Appendix A

City of Oakland
Standard Conditions of Approval (SCAs) Applicable to the EFC Derby Latitude High School Project

Appendix A: City of Oakland – Standard Conditions of Approval

The City of Oakland's Uniformly Applied Development Standards, adopted as Standard Conditions of Approval (or SCAs), were originally adopted by the City in 2008 (Ordinance No. 12899 C.M.S.) pursuant to Public Resources Code section 21083.3, and have been incrementally updated over time. The SCAs incorporate development policies and standards from various adopted plans, policies and ordinances (such as the Oakland Planning and Municipal Codes, Oakland Creek Protection, Stormwater Water Management and Discharge Control Ordinance, Oakland Tree Protection Ordinance, Oakland Grading Regulations, National Pollutant Discharge Elimination System (NPDES) permit requirements, Housing Element-related mitigation measures, Green Building Ordinance, historic/Landmark status, California Building Code, and Uniform Fire Code, among others), which have been found to substantially mitigate environmental effects.

These SCAs are incorporated into projects as conditions of approval, regardless of the determination of a project's environmental impacts. As applicable, the SCAs are adopted as requirements of an individual project when it is approved by the City, and are designed to, and will, avoid or substantially reduce a project's environmental effects.

In reviewing project applications, the City determines which SCAs apply based upon the zoning district, community plan, and the type of permits/approvals required for the project. Depending on the specific characteristics of the project type and/or project site, the City will determine which SCAs apply to a specific project. Because these SCAs are mandatory City requirements imposed on a city-wide basis, environmental analyses assume that these SCAs will be imposed and implemented by the project and are not imposed as mitigation measures under CEQA.

All SCAs identified in the CEQA Analysis—which are consistent with the measures and conditions presented in the General Plan—are included herein. To the extent that any SCA identified in the CEQA Analysis was inadvertently omitted, it is automatically incorporated herein by reference.

- The first column identifies the SCA applicable to that topic in the CEQA Analysis.
- The second column identifies the monitoring schedule or timing applicable to the project.
- The third and fourth columns names the City department or agency responsible for initial approval and monitoring the required action for the project.

The Project sponsor is responsible for compliance with any recommendations included in any identified and approved technical reports, and with all SCAs set forth herein at its sole cost and expense, unless otherwise expressly provided in a specific SCA, and subject to the review and approval of the City of Oakland. Overall monitoring and compliance with the SCAs will be the responsibility of the Planning and Zoning Division. Prior to the issuance of a demolition, grading and/or construction permit, the Project sponsor shall pay the applicable mitigation and monitoring fee to the City in accordance with the City's Master Fee Schedule.

Note that the SCAs included in this document are referred to using an abbreviation for the environmental topic area and are numbered sequentially for each topic area (e.g., **SCA Air-1**, **SCA Air-2)**.

Table A-1. City of Oakland Standard SCAs Required for the Project

Standard Conditions of Approval	When Required	Initial Approval	Monitoring/ Inspection
Aesthetics			
SCA Aesthetics-1: Trash and Blight Removal The project applicant and his/her successors shall maintain the property free of blight, as defined in chapter 8.24 of the Oakland Municipal Code. For nonresidential and multi-family residential projects, the project applicant shall install and maintain trash receptacles near public entryways as needed to provide sufficient capacity for building users.	Ongoing	N/A	Bureau of Building
SCA Aesthetics-2: Graffiti Control a. During construction and operation of the project, the project applicant shall incorporate best management practices reasonably related to the control of graffiti and/or the mitigation of the impacts of graffiti. Such best management practices may include, without limitation: i. Installation and maintenance of landscaping to discourage defacement of and/or protect likely graffiti-attracting surfaces. ii. Installation and maintenance of lighting to protect likely graffiti-attracting surfaces. iii. Use of paint with anti-graffiti coating. iv. Incorporation of architectural or design elements or features to discourage graffiti defacement in accordance with the principles of Crime Prevention Through Environmental Design (CPTED). v. Other practices approved by the City to deter, protect, or reduce the potential for graffiti defacement. b. The project applicant shall remove graffiti by appropriate means within seventy-two (72) hours. Appropriate means include: i. Removal through scrubbing, washing, sanding, and/or scraping (or similar method) without damaging the surface and without discharging wash water or cleaning detergents into the City storm drain system.	Ongoing	N/A	Bureau of Building

Standard Conditions of Approval	When Required	Initial Approval	Monitoring/ Inspection
ii. Covering with new paint to match the color of the surrounding surface. iii. Replacing with new surfacing (with City permits if required).			
SCA Aesthetics-3: Landscape Plan a. Landscape Plan Required. The project applicant shall submit a final Landscape Plan for City review and approval that is consistent with the approved Landscape Plan. The Landscape Plan shall be included with the set of drawings submitted for the construction-related permit and shall comply with the landscape requirements of chapter 17.124 of the Planning Code. Proposed plants shall be predominantly drought-tolerant. Specification of any street trees shall comply with the Master Street Tree List and Tree Planting, and with any applicable streetscape plan.	Prior to approval of construction-related permit	Bureau of Planning	N/A
b. Landscape Installation. The project applicant shall implement the approved Landscape Plan unless a bond, cash deposit, letter of credit, or equivalent instrument acceptable to the Director of City Planning, is provided. The financial instrument shall equal the greater of $2,500 or the estimated cost of implementing the Landscape Plan based on a licensed contractor's bid.	Prior to building permit final	Bureau of Planning	Bureau of Building
c. Landscape Maintenance. All required planting shall be permanently maintained in good growing condition and, whenever necessary, replaced with new plant materials to ensure continued compliance with applicable landscaping requirements. The property owner shall be responsible for maintaining planting in adjacent public rights-of-way. All required fences, walls, and irrigation systems shall be permanently maintained in good condition and, whenever necessary, repaired or replaced.	Ongoing	N/A	Bureau of Building
SCA AES-4: Lighting Proposed new exterior lighting fixtures shall be adequately shielded to a point below the light bulb and reflector to prevent unnecessary glare onto adjacent properties.	Prior to building permit final	N/A	Bureau of Building
Air Quality			
SCA Air-1: Dust Controls – Construction Related The project applicant shall implement all of the following applicable air pollution control measures during construction of the project:	During construction	N/A	Bureau of Building

Standard Conditions of Approval	When Required	Initial Approval	Monitoring/ Inspection
i. Water all exposed surfaces of active construction areas at least twice daily. Watering should be sufficient to prevent airborne dust from leaving the site. Increased watering frequency may be necessary whenever wind speeds exceed 15 miles per hour. Reclaimed water should be used whenever feasible. ii. Cover all trucks hauling soil, sand, and other loose materials or require all trucks to maintain at least two feet of freeboard (i.e., the minimum required space between the top of the load and the top of the trailer). iii. All visible mud or dirt track-out onto adjacent public roads shall be removed using wet power vacuum street sweepers at least once per day. The use of dry power sweeping is prohibited. iv. Limit vehicle speeds on unpaved roads to 15 miles per hour. v. All demolition activities (if any) shall be suspended when average wind speeds exceed 20 mph. vi. All trucks and equipment, including tires, shall be washed off prior to leaving the site. vii. Site accesses to a distance of 100 feet from the paved road shall be treated with a 6- to 12-inch compacted layer of wood chips, mulch, or gravel.			
SCA Air-2: Criteria Air Pollutant Controls – Construction Related The project applicant shall implement all of the following applicable basic control measures for criteria air pollutants during construction of the project as applicable: i. Idling times on all diesel-fueled commercial vehicles over 10,000 lbs. shall be minimized either by shutting equipment off when not in use or reducing the maximum idling time to two minutes (as required by the California airborne toxics control measure Title 13, Section 2485, of the California Code of Regulations). Clear signage to this effect shall be provided for construction workers at all access points. ii. Idling times on all diesel-fueled off-road vehicles over 25 horsepower shall be minimized either by shutting equipment off when not in use or reducing the maximum idling time to two minutes and fleet operators must develop a written policy as required by Title 23, Section 2449, of the California Code of Regulations (“California Air Resources Board Off-Road Diesel Regulations”).	During construction	N/A	Bureau of Building

Standard Conditions of Approval	When Required	Initial Approval	Monitoring/ Inspection
iii. All construction equipment shall be maintained and properly tuned in accordance with the manufacturer's specifications. All equipment shall be checked by a certified mechanic and determined to be running in proper condition prior to operation. Equipment check documentation should be kept at the construction site and be available for review by the City and the Bay Area Air Quality District as needed.			
iv. Portable equipment shall be powered by grid electricity if available. If electricity is not available, propane or natural gas generators shall be used if feasible. Diesel engines shall only be used if grid electricity is not available and propane or natural gas generators cannot meet the electrical demand.			
v. Low VOC (i.e., ROG) coatings shall be used that comply with BAAQMD Regulation 8, Rule 3: Architectural Coatings.			
vi. All equipment to be used on the construction site shall comply with the requirements of Title 13, Section 2449, of the California Code of Regulations ("California Air Resources Board Off-Road Diesel Regulations") and upon request by the City (and the Air District if specifically requested), the project applicant shall provide written documentation that fleet requirements have been met.			
SCA Air-3, Diesel Particulate Matter Controls-Construction Related	Prior to issuance of a construction related permit, during construction	Bureau of Planning	Bureau of Building
a) Diesel Particulate Matter Reduction Measures: The project applicant shall implement appropriate measures during construction to reduce potential health risks to sensitive receptors due to exposure to diesel particulate matter (DPM) from construction emissions. The project applicant shall choose one of the following methods:			
i. The project applicant shall retain a qualified air quality consultant to prepare a Health Risk Assessment (HRA) in accordance with current guidance from the California Air Resources Board (CARB) and Office of Environmental Health and Hazard Assessment to determine the health risk to sensitive receptors exposed to DPM from project construction emissions. The HRA shall be submitted to the City (and the Air District if specifically requested) for review and approval. If the HRA concludes that the health risk is at or below acceptable levels, then DPM reduction measures are not required. If the HRA concludes that the health risk exceeds acceptable levels, DPM reduction measures shall be identified to reduce the health risk to acceptable levels as set forth under subsection b below. Identified DPM reduction measures shall be submitted to			

Standard Conditions of Approval	When Required	Initial Approval	Monitoring/ Inspection
the City for review and approval prior to the issuance of building permits and the approved DPM reduction measures shall be implemented during construction. Or – ii. All off-road diesel equipment shall be equipped with the most effective Verified Diesel Emission Control Strategies (VDECS) available for the engine type (Tier 4 engines automatically meet this requirement) as certified by CARB. The equipment shall be properly maintained and tuned in accordance with manufacturer specifications. This shall be verified through an equipment inventory submittal and Certification Statement that the Contractor agrees to compliance and acknowledges that a significant violation of this requirement shall constitute a material breach of contract.			
b) Construction Emissions Minimization Plan (if required by a) above): The project applicant shall prepare a Construction Emissions Minimization Plan (Emissions Plan) for all identified DPM reduction measures (if any). The Emissions Plan shall be submitted to the City (and the Bay Area Air Quality District if specifically requested) for review and approval prior to the issuance of building permits. The Emissions Plan shall include the following: i. An equipment inventory summarizing the type of off-road equipment required for each phase of construction, including the equipment manufacturer, equipment identification number, engine model year, engine certification (tier rating), horsepower, and engine serial number. For all VDECS, the equipment inventory shall also include the technology type, serial number, make, model, manufacturer, CARB verification number level, and installation date. ii. A Certification Statement that the Contractor agrees to comply fully with the Emissions Plan and acknowledges that a significant violation of the Emissions Plan shall constitute a material breach of contract	Prior to issuance of a construction related permit	Bureau of Planning	Bureau of Building
SCA Air-4: Asbestos in Structures The project applicant shall comply with all applicable laws and regulations regarding demolition and renovation of Asbestos Containing Materials (ACM), including but not limited to California Code of Regulations, Title 8; California Business and Professions Code, Division 3; California Health and Safety Code sections 25915-25919.7; and Bay Area Air Quality	Prior to approval of construction-related permit	Applicable regulatory agency with jurisdiction	Applicable regulatory agency with jurisdiction

Standard Conditions of Approval	When Required	Initial Approval	Monitoring/ Inspection
Management District, Regulation 11, Rule 2, as may be amended. Evidence of compliance shall be submitted to the City upon request.			
SCA Air-5, Exposure to Air Pollution - Toxic Air Contaminants, Health Risk Reduction Measures The project applicant shall incorporate appropriate measures into the project design in order to reduce the potential health risk due to exposure to toxic air contaminants. The project applicant shall choose one of the following methods: a) The project applicant shall retain a qualified air quality consultant to prepare a Health Risk Assessment (HRA) in accordance with California Air Resources Board (CARB) and Office of Environmental Health and Hazard Assessment requirements to determine the health risk of exposure of project residents/occupants/users to air pollutants. The HRA shall be submitted to the City for review and approval. If the HRA concludes that the health risk is at or below acceptable levels, then health risk reduction measures are not required. If the HRA concludes that the health risk exceeds acceptable levels, health risk reduction measures shall be identified to reduce the health risk to acceptable levels. Identified risk reduction measures shall be submitted to the City for review and approval and be included on the project drawings submitted for the construction-related permit or on other documentation submitted to the City. The approved risk reduction measures shall be implemented during construction and/or operations as applicable Or - b) The project applicant shall incorporate the following health risk reduction measures into the project. These features shall be submitted to the City for review and approval and be included on the project drawings submitted for the construction-related permit or on other documentation submitted to the City: i. Installation of air filtration to reduce cancer risks and Particulate Matter (PM) exposure for residents and other sensitive populations in the project that are in close proximity to sources of air pollution. Air filter devices shall be rated MERV-13 or higher. As part of implementing this measure, an ongoing maintenance plan for the building's HVAC air filtration system shall be required. ii. Where appropriate, install passive electrostatic filtering systems, especially those with low air velocities (i.e., 1 mph).	Prior to approval of construction-related permit	Bureau of Planning	Bureau of Building

Standard Conditions of Approval	When Required	Initial Approval	Monitoring/ Inspection
iii. Phasing of residential developments when proposed within 500 feet of freeways such that homes nearest the freeway are built last, if feasible.			
iv. The project shall be designed to locate sensitive receptors as far away as feasible from the source(s) of air pollution. Operable windows, balconies, and building air intakes shall be located as far away from these sources as feasible. If near a distribution center, residents shall be located as far away as feasible from a loading dock or where trucks concentrate to deliver goods.			
v. Sensitive receptors shall be located on the upper floors of buildings, if feasible.			
vi. Planting trees and/or vegetation between sensitive receptors and pollution source, if feasible. Trees that are best suited to trapping PM shall be planted, including one or more of the following: Pine (Pinus nigra var. maritima), Cypress (X Cupressocyparis leylandii), Hybrid poplar (Populus deltoids X trichocarpa), and Redwood (Sequoia sempervirens).			
vii. Sensitive receptors shall be located as far away from truck activity areas, such as loading docks and delivery areas, as feasible.			
viii. Existing and new diesel generators shall meet CARB's Tier 4 emission standards, if feasible.			
ix. Emissions from diesel trucks shall be reduced through implementing the following measures, if feasible: installing electrical hook-ups for diesel trucks at loading docks; requiring trucks to use Transportation Refrigeration Units (TRU) that meet Tier 4 emission standards; requiring truck-intensive projects to use advanced exhaust technology (e.g., hybrid) or alternative fuels; prohibiting trucks from idling for more than two minutes; or establishing truck routes to avoid sensitive receptors in the project. A truck route program, along with truck calming, parking, and delivery restrictions, shall be implemented.			
c) Maintenance of Health Risk Reduction Measures: The project applicant shall maintain, repair, and/or replace any installed health risk reduction measures, including but not limited to the HVAC system (if applicable), on an ongoing and as-needed basis. Prior to occupancy, the project applicant shall prepare and then distribute to the building manager/operator an operation and maintenance manual for the HVAC system and filter including the maintenance and replacement schedule for the filter.	Ongoing	N/A	Bureau of Building

Standard Conditions of Approval	When Required	Initial Approval	Monitoring/ Inspection
Cultural Resources			
SCA Cultural-1: Archaeological and Paleontological Resources – Discovery During Construction Pursuant to CEQA Guidelines section 15064.5(f), in the event that any historic or prehistoric subsurface cultural resources are discovered during ground disturbing activities, all work within 50 feet of the resources shall be halted and the project applicant shall notify the City and consult with a qualified archaeologist or paleontologist, as applicable, to assess the significance of the find. i. In the case of discovery of paleontological resources, the assessment shall be done in accordance with the Society of Vertebrate Paleontology standards. If any find is determined to be significant, appropriate avoidance measures recommended by the consultant and approved by the City must be followed unless avoidance is determined unnecessary or infeasible by the City. Feasibility of avoidance shall be determined with consideration of factors such as the nature of the find, project design, costs, and other considerations. If avoidance is unnecessary or infeasible, other appropriate measures (e.g., data recovery, excavation) shall be instituted. Work may proceed on other parts of the project site while measures for the cultural resources are implemented. ii. In the event of data recovery of archaeological resources, the project applicant shall submit an Archaeological Research Design and Treatment Plan (ARDTP) prepared by a qualified archaeologist for review and approval by the City. The ARDTP is required to identify how the proposed data recovery program would preserve the significant information the archaeological resource is expected to contain. The ARDTP shall identify the scientific/historic research questions applicable to the expected resource, the data classes the resource is expected to possess, and how the expected data classes would address the applicable research questions. The ARDTP shall include the analysis and specify the curation and storage methods. Data recovery, in general, shall be limited to the portions of the archaeological resource that could be impacted by the proposed project. Destructive data recovery methods shall not be applied to portions of the archaeological resources if nondestructive methods are practicable. Because the intent of the ARDTP is to save as much of the archaeological resource as possible, including moving the resource, if feasible, preparation and implementation of the ARDTP would reduce the potential adverse impact to less than significant. The project applicant shall implement the ARDTP at his/her expense.	During construction	N/A	Bureau of Building

Standard Conditions of Approval	When Required	Initial Approval	Monitoring/ Inspection
iii. In the event of excavation of paleontological resources, the project applicant shall submit an excavation plan prepared by a qualified paleontologist to the City for review and approval. iv. All significant cultural materials recovered shall be subject to scientific analysis, professional museum curation, and/or a report prepared by a qualified paleontologist, as appropriate, according to current professional standards and at the expense of the project applicant.			
SCA Cultural-2: Human Remains – Discovery during Construction Pursuant to CEQA Guidelines section 15064.5(e)(1), in the event that human skeletal remains are uncovered at the project site during construction activities, all work shall halt immediately, and the project applicant shall notify the City and the Alameda County Coroner. i. If the County Coroner determines that an investigation of the cause of death is required or that the remains are Native American, all work shall cease within 50 feet of the remains until appropriate arrangements are made. ii. In the event that the remains are Native American, the City shall contact the California Native American Heritage Commission (NAHC), pursuant to subdivision (c) of section 7050.5 of the California Health and Safety Code. If the agencies determine that avoidance is not feasible, then an alternative plan shall be prepared with specific steps and timeframe required to resume construction activities. Monitoring, data recovery, determination of significance, and avoidance measures (if applicable) shall be completed expeditiously and at the expense of the project applicant.	During Construction	N/A	Bureau of Building
Energy			
SCA Energy-1, Green Building Requirements (Phase 1) a) Compliance with Green Building Requirements during Plan-Check: The project applicant shall comply with the requirements of the California Green Building Standards (CALGreen) mandatory measures and the applicable requirements of the City of Oakland Green Building Ordinance (chapter 18.02 of the Oakland Municipal Code). i. The following information shall be submitted to the City for review and approval with the application for a building permit:	Prior to approval of construction-related permit	Bureau of Building	N/A

Standard Conditions of Approval	When Required	Initial Approval	Monitoring/ Inspection
• Documentation showing compliance with Title 24 of the current version of the California Building Energy Efficiency Standards. • Completed copy of the final green building checklist approved during the review of the Planning and Zoning permit. • Copy of the Unreasonable Hardship Exemption, if granted, during the review of the Planning and Zoning permit. • Permit plans that show, in general notes, detailed design drawings, and specifications as necessary, compliance with the items listed in subsection (ii) below. • Copy of the signed statement by the Green Building Certifier approved during the review of the Planning and Zoning permit that the project complied with the requirements of the Green Building Ordinance. • Signed statement by the Green Building Certifier that the project still complies with the requirements of the Green Building Ordinance, unless an Unreasonable Hardship Exemption was granted during the review of the Planning and Zoning permit. • Other documentation as deemed necessary by the City to demonstrate compliance with the Green Building Ordinance. ii. The set of plans in subsection (i) shall demonstrate compliance with the following: • CALGreen mandatory measures. • Green building point level/certification requirement (the point level certification requirement is LEED Silver for non-residential) per the appropriate checklist approved during the Planning entitlement process. • All green building points identified on the checklist approved during review of the Planning and Zoning permit, unless a Request for Revision Plan-check application is submitted and approved by the			

Standard Conditions of Approval	When Required	Initial Approval	Monitoring/ Inspection
Bureau of Planning that shows the previously approved points that will be eliminated or substituted. • The required green building point minimums in the appropriate credit categories.			
b) Compliance with Green Building Requirements during Construction Requirement: The project applicant shall comply with the applicable requirements of CALGreen and the Oakland Green Building Ordinance during construction of the project. The following information shall be submitted to the City for review and approval: i. Completed copies of the green building checklists approved during the review of the Planning and Zoning permit and during the review of the building permit. ii. Signed statement(s) by the Green Building Certifier during all relevant phases of construction that the project complies with the requirements of the Green Building Ordinance. iii. Other documentation as deemed necessary by the City to demonstrate compliance with the Green Building Ordinance.	During construction	N/A	Bureau of Building
c) Compliance with Green Building Requirements after Construction Requirement: Prior to finalizing the Building Permit, the Green Building Certifier shall submit the appropriate documentation to City staff and attain the minimum required point level.	Prior to Final Approval	Bureau of Planning	Bureau of Building
SCA Energy-2, Green Building Requirements – Small Projects (Phase 2) a) Compliance with Green Building Requirements during Plan-Check: The project applicant shall comply with the requirements of the California Green Building Standards (CALGreen) mandatory measures and the applicable requirements of the City of Oakland Green Building Ordinance (chapter 18.02 of the Oakland Municipal Code) for projects using the StopWaste.Org Small Commercial Checklist or Bay Friendly Basic Landscape Checklist. i. The following information shall be submitted to the City for review and approval with application for a building permit: • Documentation showing compliance with Title 24 of the current version of the California Building Energy Efficiency Standards.	Prior to approval of construction-related permit	Bureau of Building	N/A

Standard Conditions of Approval	When Required	Initial Approval	Monitoring/ Inspection
• Completed copy of the green building checklist approved during the review of a Planning and Zoning permit. Permit plans that show in general notes, detailed design drawings and specifications as necessary compliance with the items listed in subsection (b) below. • Other documentation to prove compliance. ii. The set of plans in subsection (a) shall demonstrate compliance with the following: • CALGreen mandatory measures. • All applicable green building measures identified on the checklist approved during the review of a Planning and Zoning permit, or submittal of a Request for Revision Plan-check application that shows the previously approved points that will be eliminated or substituted.			
b) Compliance with Green Building Requirements during Construction: The project applicant shall comply with the applicable requirements of CALGreen and the Green Building Ordinance during construction. The following information shall be submitted to the City for review and approval: i. Completed copy of the green building checklists approved during review of the Planning and Zoning permit and during the review of the Building permit. ii. Other documentation as deemed necessary by the City to demonstrate compliance with the Green Building Ordinance.	During construction	N/A	Bureau of Building
Geology and Soils			
SCA Geology-1: Construction-Related Permits The project applicant shall obtain all required construction-related permits/approvals from the City. The project shall comply with all standards, requirements and conditions contained in construction-related codes, including but not limited to the Oakland Building Code and the Oakland Grading Regulations, to ensure structural integrity and safe construction.	Prior to approval of construction-related permit	Bureau of Building	Bureau of Building
SCA Geology -2: Seismic Hazards Zone (Landslide/Liquefaction) The project applicant shall submit a site-specific geotechnical report, consistent with California Geological Survey Special Publication 117 (as amended), prepared by a registered geotechnical	Prior to approval of construction-related permit	Bureau of Building	Bureau of Building

Standard Conditions of Approval	When Required	Initial Approval	Monitoring/ Inspection
engineer for City review and approval containing at a minimum a description of the geological and geotechnical conditions at the site, an evaluation of site-specific seismic hazards based on geological and geotechnical conditions, and recommended measures to reduce potential impacts related to liquefaction and/or slope stability hazards. The project applicant shall implement the recommendations contained in the approved report during project design and construction. To further implement this Condition the following site-specific recommendations from the geological report will be implemented during Phase 1. *Geotechnical Recommendations-2.1: Seismic Upgrade* a. At Building A-1: adding plywood sheathing, increasing the plywood nailing, attaching anchors, and installing hold-downs at the end of each plywood shear wall b. At Building A-3: adding plywood sheathing and hold-down posts, adding beams along the roof wall, increasing nail spacing, adding straps, adding mudsill anchor bolts, and installing adequate top-of-wall connections, and c. At Building B: installing hold-downs at the ends of each shear wall and strapping the double top-plate splices along the longitudinal plywood shear walls			
SCA Hydrology-1, Erosion and Sedimentation Control Plan for Construction (see Hydrology, below)			
GHG Emissions and Climate Change			
SCA GHG-1: Project Compliance with the Equitable Climate Action Plan (ECAP) Consistency Checklist The project applicant shall implement all the measures in the Equitable Climate Action Plan (ECAP) Consistency Checklist that was submitted during the Planning entitlement phase. a. For physical ECAP Consistency Checklist measures to be incorporated into the design of the project, the measures shall be included on the drawings submitted for construction-related permits.	Prior to approval of construction-related permit	Bureau of Planning	Bureau of Planning
b. For physical ECAP Consistency Checklist measures to be incorporated into the design of the project, the measures shall be implemented during construction.	During construction	Bureau of Planning	Bureau of Building

Standard Conditions of Approval	When Required	Initial Approval	Monitoring/ Inspection
c. For ECAP Consistency Checklist measures that operational including but not limited to the requirement for transit passes or additional Transportation Demand Management measures, the applicant shall provide notice of these measures to employees and/or residents and post these requirements in a public place such as a lobby or work area accessible to the employees and/or residents.	Ongoing	N/A	Bureau of Planning
Hazards and Hazardous Materials			
SCA Hazards-1: Regulatory Permits and Authorizations from Other Agencies The project applicant shall obtain all necessary regulatory permits and authorizations from applicable resource/regulatory agencies including, but not limited to, the Regional Water Quality Control Board, Bay Area Air Quality Management District, Bay Conservation and Development Commission, California Department of Fish and Wildlife, U. S. Fish and Wildlife Service, and Army Corps of Engineers and shall comply with all requirements and conditions of the permits/authorizations. The project applicant shall submit evidence of the approved permits/authorizations to the City, along with evidence demonstrating compliance with any regulatory permit/authorization conditions of approval.	Prior to activity requiring permit/ authorization from regulatory agency	Approval by applicable regulatory agency with jurisdiction; evidence of approval submitted to Bureau of Planning	Applicable regulatory agency with jurisdiction
SCA Hazards-2: Hazardous Building Materials and Site Contamination a. Hazardous Building Materials Assessment. The project applicant shall submit a comprehensive assessment report to the Bureau of Building, signed by a qualified environmental professional, documenting the presence or lack thereof of asbestos-containing materials (ACMs), lead-based paint, polychlorinated biphenyls (PCBs), and any other building materials or stored materials classified as hazardous materials by State or federal law. If lead-based paint, ACMs, PCBs, or any other building materials or stored materials classified as hazardous materials are present, the project applicant shall submit specifications prepared and signed by a qualified environmental professional, for the stabilization and/or removal of the identified hazardous materials in accordance with all applicable laws and regulations. The project applicant shall implement the approved recommendations and submit to the City evidence of approval for any proposed remedial action and required clearances by the applicable local, state, or federal regulatory agency.	Prior to approval of demolition, grading, or building permits	Bureau of Building	Bureau of Building /ACDEH

Standard Conditions of Approval	When Required	Initial Approval	Monitoring/ Inspection
b. Environmental Site Assessment Required. The project applicant shall submit a Phase I Environmental Site Assessment report, and Phase II Environmental Site Assessment report if warranted by the Phase I report, for the project site for review and approval by the City. The report(s) shall be prepared by a qualified environmental assessment professional and include recommendations for remedial action, as appropriate, for hazardous materials. The project applicant shall implement the approved recommendations and submit to the City evidence of approval for any proposed remedial action and required clearances by the applicable local, state, or federal regulatory agency.	Prior to approval of construction-related permit	Applicable regulatory agency with jurisdiction	Applicable regulatory agency with jurisdiction
c. Health and Safety Plan Required. The project applicant shall submit a Health and Safety Plan for the review and approval by the City in order to protect project construction workers from risks associated with hazardous materials. The project applicant shall implement the approved Plan.	Prior to approval of construction-related permit	Bureau of Building	Bureau of Building and ACDEH
d. Best Management Practices (BMPs) Required for Contaminated Sites. The project applicant shall ensure that Best Management Practices (BMPs) are implemented by the contractor during construction to minimize potential soil and groundwater hazards. These shall include the following: i. Soil generated by construction activities shall be stockpiled on-site in a secure and safe manner. All contaminated soils determined to be hazardous or non-hazardous waste must be adequately profiled (sampled) prior to acceptable reuse or disposal at an appropriate off-site facility. Specific sampling and handling and transport procedures for reuse or disposal shall be in accordance with applicable local, state, and federal requirements. ii. Groundwater pumped from the subsurface shall be contained on-site in a secure and safe manner, prior to treatment and disposal, to ensure environmental and health issues are resolved pursuant to applicable laws and policies. Engineering controls shall be utilized~~, which include impermeable barriers to prohibit groundwater and vapor intrusion into the building~~. Note: ACDEH has determined that impermeable barriers for contaminated groundwater is not required for Phase 1.	During construction	N/A	Bureau of Building /ACDEH

Standard Conditions of Approval	When Required	Initial Approval	Monitoring/ Inspection
To further implement SCA Hazards-1 (Part a), the following site-specific recommendations from the pre-renovation hazardous materials survey (see **Appendix K**) will be implemented during Phase 1. *Recommendations Hazards 2-1: Lead-Based Paint Procedures.* The following requirements and procedures shall be followed when dealing with lead-based or lead-containing materials at the site: a) Any construction employee that works around potential lead-based or lead-containing coatings must have HAZCOM training, and personal exposure air monitoring is required for employees that disturb such coatings. Additional certification, notification and work practices are required for materials found to be lead-based. b) All activities involving potential and identified lead-containing surfaces should be conducted in accordance with California Health & Safety Code sections 17920.10 and 10525, 10525.7, and 8, CCR 1532.1. c) Any welding, cutting or heating of metal surfaces containing surface coatings should be conducted in accordance with 29 CFR 1926.354 and 8 CCR 1537. These regulations require surfaces covered with toxic preservatives, and in enclosed areas, be stripped of all toxic coatings for a distance of at least 4 inches, in all directions, from the area of heat application prior to the initiation of such heat application. d) Waste stream segregation and analysis is required in accordance with 22 CCR Division 4.5, Minimum Standards for Management of Hazardous and Extremely Hazardous Wastes for all paint or coating debris regardless of if the paint or coating is intact. The resulting wastes may be hazardous under California and federal RCRA standards for lead, and therefore require proper handling, packaging, labeling, and transportation under a proper manifest to a permitted hazardous waste storage, treatment and disposal facility.			
SCA Hazards-3: Hazardous Materials Related to Construction The project applicant shall ensure that Best Management Practices (BMPs) are implemented by the contractor during construction to minimize potential negative effects on groundwater, soils, and human health. These shall include, at a minimum, the following:	During construction	N/A	Bureau of Building

Standard Conditions of Approval	When Required	Initial Approval	Monitoring/ Inspection
i. Follow manufacture's recommendations for use, storage, and disposal of chemical products used in construction; ii. Avoid overtopping construction equipment fuel gas tanks; iii. During routine maintenance of construction equipment, properly contain and remove grease and oils; iv. Properly dispose of discarded containers of fuels and other chemicals; v. Implement lead-safe work practices and comply with all local, regional, state, and federal requirements concerning lead (for more information refer to the Alameda County Lead Poisoning Prevention Program); and vi. If soil, groundwater, or other environmental medium with suspected contamination is encountered unexpectedly during construction activities (e.g., identified by odor or visual staining, or if any underground storage tanks, abandoned drums or other hazardous materials or wastes are encountered), the project applicant shall cease work in the vicinity of the suspect material, the area shall be secured as necessary, and the applicant shall take all appropriate measures to protect human health and the environment. Appropriate measures shall include notifying the City and applicable regulatory agency(ies) and implementation of the actions described in the City's Standard Conditions of Approval, as necessary, to identify the nature and extent of contamination. Work shall not resume in the area(s) affected until the measures have been implemented under the oversight of the City or regulatory agency, as appropriate.			
SCA Air-4: Asbestos in Structures (see Air Quality, above)			
Hydrology and Water Quality			
SCA Hydrology-1: Erosion and Sedimentation Control Measures for Construction a. Erosion and Sedimentation Control Plan Required: The project applicant shall submit an Erosion and Sedimentation Control Plan to the City for review and approval. The Erosion and Sedimentation Control Plan shall include all necessary measures to be taken to prevent excessive stormwater runoff or carrying by stormwater runoff of solid materials on to lands of adjacent property owners, public streets, or to creeks as a result of conditions created by	Prior to approval of construction-related permit	Bureau of Building	N/A

Standard Conditions of Approval	When Required	Initial Approval	Monitoring/ Inspection
grading and/or construction operations. The Plan shall include, but not be limited to, such measures as short-term erosion control planting, waterproof slope covering, check dams, interceptor ditches, benches, storm drains, dissipation structures, diversion dikes, retarding berms and barriers, devices to trap, store and filter out sediment, and stormwater retention basins. Off-site work by the project applicant may be necessary. The project applicant shall obtain permission or easements necessary for off-site work. There shall be a clear notation that the plan is subject to changes as changing conditions occur. Calculations of anticipated stormwater runoff and sediment volumes shall be included, if required by the City. The Plan shall specify that, after construction is complete, the project applicant shall ensure that the storm drain system shall be inspected and that the project applicant shall clear the system of any debris or sediment.			
b. Erosion and Sedimentation Control during Construction: The project applicant shall implement the approved Erosion and Sedimentation Control Plan. No grading shall occur during the wet weather season (October 15 through April 15) unless specifically authorized in writing by the Bureau of Building.	During construction	N/A	Bureau of Building
SCA Hydrology-2, State Construction General Permit The project applicant shall comply with the requirements of the Construction General Permit issued by the State Water Resources Control Board (SWRCB). The project applicant shall submit a Notice of Intent (NOI), Stormwater Pollution Prevention Plan (SWPPP), and other required Permit Registration Documents to SWRCB. The project applicant shall submit evidence of compliance with Permit requirements to the City.	Prior to approval of construction-related permit	State Water Resources Control Board; evidence of compliance submitted to Bureau of Building	State Water Resources Control Board
SCA Hydrology-3: NPDES C.3 Stormwater Requirements for Regulated Projects a. Post-Construction Stormwater Management Plan Required. The project applicant shall comply with the requirements of Provision C.3 of the Municipal Regional Stormwater Permit issued under the National Pollutant Discharge Elimination System (NPDES). The project applicant shall submit a Post-Construction Stormwater Management Plan to the City for review and approval with the project drawings submitted for site improvements, and shall implement the approved Plan during construction. The Post-Construction Stormwater Management Plan shall include and identify the following:	Prior to approval of construction-related permit	Bureau of Planning; Bureau of Building	Bureau of Building

Standard Conditions of Approval	When Required	Initial Approval	Monitoring/ Inspection
i. Location and size of new and replaced impervious surface; ii. Directional surface flow of stormwater runoff; iii. Location of proposed on-site storm drain lines; iv. Site design measures to reduce the amount of impervious surface area; v. Source control measures to limit stormwater pollution; vi. Stormwater treatment measures to remove pollutants from stormwater runoff, including the method used to hydraulically size the treatment measures; and vii. Hydromodification management measures, if required by Provision C.3, so that post-project stormwater runoff flow and duration match pre-project runoff.			
b. Maintenance Agreement Required. The project applicant shall enter into a maintenance agreement with the City, based on the Standard City of Oakland Stormwater Treatment Measures Maintenance Agreement, in accordance with Provision C.3, which provides, in part, for the following: i. The project applicant accepting responsibility for the adequate installation/construction, operation, maintenance, inspection, and reporting of any on-site stormwater treatment measures being incorporated into the project until the responsibility is legally transferred to another entity; and ii. Legal access to the on-site stormwater treatment measures for representatives of the City, the local vector control district, and staff of the Regional Water Quality Control Board, San Francisco Region, for the purpose of verifying the implementation, operation, and maintenance of the on-site stormwater treatment measures and to take corrective action if necessary. The maintenance agreement shall be recorded at the County Recorder's Office at the applicant's expense.	Prior to building permit final	Bureau of Building	Bureau of Building
Land Use			
Recommendation Land Use 1.1 : Notification to Potential Parents Regarding Zoning and Land Uses Given the "normally unacceptable" to "clearly unacceptable noise environment at the Project site and the lack of noise attenuation options as well as the industrial zoning of the site, the	Prior to building permit final	Bureau of Planning	Bureau of Planning

Standard Conditions of Approval	When Required	Initial Approval	Monitoring/ Inspection
school shall include, as part of their welcome packet, an acknowledgement 1) that they are aware of and accept the possible noise levels related to non-curriculum outdoor recreational use due to the BART and UPRR corridors and 2) that industrial activities in the surrounding area are allowed by right per the M-30 Zone which could result in future noise or air quality issues on students from these uses.			
Noise			
SCA Noise-1: Construction Days/Hours a. The project applicant shall comply with the following restrictions concerning construction days and hours: i. Construction activities are limited to between 7:00 a.m. and 7:00 p.m. Monday through Friday, except that pier drilling and/or other extreme noise generating activities greater than 90 dBA shall be limited to between 8:00 a.m. and 4:00 p.m. ii. Construction activities are limited to between 9:00 a.m. and 5:00 p.m. on Saturday. In residential zones and within 300 feet of a residential zone, construction activities are allowed from 9:00 a.m. to 5:00 p.m. only within the interior of the building with the doors and windows closed. No pier drilling or other extreme noise generating activities greater than 90 dBA are allowed on Saturday. iii. No construction is allowed on Sunday or federal holidays. b. Construction activities include, but are not limited to, truck idling, moving equipment (including trucks, elevators, etc.) or materials, deliveries, and construction meetings held on-site in a non-enclosed area. c. Any construction activity proposed outside of the above days and hours for special activities (such as concrete pouring which may require more continuous amounts of time) shall be evaluated on a case-by-case basis by the City, with criteria including the urgency/emergency nature of the work, the proximity of residential or other sensitive uses, and a consideration of nearby residents'/occupants' preferences. The project applicant shall notify property owners and occupants located within 300 feet at least 14 calendar days prior to construction activity proposed outside of the above days/hours. When submitting a request to the City to allow construction activity outside of the above days/hours, the project applicant shall submit information concerning the type and	During Construction	N/A	Bureau of Building

Standard Conditions of Approval	When Required	Initial Approval	Monitoring/ Inspection
duration of proposed construction activity and the draft public notice for City review and approval prior to distribution of the public notice.			
SCA Noise-2: Construction Noise The project applicant shall implement noise reduction measures to reduce noise impacts due to construction. Noise reduction measures include, but are not limited to, the following: a. Equipment and trucks used for project construction shall utilize the best available noise control techniques (e.g., improved mufflers, equipment redesign, use of intake silencers, ducts, engine enclosures and acoustically-attenuating shields or shrouds) wherever feasible. b. Except as provided herein, impact tools (e.g., jack hammers, pavement breakers, and rock drills) used for project construction shall be hydraulically or electrically powered to avoid noise associated with compressed air exhaust from pneumatically powered tools. However, where use of pneumatic tools is unavoidable, an exhaust muffler on the compressed air exhaust shall be used; this muffler can lower noise levels from the exhaust by up to about 10 dBA. External jackets on the tools themselves shall be used, if such jackets are commercially available, and this could achieve a reduction of 5 dBA. Quieter procedures shall be used, such as drills rather than impact equipment, whenever such procedures are available and consistent with construction procedures. c. Applicant shall use temporary power poles instead of generators where feasible. d. Stationary noise sources shall be located as far from adjacent properties as possible, and they shall be muffled and enclosed within temporary sheds, incorporate insulation barriers, or use other measures as determined by the City to provide equivalent noise reduction. e. The noisiest phases of construction shall be limited to less than 10 days at a time. Exceptions may be allowed if the City determines an extension is necessary and all available noise reduction controls are implemented.	During Construction	N/A	Bureau of Building
SCA Noise-3: Extreme Construction Noise a. Construction Noise Management Plan Required. Prior to any extreme noise generating construction activities (e.g., pier drilling, pile driving and other activities generating greater than 90 dBA), the project applicant shall submit a Construction Noise Management Plan prepared by a qualified acoustical consultant for City review and approval that contains a	Prior to Approval	Bureau of Building	Bureau of Building

Standard Conditions of Approval	When Required	Initial Approval	Monitoring/ Inspection
set of site-specific noise attenuation measures to further reduce construction impacts associated with extreme noise generating activities. The project applicant shall implement the approved Plan during construction. Potential attenuation measures include, but are not limited to, the following: i. Erect temporary plywood noise barriers around the construction site, particularly along on sites adjacent to residential buildings; ii. Implement "quiet" pile driving technology (such as pre-drilling of piles, the use of more than one pile driver to shorten the total pile driving duration), where feasible, in consideration of geotechnical and structural requirements and conditions; iii. Utilize noise control blankets on the building structure as the building is erected to reduce noise emission from the site; iv. Evaluate the feasibility of noise control at the receivers by temporarily improving the noise reduction capability of adjacent buildings by the use of sound blankets for example and implement such measure if such measures are feasible and would noticeably reduce noise impacts; and v. Monitor the effectiveness of noise attenuation measures by taking noise measurements.			
b. Public Notification Required. The project applicant shall notify property owners and occupants located within 300 feet of the construction activities at least 14 calendar days prior to commencing extreme noise generating activities. Prior to providing the notice, the project applicant shall submit to the City for review and approval the proposed type and duration of extreme noise generating activities and the proposed public notice. The public notice shall provide the estimated start and end dates of the extreme noise generating activities and describe noise attenuation measures to be implemented.	During construction	Bureau of Building	Bureau of Building
SCA Noise-4, Vibration Impacts on Adjacent Structures or Vibration-Sensitive Activities The project applicant shall submit a Vibration Analysis prepared by an acoustical and/or structural engineer or other appropriate qualified professional for City review and approval that establishes pre-construction baseline conditions and threshold levels of vibration that could damage the structure and/or substantially interfere with activities located adjacent to the Project site. The Vibration Analysis shall identify design means and methods of	Prior to Construction	Bureau of Building	Bureau of Building

Standard Conditions of Approval	When Required	Initial Approval	Monitoring/ Inspection
construction that shall be utilized in order to not exceed the thresholds. The applicant shall implement the recommendations during construction. To further implement SCA Noise-4, the following site-specific recommendations from the Noise and Vibration Study will be implemented. *Recommendation Noise-4.1, Vibration Reduction* The following construction methods are recommended to reduce vibration levels due to the Project's construction activities to less than 0.3 in/sec PPV threshold at nearby buildings: i. Prohibit the use of heavy vibration-generating construction equipment within 20 feet of adjacent commercial buildings. ii.) Use a smaller vibratory roller, such as the Caterpillar model CP433E vibratory compactor, when compacting materials within 20 feet of adjacent commercial buildings. Only use the static compaction mode when within 10 feet of the adjacent commercial buildings. iii. Avoid dropping heavy equipment and use alternative methods for breaking up existing pavement, such as a pavement grinder, instead of dropping heavy objects, within 20 feet of adjacent commercial buildings. iv. Designate a person responsible for registering and investigating claims of excessive vibration. The contact information of such person shall be clearly posted on the construction site.			
SCA Noise-5: Operational Noise Noise levels from the project site after completion of the project (i.e., during project operation) shall comply with the performance standards of chapter 17.120 of the Oakland Planning Code and chapter 8.18 of the Oakland Municipal Code. If noise levels exceed these standards, the activity causing the noise shall be abated until appropriate noise reduction measures have been installed and compliance verified by the City.	Ongoing	N/A	Bureau of Building
SCA Noise-6, Exposure to Community Noise The project applicant shall submit a Noise Reduction Plan prepared by a qualified acoustical engineer for City review and approval that contains noise reduction measures (e.g., sound-rated window, wall, and door assemblies) to achieve an acceptable interior noise level in	Prior to approval of construction-related permit	Bureau of Planning	Bureau of Building

Standard Conditions of Approval	When Required	Initial Approval	Monitoring/ Inspection
accordance with the land use compatibility guidelines of the Noise Element of the Oakland General Plan. The applicant shall implement the approved Plan during construction. To the maximum extent practicable, interior noise levels shall not exceed the following: i. 45 dBA: Residential activities, civic activities (i.e., schools), hotels ii. 50 dBA: Administrative offices; group assembly activities iii. 55 dBA: Commercial activities iv. 65 dBA: Industrial activities To further implement SCA Noise-6, the following site-specific recommendations from the Preliminary Noise and Land Use Compatibility Assessment (see Appendix M) will be implemented to address the non-CEQA topic related to noise exposure. *Recommendation Noise-6.1: Noise Reduction Plan* Pursuant to SCA Noise-6, the Project applicant shall retain a qualified acoustical engineer to prepare a Noise Reduction Plan for each of the existing buildings on the Derby property that the school intends to use for school-related purposes. The requirement of the Noise Reduction Plan will be to identify those reasonable and feasible measures that can be incorporated into the existing building, as necessary to achieve an interior daily average noise level of 45 dBA Ldn. The acoustic consultant that prepared the Preliminary Noise and Land Use Compatibility Assessment has indicated that achieving the standard of 45 dBA Ldn is reasonable and feasible, but requires a detailed analysis of each building, with building-specific recommendation based on the performance of each of the buildings' components (i.e., windows, doors, walls, rooflines, etc.) a. The Noise Reduction Plan will be submitted with the building permit plans for the conversion of the industrial building to a school confirming the buildings can achieve an interior sound level of 45 dBA. b. A third-party peer review, paid for by the applicant, shall assist the City in evaluating the feasibility and effectiveness of the noise reduction plan submitted by the applicant. *Recommendation Noise-6.2: Limited Outdoor Uses* Given the "normally unacceptable" to "clearly unacceptable noise environment at the Project site and the lack of noise attenuation options, outdoor school uses should be limited to non-curriculum only. Without effective noise attenuation, no outdoor eating spaces, learning or			

Standard Conditions of Approval	When Required	Initial Approval	Monitoring/ Inspection
curriculum-based operations shall be permitted on the Project Site. In addition, the School shall not construct any structures on site that could be used for outdoor gathering areas including but not limited to large awnings/canopies and shade structures. All building permit plans shall be revised to remove exterior serving (servery) windows to the outside. Student use of the 29th Avenue property, where outdoor uses are considered normally unacceptable but where train noise is partially attenuated by the intervening Derby buildings, outdoor recreational uses should be limited to informal (non-curriculum, non-school operation hour) outdoor recreational use.			
Public Services			
SCA Services-1: Capital Improvements Impact Fee The project applicant shall comply with the requirements of the City of Oakland Capital Improvements Fee Ordinance (chapter 15.74 of the Oakland Municipal Code).	Prior to issuance of building permit	Bureau of Building	N/A
Transportation and Traffic			
SCA Transportation-1, Transportation and Parking Demand Management a. Transportation and Parking Demand Management (TDM) Plan Required: The project applicant shall submit a Transportation and Parking Demand Management (TDM) Plan for review and approval by the City. The goals of the TDM Plan shall be the following: i. Reduce vehicle traffic and parking demand generated by the project to the maximum extent practicable. ii. Achieve the following project vehicle trip reductions (VTR); Projects generating 50-99 net new a.m. or p.m. peak hour vehicle trips: 10 percent VTR, Projects generating 100 or more net new a.m. or p.m. peak hour vehicle trips: 20 percent VTR iii. Increase pedestrian, bicycle, transit, and carpool/vanpool modes of travel. All four modes of travel shall be considered, as appropriate. iv. Enhance the City's transportation system, consistent with City policies and programs. b. The TDM Plan should include the following:	Prior to approval of planning application	Bureau of Planning	N/A

Standard Conditions of Approval	When Required	Initial Approval	Monitoring/ Inspection
i. Baseline existing conditions of parking and curbside regulations within the surrounding neighborhood that could affect the effectiveness of TDM strategies, including inventory of parking spaces and occupancy if applicable.			
ii. Proposed TDM strategies to achieve VTR goals.			
iii. For employers with 100 or more employees at the subject site, the TDM Plan shall also comply with the requirements of Oakland Municipal Code Chapter 10.68 Employer-Based Trip Reduction Program.			
c. Mandatory TDM strategies <u>must</u> be incorporated into a TDM Plan based on a project location or other characteristics. When required, these mandatory strategies should be identified as a credit toward a project's VTR.			
d. The TDM Plan shall indicate the estimated VTR for each strategy, based on published research or guidelines where feasible. For TDM Plans containing ongoing operational VTR strategies, the Plan shall include an ongoing monitoring and enforcement program to ensure the Plan is implemented on an ongoing basis during project operation. If an annual compliance report is required, as explained below, the TDM Plan shall also specify the topics to be addressed in the annual report.			
e. TDM Implementation – Physical Improvements: For VTR strategies involving physical improvements, the project applicant shall obtain the necessary permits/approvals from the City and install the improvements prior to the completion of the project.	Prior to building permit final	Bureau of Building	Bureau of Building
f. TDM Implementation – Operational Strategies: For projects that generate 100 or more net new a.m. or p.m. peak hour vehicle trips and contain ongoing operational VTR strategies, the project applicant shall submit an annual compliance report for the first five years following completion of the project (or completion of each phase for phased projects) for review and approval by the City. The annual report shall document the status and effectiveness of the TDM program, including the actual VTR achieved by the project during operation. If deemed necessary, the City may elect to have a peer review consultant, paid for by the project applicant, review the annual report. If timely reports are not submitted and/or the annual reports indicate that the project applicant has failed to implement the TDM Plan, the project will be considered in violation of the Conditions of Approval and the City may initiate enforcement action as provided for in these Conditions of Approval. The	Ongoing	Department of Transportation	Department of Transportation

Standard Conditions of Approval	When Required	Initial Approval	Monitoring/ Inspection
project shall not be considered in violation of this Condition if the TDM Plan is implemented but the VTR goal is not achieved.			
To further implement Transportation-1c, the following mandatory TDM measures are required:			
Mandatory TDM Measures			
TDM Improvement Measure 1.1 - Bus Shelters (required where a bus stop with no shelter is located within the project frontage, or when a project is located within 0.10 miles of a flag stop with 25 or more boardings per day): The project sponsor shall work with the City and AC Transit to determine the feasibility of installing bus shelters for the following bus stops:			
a) 29th Avenue/north of railroad crossing			
b) 29th Avenue/north of 10th Street			
c) 12th Street/east of 29th Avenue (south side			
d) 12th Street/east of 29th Avenue (north side)			
If construction of the bus shelters is feasible and if these stops have 25 or more passenger boardings per day, the project sponsor shall be responsible for installation of these bus shelters.			
TDM Improvement Measure 1.2 – Pedestrian Amenities (always required): The project sponsor shall install amenities such as lighting; pedestrian oriented green infrastructure, trees, or other greening landscape; and trash receptacles per the Pedestrian Master Plan and any applicable streetscape plan along the Project frontages.			
TDM Improvement Measure 1.3 – Pedestrian Infrastructure (always required): The curb ramps located at adjacent intersections have recently been updated and appear to meet City requirements. All intersections have curb ramps with truncated domes. However, the project sponsor shall coordinate with the California Public Utilities Commission (CPUC), Union Pacific, and the City to determine existing deficiencies and potential improvements for the pedestrian crossing of the railroad tracks on 29th Avenue, south of the Project driveway. In the interim, the school shall dedicate a staff member to act as a crossing guard to ensure safe crossing for students (see also Rail Crossing analysis, below).			

Standard Conditions of Approval	When Required	Initial Approval	Monitoring/ Inspection
TDM Improvement Measure 1.4 – Roadway Paving and Lane Striping (typically required): The project sponsor shall work with the City to determine if paving, lane striping, or restriping will be required in the vicinity of the project. *TDM Improvement Measure 1.5: Pedestrian Crossing Improvements* (required when identified as an improvement within a site analysis or operations analysis): The project sponsor shall restripe the existing crosswalks in yellow to indicate a school crossing per the California MUTCD at the following locations: a) 12th Street / Derby Avenue b) 29th Avenue / 12th Street c) 29th Avenue / Food Max / Animal Services Driveway *TDM Improvement Measure 1.6: Relocating Bus Stops to Far Side* (required where a project is located within 0.10 mile of any active bus stop that is currently near side): The project sponsor shall work with Alameda Contra Costa Transit District or AC Transit and the City to determine if the near side bus stop should be relocated to the far side at the following locations: a) westbound approach to 12th Street/29th Avenue b) northbound approach to 29th Avenue/Food Max/Animal Services Driveway **Additional Recommended TDM Measures** Additional TDM measures are recommended to help achieve the required 20% reduction in vehicle trips and other goals of the TDM Plan as required pursuant to SCA Transportation-1, including the following: a. Designate and retain a TDM Program Coordinator to be responsible for implementation, monitoring and reporting of the TDM Plan. The TDM Coordinator would facilitate site inspections by City staff to verify that the standards specified as conditions of approval are met. This person(s) can be a school employee or a third party provider that runs the program. b. Having accessible, secure, and convenient places to store bicycles encourages residents to bike to and from the project site. The Project shall include both long-term and short-term bicycle parking on-site, as well as a bike repair station. The Project should provide short-term and long-term bicycle parking facilities to meet maximum estimated demand. The			

Standard Conditions of Approval	When Required	Initial Approval	Monitoring/ Inspection
number of bicycle parking spaces should be equitably adjusted (increased) based on observed demand. c. The Project should provide subsidized/discounted daily or monthly public transit or bike share passes. The VMT reduction calculation assumes the Project would provide the equivalent of a $1.50 per trip subsidy for these modes. d. The Project should develop and implement a ridesharing or carpooling program for students. The ridesharing "School Pool" program will help to match parents to transport students to/from campus. The VMT reduction calculation assumes aggressive implementation with a 35 percent adoption rate. e. Information sharing and marketing are important components to successful vehicle trip reduction strategies. The Project should develop and implement a vehicle trip reduction program. Vehicle trip reduction marketing elements may include transit information packets and programs, such as the guaranteed ride home program, pre-tax commuter benefits, and on-site sales of transit passes, to support sustainable modes. The appointed transportation coordinator will provide trip planning assistance and provide information on transportation options for students and staff.			
SCA Transportation-2: Transportation Impact Fee The project applicant shall comply with the requirements of the City of Oakland Transportation Impact Fee Ordinance (chapter 15.74 of the Oakland Municipal Code).	Prior to issuance of building permit	Bureau of Building	N/A
SCA Transportation-3: Bicycle Parking The project applicant shall comply with the City of Oakland Bicycle Parking Requirements (chapter 17.118 of the Oakland Planning Code). The project drawings submitted for construction-related permits shall demonstrate compliance with the requirements.	Prior to approval of construction-related permit	Bureau of Planning	Bureau of Building
SCA Transportation-4, PEV-Capable Parking Spaces The applicant shall submit, for review and approval of the Building Official, plans that show the location of inaccessible conduit to supply PEV-capable parking spaces per the requirements of Chapter 15.04 of the Oakland Municipal Code. Building electrical plans shall indicate sufficient electrical capacity to supply the required PEV-capable parking spaces.	Prior to Issuance of Building Permit	Bureau of Building	Bureau of Building

Standard Conditions of Approval	When Required	Initial Approval	Monitoring/ Inspection
SCA Transportation-5, ADA-Accessible Spaces The applicant shall submit, for review and approval of the Building Official, plans that show the location of future accessible EV parking spaces as required under Title 24 Chapter 11B Table 11B-228.3.2.1, and specify plans to construct all future accessible EV parking spaces with appropriate grade, vertical clearance, and accessible path of travel to allow installation of accessible EV charging station(s)	Prior to Issuance of Building Permit	Bureau of Building	Bureau of Building
SCA Transportation-6, Railroad Crossings The project applicant shall submit for City review and approval a Diagnostic Review to evaluate potential impacts to at-grade railroad crossings resulting from project-related traffic. In general, the major types of impacts to consider are collisions between trains and vehicles, trains and pedestrians, and trains and bicyclists. The Diagnostic Review shall include specific traffic elements, such as roadway and rail description, accident history, traffic volumes (all modes, including pedestrian and bicyclist crossing movements), train volumes, vehicular speeds, train speeds, and existing rail and traffic control. Where the Diagnostic Review identifies potentially substantially dangerous crossing conditions at at-grade railroad crossings caused by the project, measures relative to the project's traffic contribution to the crossings shall be applied through project redesign and/or incorporation of the appropriate measures to reduce potential adverse impacts at the crossings. These measures may include, without limitation, the following: a. Installation of grade separations at crossings, i.e., physically separating roads and railroad tracks by constructing overpasses or underpasses b. Improvements to warning devices at existing highway rail crossings that are impacted by project traffic c. Installation of additional warning signage d. Improvements to traffic signaling at intersections adjacent to crossings, e.g., signal preemption e. Installation of median separation to prevent vehicles from driving around railroad crossing gates	Ongoing until completion with substantial progress shown in the TDM annual compliance	Bureau of Planning/ DOT	Bureau of Building, Bureau of Planning and DOT

Standard Conditions of Approval	When Required	Initial Approval	Monitoring/ Inspection
f. Where sound walls, landscaping, buildings, etc. would be installed near crossings, maintaining the visibility of warning devices and approaching trains			
g. Prohibition of parking within 100 feet of the crossings to improve the visibility of warning devices and approaching trains			
h. Construction of pull-out lanes for buses and vehicles transporting hazardous materials			
i. Installation of vandal-resistant fencing or walls to limit the access of pedestrians onto the railroad right-of-way			
j. Elimination of driveways near crossings			
k. Increased enforcement of traffic laws at crossings			
l. Rail safety awareness programs to educate the public about the hazards of highway-rail grade crossings			
Any proposed improvements must be coordinated with California Public Utility Commission (CPUC) and affected railroads and all necessary permits/approvals obtained, including a GO 88-B Request (Authorization to Alter Highway Rail Crossings). The project applicant shall implement the approved measures during construction of the project.			
To further implement SCA Transportation-6, the following Project-specific design measures have been identified based on initial review and prior to completion of the final Diagnostic Review.			
Recommendation Transportation-6-1: Railroad Crossing Survey: The project applicant shall retain a transportation consultant to conduct both visual and written surveys of how many of the school's population cross, via vehicle, walk and bike trips, the 29th Avenue Railroad crossing. The surveys shall be conducted once a quarter for the first year the school is open and once a semester after until the final Diagnostic Review is completed. The results of the survey shall be reported in the TDM annual compliance report. The purpose of the survey is to determine the project's contribution to railroad crossing trips and possible railroad safety improvements.			
Recommendation Transportation-6.2: Crossing Guard: Until the recommend improvements from the diagnostic review are implemented, the Project will dedicate a staff member to act as a crossing guard during the morning and afternoon commute periods (7:30-8:30 a.m. and 3:45-5:45 p.m., and Wednesdays at 1:30 p.m.) to ensure safe crossing for students.			

Standard Conditions of Approval	When Required	Initial Approval	Monitoring/ Inspection
SCA Transportation-7: Construction Activity in the Public Right-of-Way a. Obstruction Permit Required. The project applicant shall obtain an obstruction permit from the City prior to placing any temporary construction-related obstruction in the public right-of-way, including City streets, sidewalks, bicycle facilities, and bus stops.	Prior to approval of construction-related permit	Department of Transportation	Department of Transportation
b. Traffic Control Plan Required. In the event of obstructions to vehicle or bicycle travel lanes, bus stops, or sidewalks, the project applicant shall submit a Traffic Control Plan to the City for review and approval prior to obtaining an obstruction permit. The project applicant shall submit evidence of City approval of the Traffic Control Plan with the application for an obstruction permit. The Traffic Control Plan shall contain a set of comprehensive traffic control measures for auto, transit, bicycle, and pedestrian accommodations (or detours, if accommodations are not feasible), including detour signs if required, lane closure procedures, signs, cones for drivers, and designated construction access routes. The Traffic Control Plan shall be in conformance with the City's Supplemental Design Guidance for Accommodating Pedestrians, Bicyclists, and Bus Facilities in Construction Zones. The project applicant shall implement the approved Plan during construction.		Department of Transportation	Department of Transportation
c. Repair of City Streets. The project applicant shall repair any damage to the public right-of way, including streets and sidewalks, caused by project construction at his/her expense within one week of the occurrence of the damage (or excessive wear), unless further damage/excessive wear may continue; in such case, repair shall occur prior to approval of the final inspection of the construction-related permit. All damage that is a threat to public health or safety shall be repaired immediately.	Prior to building permit final	N/A	Department of Transportation
SCA Transportation-8, Transportation Improvements The project applicant shall implement the recommended on- and off-site transportation-related improvements contained within the Transportation Impact Review for the project (e.g., signal timing adjustments, restriping, signalization, traffic control devices, roadway reconfigurations, transportation demand management measures, and transit, pedestrian and bicyclist amenities). The project applicant is responsible for funding and installing the improvements, and shall obtain all necessary permits and approvals from the City and/or other applicable regulatory agencies such as, but not limited to, Caltrans (for improvements related to Caltrans facilities) and the California Public Utilities Commission (for improvements related to railroad crossings), prior to installing the improvements. To implement this measure	Prior to building permit final or as otherwise specified	Bureau of Building; Department of Transportation	Bureau of Building

Standard Conditions of Approval	When Required	Initial Approval	Monitoring/ Inspection
for intersection modifications, the project applicant shall submit Plans, Specifications, and Estimates (PS&E) to the City for review and approval. All elements shall be designed to applicable City standards in effect at the time of construction and all new or upgraded signals shall include these enhancements as required by the City. All other facilities supporting vehicle travel and alternative modes through the intersection shall be brought up to both City standards and ADA standards (according to Federal and State Access Board guidelines) at the time of construction. To further implement SCA Transportation-8, the following transportation improvement measures or Project-specific recommendations have been identified to be implemented. *Recommended Improvement Measure Transportation-8.1: Prohibit Left Turns at the 29th Avenue Project Driveway* As an improvement measure to minimize the potential for queues to develop on site and to maintain better operations at the Project driveway, the project sponsor should prohibit left turns at the 29th Avenue driveway. The project sponsor will work with City staff to identify appropriate pavement markings and signage, compliant with the MUTCD, to notify drivers of the turn restriction. Pavement markings and signage will be placed in a location where they will most easily be seen by drivers who might be intending to turn. Vertical separation elements or other self-reinforcing geometric design elements (e.g., bollards) should also be installed to discourage prohibited turns. Additionally, the project sponsor will provide information about site access and circulation, including left turn restrictions, in orientation/educational materials for distribution to students and staff. *Recommended Improvement Measure Transportation-8.2: Develop and Implement Plan for Visitor Access and Parking* As an improvement measure to ensure visitors are able to access the site and parking lot when the gates on Derby Avenue and 29th Avenue are closed, the project sponsor will develop and implement a plan for visitor parking access. The plan will be submitted reviewed and approved by City staff prior to school opening, and may include, but not be limited to, the following: a) Provide an intercom device to allow for communication between staff and visitors at each gate. The intercom devices may provide voice and video communication and allow for remote management.			

Standard Conditions of Approval	When Required	Initial Approval	Monitoring/ Inspection
b) Designate staff to assist with visitor access requests.			
c) Provide informational signage at the driveways with information regarding hours of operation and access instructions. Signage should also include information regarding alternate parking locations.			
Recommended Improvement Measure Transportation 8.3: Develop and Implement Drop Off and Pick Up Procedures			
As an improvement measure to minimize the potential for queues to develop on surrounding roadways and to maintain better operations at the Project driveway and on site, the project sponsor would develop and implement drop off and pick up procedures. These procedures cover both typical school day traffic as well as procedures for special events held after hour at the school. The procedures will be reviewed and approved by City staff prior to school opening, and may include, but not be limited to the following:			
a) Modify the gate opening and closing times to reduce queues from parents waiting on the street to access the pick-up/drop-off area. Gate times in the morning should also reflect earlier drop-off times for students that have breakfast at the school and after school programs.			
b) Create a designated drop-off/pick-up zone. Provide clearly marked area on site for passenger drop-off/pick-up. There is approximately 550 linear feet of space available within the drive aisle southeast of the building entrance that could accommodate a queue of around 27 vehicles.			
c) Require drivers to form a single queue within the parking lot to conduct drop-off. Do not allow double parking or drop-off outside of the designated area.			
d) Require drivers to pull up to the front of the queue and into the designated area prior to conducting passenger drop-off.			
e) Designate staff to assist with operations. Staff should be present to actively manage the on-site loading zone during drop-off and pick-up, increase efficiency of operations, encourage appropriate driving behavior, and provide enforcement as necessary.			
f) Stagger arrival and dismissal times.			

Standard Conditions of Approval	When Required	Initial Approval	Monitoring/ Inspection
g) Communicate information to staff, students, and parents. Drop-off and pick-up procedures should be communicated in welcome packets and could also be included in informational signage on-site.			
Recommended Improvement Measure Transportation-8.4: Dedicate Crossing Guard at East 12th Street/29th Avenue			
The Project sponsor will dedicate at least one staff member to be present at the East 12th Street/29th Avenue intersection during the morning and afternoon periods, to direct students to cross at this intersection. Given the directionality of students crossing from the bus stop on the north side of 29th Avenue and towards the school in the morning, and in the opposite direction in the afternoon, staff should be positioned on the north side/across the street in the morning, and on the south side/school side in the afternoon.			
Recommended Improvement Measure Transportation-8.5: Work with the City to Determine Feasibility of Closing the Bicycle Lane Gap:			
The project sponsor should work with the City to determine the feasibility of closing the bicycle lane gap between East 10th Street and East 12th Street along 29th Avenue, per the Let's Bike Oakland plan. If the construction of the Class II bicycle facility is found to be feasible, the Project should pay its share of the improvement to add the bicycle lanes commensurate, with the Project's contribution to bicycle traffic along 29th Avenue.			
Recommended Improvement Measure Transportation-8.6, Improve Pedestrian Access to Nearby Bus Stops			
The two bus stops closest to the project should be improved to better accommodate pedestrian access. These improvements would include removing the landscape strip near the 29th Avenue bus stop on southbound 29th Avenue across the street from the project, and updates to the East 12th Street bus stop just east of 29th Avenue to repaint the red curb and fix potential tripping hazards due to an uneven sidewalk.			
Recommended Improvement Measure Transportation-8.7: Implement Special Event Parking Management Strategies			
The project sponsor shall prepare an annual event calendar that anticipates the number of attendees for special events, to be submitted to the City. If the event is proposed to have 200 or more attendees, the project sponsor will identify and implement a parking management			

Standard Conditions of Approval	When Required	Initial Approval	Monitoring/ Inspection
plan to be submitted for review and approval by the City, along with the calendar. Suggested strategies include, but are not limited to, the following: a. Increase the supply of on-site parking by allowing parking on the basketball courts and playing fields. b. Increase the supply of on-site parking by providing tandem parking and valet service. c. Actively manage parking through use of attendants to direct people to available spaces. d. For events that may generate substantial demand for valet parking in excess of regular (non-event) conditions, the project sponsor will pursue negotiations with off-site facilities to secure access to additional vehicle parking spaces to accommodate events. Possible facilities include Lazear Charter Academy, an EFC-owned and operated facility located two blocks southwest at 824 29th Avenue, and Think College Now, located about block northwest at 2825 International Boulevard.			
Utilities and Service Systems			
SCA Utilities-1: Water Efficient Landscape Ordinance (WELO) The project applicant shall comply with California's Water Efficient Landscape Ordinance (WELO) in order to reduce landscape water usage. For any landscape project with an aggregate (total non-contiguous) landscape area over 2,500 sq. ft., the project applicant shall implement the Performance Measures in accordance with the WELO. Prior to construction, the project applicant shall prepare and submit a Landscape Documentation Package for review and approval, which includes the following a. Project Information: i. Date, ii. Applicant and property owner name, iii. Project address, iv. Total landscape area, v. Project type (new, rehabilitated, cemetery, or homeowner installed), vi. Water supply type and water purveyor,	Prior to approval of construction-related permit	Bureau of Planning	Bureau of Planning

Standard Conditions of Approval	When Required	Initial Approval	Monitoring/ Inspection
vii. Checklist of documents in the package, and viii. Project contacts ix. Applicant signature and date with the statement: "I agree to comply with the requirements of the water efficient landscape ordinance and submit a complete Landscape Documentation Package." b. Water Efficient Landscape Worksheet i. Hydrozone Information Table ii. Water Budget Calculations with Maximum Applied Water Allowance (MAWA) and Estimated Total Water Use c. Soil Management Report d. Landscape Design Plan e. Irrigation Design Plan, and f. Grading Plan c. Upon installation of the landscaping and irrigation systems, and prior to the final of a construction- related permit, the Project applicant shall submit a Certificate of Completion and landscape and irrigation maintenance schedule for review and approval by the City. The Certificate of Completion shall also be submitted to the local water purveyor and property owner or his or her designee.			
SCA Utilities-2, Sanitary Sewer System The project applicant shall prepare and submit a Sanitary Sewer Impact Analysis to the City for review and approval in accordance with the City of Oakland Sanitary Sewer Design Guidelines. The Impact Analysis shall include an estimate of pre-project and post-project wastewater flow from the project site. In the event that the Impact Analysis indicates that the net increase in project wastewater flow exceeds City-projected increases in wastewater flow in the sanitary sewer system, the project applicant shall pay the Sanitary Sewer Impact Fee in accordance with the City's Master Fee Schedule for funding improvements to the sanitary sewer system.	Prior to approval of construction-related permit	Public Works Department, Department of Engineering and Construction	N/A

Standard Conditions of Approval	When Required	Initial Approval	Monitoring/ Inspection
SCA Utilities-3, Storm Drain System The project's storm drainage system shall be designed in accordance with the City of Oakland's Storm Drainage Design Guidelines. To the maximum extent practicable, peak stormwater runoff from the project site shall be reduced by at least 25 percent compared to the pre-project condition.	Prior to approval of construction-related permit	Bureau of Building	Bureau of Building
SCA Utilities-4: Underground Utilities The project applicant shall place underground all new utilities serving the project and under the control of the project applicant and the City, including all new gas, electric, cable, and telephone facilities, fire alarm conduits, street light wiring, and other wiring, conduits, and similar facilities. The new facilities shall be placed underground along the project's street frontage and from the project structures to the point of service. Utilities under the control of other agencies, such as PG&E, shall be placed underground if feasible. All utilities shall be installed in accordance with standard specifications of the serving utilities.	During Construction	N/A	Bureau of Building
SCA Utilities-5: Construction and Demolition Waste Reduction and Recycling The project applicant shall comply with the City of Oakland Construction and Demolition Waste Reduction and Recycling Ordinance (chapter 15.34 of the Oakland Municipal Code) by submitting a Construction and Demolition Waste Reduction and Recycling Plan (WRRP) for City review and approval, and shall implement the approved WRRP. Projects subject to these requirements include all new construction, renovations/alterations/modifications with construction values of $50,000 or more (except R-3 type construction), and all demolition (including soft demolition) except demolition of type R-3 construction. The WRRP must specify the methods by which the project will divert construction and demolition debris waste from landfill disposal in accordance with current City requirements. The WRRP may be submitted electronically at www.greenhalosystems.com or manually at the City's Green Building Resource Center. Current standards, FAQs, and forms are available on the City's website and in the Green Building Resource Center.	Prior to Approval of Construction-Related Permit	Public Works Department, Environmental Services Division	Public Works Department, Environmental Services Division
SCA Utilities-6: Recycling Collection and Storage Space The project applicant shall comply with the City of Oakland Recycling Space Allocation Ordinance (chapter 17.118 of the Oakland Planning Code). The project drawings submitted for construction-related permits shall contain recycling collection and storage areas in compliance	Prior to Approval of Construction-Related Permit	Bureau of Planning	Bureau of Building

Standard Conditions of Approval	When Required	Initial Approval	Monitoring/ Inspection
with the Ordinance. For residential projects, at least two (2) cubic feet of storage and collection space per residential unit is required, with a minimum of ten (10) cubic feet. For nonresidential projects, at least two (2) cubic feet of storage and collection space per 1,000 square feet of building floor area is required, with a minimum of ten (10) cubic feet.			

Appendix B

Illingworth & Rodkin, Inc.

***Education for Change Derby Charter High School Air Quality and Greenhouse Gas Emissions Assessment*, April 16, 2021**

EDUCATION FOR CHANGE DERBY CHARTER HIGH SCHOOL AIR QUALITY AND GREENHOUSE GAS EMISSIONS ASSESSMENT

Oakland, California

March 23, 2021
Revised April 16, 2021

Prepared for:

Scott Gregory
Lamphier-Gregory
1944 Embarcadero
Oakland, CA 94606

Prepared by:

James Reyff and
William Popenuck
ILLINGWORTH & RODKIN, INC.
Acoustics • Air Quality
429 E. Cotati Avenue
Cotati, CA 94931
(707) 794-0400

Project # 20-184

INTRODUCTION

The purpose of this report is to address air quality and greenhouse gas (GHG) impacts resulting from the construction and operation of the Education for Change (EFC) Derby Charter High School proposed in Oakland, California. The Project applicant is proposing to redevelop the Project site in two phases and seeks land use entitlements to allow for the operation of a grade 9 through 12 charter high school on the Project site. The air quality impacts would be associated with some demolition of the existing uses at the site, construction of a new multi-purpose building and some other site improvements, and operation of the project. Air pollutants and GHG emissions associated with construction and operation of the project were predicted using models. In addition, the potential community risk impact to nearby sensitive receptors and the impact of existing toxic air contaminant (TAC) sources affecting the proposed sensitive receptors were evaluated. This analysis addresses those issues following the guidance provided by the Bay Area Air Quality Management District (BAAQMD).[1]

PROJECT DESCRIPTION

The Project site consists of two adjacent parcels along 29th Avenue and East 12th Street. The site is bounded by 29th Avenue at the northwest, a mostly vacant or commercial strip of land along East 12th Ave to the northeast, Derby Avenue to the southeast and the UPRR right-of-way to the southwest. Figure 1 is an aerial showing the project site parcels. The northeasterly parcel with address 0 29th Avenue (outlined in red in Figure 1) is generally an unimproved vacant dirt lot, with the exception of an approximately 12,000 square-foot paved area near Derby Avenue. This parcel, acquired by EFC, was informally striped for parking. It is separated from East 12th Street by a row of commerical properties and a vacant lot. The southerly of the two properties, at 1045 Derby Avenue (outlined in green in Figure 1) is leased by EFC from the California Department of Transportation (Caltrans). It is an approximatley 92,530 square-foot industial property that was previously used as a Caltrans storage and maintenance facility until 2010. EFC added three additional buuildings and the six current buildings, totaling 29,590 square feet of building space, currently contain space for 23 classrooms, administrative offices, a servery and restrooms, as remodeled and constructed by EFC in 2014. In addition, there are several shade structures, three storage units and an outdoor learning space on this property, as established by EFC in 2014. The Derby Avenue parcel also contains 65 parking spaces.

The Project applicant is proposing to redevelop the Project site in two phases and seeks land use entitlements to allow for the operation of a grade 9 through 12 charter high school on the Project site. Implementation of the EFC site development program would occur in two phases, intended to create a new charter high school campus. The Project's Preliminary Development Plan (PDP) of the entire development includes two phases, as summarized below.

- *Phase 1*: Phase 1 involves primarily seismic upgrades to the existing buildings on the Derby parcel (including the former Caltrans buildings and the new buildings constructed by EFC in 2014), and installation of recreational space on the adjacent and mostly vacant 29th Avenue parcel. Construction of Phase 1 work (including any necessary remediation

[1] Bay Area Quality Management District, 2017. *California Environmental Quality Act Air Quality Guidelines*. May. Web: https://www.baaqmd.gov/~/media/files/planning-and-research/ceqa/ceqa_guidelines_may2017-pdf.pdf?la=en

of site contamination issues as determined pursuant to the Voluntary Remedial Action Agreement with ACDEH) is estimated to take 3 to 6 months, commencing immediately after land use approvals and building permit approvals.

- *Phase 2*: Once the leased Derby parcel has been acquired by EFC from Caltrans, the two lots would be merged under EFC ownership, existing Building B would be removed, and a new multi-purpose building would be constructed. EFC is currently working to raise sufficient funding for Phase 2 work, which is estimated to occur at about 1 to 2 years after completion of Phase 1. Construction of the multi-purpose building is estimated to take approximately 1 year.

At full enrollment, which is expected at Phase 1, the school is expected to have a student population of 400 students, approximately 100 students each on grades 9 (freshmen) through 12 (seniors). Projected staffing levels includes 30 EFC faculty and administrative staff at full enrollment.

Figure 1. Project Site

SETTING

The project site is located in Alameda County, which is within the San Francisco Bay Area Air Basin. Ambient air quality standards have been established at both the State and federal level. The

Bay Area meets all ambient air quality standards with the exception of ground-level ozone (O_3), respirable particulate matter (PM_{10}), and fine particulate matter ($PM_{2.5}$).

Air Pollutants of Concern

High O_3 levels are caused by the cumulative emissions of reactive organic gases (ROG) and nitrogen oxides (NO_X). These precursor pollutants react under certain meteorological conditions to form high O_3 levels. Controlling the emissions of these precursor pollutants is the focus of the Bay Area's attempts to reduce O_3 levels. The highest O_3 levels in the Bay Area occur in the eastern and southern inland valleys that are downwind of air pollutant sources. High O_3 levels aggravate respiratory and cardiovascular diseases, reduced lung function, and increase coughing and chest discomfort.

Particulate matter is another problematic air pollutant of the Bay Area. Particulate matter is assessed and measured in terms of respirable particulate matter or particles that have a diameter of 10 micrometers or less (PM_{10}) and fine particulate matter where particles have a diameter of 2.5 micrometers or less ($PM_{2.5}$). Elevated concentrations of PM_{10} and $PM_{2.5}$ are the result of both region-wide (or cumulative) emissions and localized emissions. High particulate matter levels aggravate respiratory and cardiovascular diseases, reduce lung function, increase mortality (e.g., lung cancer), and result in reduced lung function growth in children.

Toxic Air Contaminants

TACs are a broad class of compounds known to cause morbidity or mortality (usually because they cause cancer) and include, but are not limited to, the criteria air pollutants. TACs are found in ambient air, especially in urban areas, and are caused by industry, agriculture, fuel combustion, and commercial operations (e.g., dry cleaners). TACs are typically found in low concentrations, even near their source (e.g., diesel particulate matter [DPM] near a freeway). Because chronic exposure can result in adverse health effects, TACs are regulated at the regional, State, and federal level.

Diesel exhaust is the predominant TAC in urban air and is estimated to represent about three-quarters of the cancer risk from TACs (based on the Bay Area average). According to the California Air Resources Board (CARB), diesel exhaust is a complex mixture of gases, vapors, and fine particles. This complexity makes the evaluation of health effects of diesel exhaust a complex scientific issue. Some of the chemicals in diesel exhaust, such as benzene and formaldehyde, have been previously identified as TACs by the CARB, and are listed as carcinogens either under the State's Proposition 65 or under the Federal Hazardous Air Pollutants programs.

Regulatory Agencies

The BAAQMD is the regional agency tasked with managing air quality in the region. At the State level, the CARB (a part of the California Environmental Protection Agency [EPA]) oversees regional air district activities and regulates air quality at the State level. The BAAQMD has

recently published California Environmental Quality Act (CEQA) Air Quality Guidelines that are used in this assessment to evaluate air quality impacts of projects.

Regulatory Setting

Federal Regulations

The United States Environmental Protection Agency (EPA) sets nationwide emission standards for mobile sources, which include on-road (highway) motor vehicles such trucks, buses, and automobiles, and non-road (off-road) vehicles and equipment used in construction, agricultural, industrial, and mining activities (such as bulldozers and loaders). The EPA also sets nationwide fuel standards. California also has the ability to set motor vehicle emission standards and standards for fuel used in California, as long as they are the same or more stringent than the federal standards.

In the past decade the EPA has established a number of emission standards for on- and non-road heavy-duty diesel engines used in trucks and other equipment. This was done in part because diesel engines are a significant source of NO_X and particulate matter (PM_{10} and $PM_{2.5}$) and because the EPA has identified DPM as a probable carcinogen. Implementation of the heavy-duty diesel on-road vehicle standards and the non-road diesel engine standards are estimated to reduce particulate matter and NO_X emissions from diesel engines up to 95 percent in 2030 when the heavy-duty vehicle fleet is completely replaced with newer heavy-duty vehicles that comply with these emission standards.[2]

In concert with the diesel engine emission standards, the EPA has also substantially reduced the amount of sulfur allowed in diesel fuels. The sulfur contained in diesel fuel is a significant contributor to the formation of particulate matter in diesel-fueled engine exhaust. The new standards reduced the amount of sulfur allowed by 97 percent for highway diesel fuel (from 500 parts per million by weight [ppmw] to 15 ppmw), and by 99 percent for off-highway diesel fuel (from about 3,000 ppmw to 15 ppmw). The low sulfur highway fuel (15 ppmw sulfur), also called ultra-low sulfur diesel (ULSD), is currently required for use by all vehicles in the U.S.

All of the above federal diesel engine and diesel fuel requirements have been adopted by California, in some cases with modifications making the requirements more stringent or the implementation dates sooner.

State Regulations

To address the issue of diesel emissions in the state, CARB developed the Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles.[3] In addition to requiring more stringent emission standards for new on-road and off-road mobile sources and stationary diesel-fueled engines to reduce particulate matter emissions by 90 percent, a significant component of the plan involves application of emission control strategies to existing diesel

[2] USEPA, 2000. *Regulatory Announcement, Heavy-Duty Engine and Vehicle Standards and Highway Diesel Fuel Sulfur Control Requirements*. EPA420-F-00-057. December.

[3] California Air Resources Board, 2000. Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles. October.

vehicles and equipment. Many of the measures of the Diesel Risk Reduction Plan have been approved and adopted, including the federal on-road and non-road diesel engine emission standards for new engines, as well as adoption of regulations for low sulfur fuel in California.

CARB has adopted and implemented a number of regulations for stationary and mobile sources to reduce emissions of DPM. Several of these regulatory programs affect medium and heavy-duty diesel trucks that represent the bulk of DPM emissions from California highways. CARB regulations require on-road diesel trucks to be retrofitted with particulate matter controls or replaced to meet 2010 or later engine standards that have much lower DPM and $PM_{2.5}$ emissions. This regulation will substantially reduce these emissions between 2013 and 2023. While new trucks and buses will meet strict federal standards, this measure is intended to accelerate the rate at which the fleet either turns over so there are more cleaner vehicles on the road or is retrofitted to meet similar standards. With this regulation, older, more polluting trucks would be removed from the roads sooner.

CARB has also adopted and implemented regulations to reduce DPM and NO_X emissions from in-use (existing) and new off-road heavy-duty diesel vehicles (e.g., loaders, tractors, bulldozers, backhoes, off-highway trucks, etc.). The regulations apply to diesel-powered off-road vehicles with engines 25 horsepower (hp) or greater. The regulations are intended to reduce particulate matter and NO_X exhaust emissions by requiring owners to turn over their fleet (replace older equipment with newer equipment) or retrofit existing equipment in order to achieve specified fleet-averaged emission rates. Implementation of this regulation, in conjunction with stringent federal off-road equipment engine emission limits for new vehicles, will significantly reduce emissions of DPM and NO_X.

Bay Area Air Quality Management District (BAAQMD)

BAAQMD has jurisdiction over an approximately 5,600-square mile area, commonly referred to as the San Francisco Bay Area (Bay Area). The District's boundary encompasses the nine San Francisco Bay Area counties, including Alameda County, Contra Costa County, Marin County, San Francisco County, San Mateo County, Santa Clara County, Napa County, southwestern Solano County, and southern Sonoma County.

BAAQMD is the lead agency in developing plans to address attainment and maintenance of the National Ambient Air Quality Standards and California Ambient Air Quality Standards. The District also has permit authority over most types of stationary equipment utilized for the proposed project. The BAAQMD is responsible for permitting and inspection of stationary sources; enforcement of regulations, including setting fees, levying fines, and enforcement actions; and ensuring that public nuisances are minimized.

The BAAQMD California Environmental Quality Act (*CEQA) Air Quality Guidelines*[4] were prepared to assist in the evaluation of air quality impacts of projects and plans proposed within the Bay Area. The guidelines provide recommended procedures for evaluating potential air impacts during the environmental review process consistent with CEQA requirements including thresholds of significance, mitigation measures, and background air quality information. They also include

[4] Bay Area Air Quality Management District, 2017. *CEQA Air Quality Guidelines*. May.

assessment methodologies for air toxics, odors, and greenhouse gas emissions. *Attachment 1* includes detailed community risk modeling methodology.

BAAQMD Rules and Regulations

The project is not anticipated to have combustion equipment that would require a permit from BAAQMD (e.g., emergency generator). Therefore, permits from the Air District are not necessary.

City of Oakland Standard Conditions of Approval

On November 3, 2008, the Oakland City Council formally adopted the Standard Conditions of Approval (SCA). These Conditions are uniformly applied development standards that mitigate environmental effects. Individual projects are required to adopt these Conditions and are not mitigation. If the Standard Conditions of Approval do not mitigate an environmental effect, then feasible mitigation measures may be considered by the City to reduce the impact to a less-than-significant level.

The following air quality conditions apply to this project.

<u>Dust Controls – Construction Related</u>

<u>Requirement:</u> The project applicant shall implement all of the following applicable dust control measures during construction of the project:

a) Water all exposed surfaces of active construction areas at least twice daily. Watering should be sufficient to prevent airborne dust from leaving the site. Increased watering frequency may be necessary whenever wind speeds exceed 15 miles per hour. Reclaimed water should be used whenever feasible.
b) Cover all trucks hauling soil, sand, and other loose materials or require all trucks to maintain at least two feet of freeboard (i.e., the minimum required space between the top of the load and the top of the trailer).
c) All visible mud or dirt track-out onto adjacent public roads shall be removed using wet power vacuum street sweepers at least once per day. The use of dry power sweeping is prohibited.
d) Limit vehicle speeds on unpaved roads to 15 miles per hour.
e) All demolition activities (if any) shall be suspended when average wind speeds exceed 20 miles per house (mph).
f) All trucks and equipment, including tires, shall be washed off prior to leaving the site.
g) Site accesses to a distance of 100 feet from the paved road shall be treated with a 6 to 12 inch compacted layer of wood chips, mulch, or gravel

Enhanced control will not be needed because the project does involve extensive site preparation nor extensive soil transport

<u>Criteria Air Pollutant Controls - Construction Related</u>

<u>Requirement:</u> The project applicant shall implement all of the following applicable basic control measures for criteria air pollutants during construction of the project as applicable:

a) Idling times on all diesel-fueled commercial vehicles over 10,000 lbs. shall be minimized either by shutting equipment off when not in use or reducing the maximum idling time to two minutes (as required by the California airborne toxics control measure Title 13, Section 2485, of the California Code of Regulations). Clear signage to this effect shall be provided for construction workers at all access points.
b) Idling times on all diesel-fueled off-road vehicles over 25 horsepower shall be minimized either by shutting equipment off when not in use or reducing the maximum idling time to two minutes and fleet operators must develop a written policy as required by Title 23, Section 2449, of the California Code of Regulations ("California Air Resources Board Off- Road Diesel Regulations").
c) All construction equipment shall be maintained and properly tuned in accordance with the manufacturer's specifications. All equipment shall be checked by a certified mechanic and determined to be running in proper condition prior to operation. Equipment check documentation should be kept at the construction site and be available for review by the City and the Bay Area Air Quality District as needed.
d) Portable equipment shall be powered by grid electricity if available. If electricity is not available, propane or natural gas generators shall be used if feasible. Diesel engines shall only be used if grid electricity is not available and propane or natural gas generators cannot meet the electrical demand.
e) Low VOC (i.e., ROG) coatings shall be used that comply with BAAQMD Regulation 8, Rule 3: Architectural Coatings.
f) All equipment to be used on the construction site shall comply with the requirements of Title 13, Section 2449, of the California Code of Regulations ("California Air Resources Board Off-Road Diesel Regulations") and upon request by the City (and the Air District if specifically requested), the project applicant shall provide written documentation that fleet requirements have been met.

Enhanced control will not be needed since the average daily emissions from construction activities will not exceed the CEQA thresholds for construction activity, currently 54 pounds per day of ROG, NOx, or PM2.5 or 82 pounds per day of PM10.

Diesel Particulate Matter Controls-Construction Related

a. Diesel Particulate Matter Reduction Measures

Requirement: The project applicant shall implement appropriate measures during construction to reduce potential health risks to sensitive receptors due to exposure to diesel particulate matter (DPM) from construction emissions. The project applicant shall choose **one** of the following methods:

i. The project applicant shall retain a qualified air quality consultant to prepare a Health Risk Assessment (HRA) in accordance with current guidance from the California Air Resources Board (CARB) and Office of Environmental Health and Hazard Assessment to determine the health risk to sensitive receptors exposed to DPM from project construction emissions. The HRA shall be submitted to the City (and the Air District if specifically requested) for review and approval. If the HRA concludes that the health risk is at or below

acceptable levels, then DPM reduction measures are not required. If the HRA concludes that the health risk exceeds acceptable levels, DPM reduction measures shall be identified to reduce the health risk to acceptable levels as set forth under subsection b below. Identified DPM reduction measures shall be submitted to the City for review and approval prior to the issuance of building permits and the approved DPM reduction measures shall be implemented during construction.

-or-

ii. All off-road diesel equipment shall be equipped with the most effective Verified Diesel Emission Control Strategies (VDECS) available for the engine type (Tier 4 engines automatically meet this requirement) as certified by CARB. The equipment shall be properly maintained and tuned in accordance with manufacturer specifications. This shall be verified through an equipment inventory submittal and Certification Statement that the Contractor agrees to compliance and acknowledges that a significant violation of this requirement shall constitute a material breach of contract.

Exposure to Air Pollution (Toxic Air Contaminants)

a. Health Risk Reduction Measures

Requirement: The project applicant shall incorporate appropriate measures into the project design in order to reduce the potential health risk due to exposure to toxic air contaminants. The project applicant shall choose **one** of the following methods:

i. The project applicant shall retain a qualified air quality consultant to prepare a Health Risk Assessment (HRA) in accordance with California Air Resources Board (CARB) and Office of Environmental Health and Hazard Assessment requirements to determine the health risk of exposure of project residents/occupants/users to air pollutants. The HRA shall be submitted to the City for review and approval. If the HRA concludes that the health risk is at or below acceptable levels, then health risk reduction measures are not required. If the HRA concludes that the health risk exceeds acceptable levels, health risk reduction measures shall be identified to reduce the health risk to acceptable levels. Identified risk reduction measures shall be submitted to the City for review and approval and be included on the project drawings submitted for the construction-related permit or on other documentation submitted to the City. The approved risk reduction measures shall be implemented during construction and/or operations as applicable.

- or -

ii. The project applicant shall incorporate the following health risk reduction measures into the project. These features shall be submitted to the City for review and approval and be included on the project drawings submitted for the construction-related permit or on other documentation submitted to the City:

- Installation of air filtration to reduce cancer risks and Particulate Matter (PM) exposure for residents and other sensitive populations in the project that are in close proximity to sources of air pollution. Air filter devices shall be rated MERV-13 [insert MERV-16 for projects located in the West Oakland

Specific Plan area] or higher. As part of implementing this measure, an ongoing maintenance plan for the building's HVAC air filtration system shall be required.

- Where appropriate, install passive electrostatic filtering systems, especially those with low air velocities (i.e., 1 mph).
- Phasing of residential developments when proposed within 500 feet of freeways such that homes nearest the freeway are built last, if feasible.
- The project shall be designed to locate sensitive receptors as far away as feasible from the source(s) of air pollution. Operable windows, balconies, and building air intakes shall be located as far away from these sources as feasible. If near a distribution center, residents shall be located as far away as feasible from a loading dock or where trucks concentrate to deliver goods.
- Sensitive receptors shall be located on the upper floors of buildings, if feasible.
- Planting trees and/or vegetation between sensitive receptors and pollution source, if feasible. Trees that are best suited to trapping PM shall be planted, including one or more of the following: Pine (*Pinus nigra* var. *maritima*), Cypress (*X Cupressocyparis leylandii*), Hybrid poplar (*Populus deltoids X trichocarpa*), and Redwood *(Sequoia sempervirens*).
- Sensitive receptors shall be located as far away from truck activity areas, such as loading docks and delivery areas, as feasible.
- Existing and new diesel generators shall meet CARB's Tier 4 emission standards, if feasible.
- Emissions from diesel trucks shall be reduced through implementing the following measures, if feasible:
    - Installing electrical hook-ups for diesel trucks at loading docks.
    - Requiring trucks to use Transportation Refrigeration Units (TRU) that meet Tier 4 emission standards.
    - Requiring truck-intensive projects to use advanced exhaust technology (e.g., hybrid) or alternative fuels.
    - Prohibiting trucks from idling for more than two minutes.
    - Establishing truck routes to avoid sensitive receptors in the project. A truck route program, along with truck calming, parking, and delivery restrictions, shall be implemented.

b. Maintenance of Health Risk Reduction Measures

Requirement: The project applicant shall maintain, repair, and/or replace installed health risk reduction measures, including but not limited to the HVAC system (if applicable), on an ongoing and as-needed basis. Prior to occupancy, the project applicant shall prepare and then distribute to the building manager/operator an operation and maintenance manual for the HVAC system and filter including the maintenance and replacement schedule for the filter.

Stationary Sources of Air Pollution (Toxic Air Contaminants)

Requirement: The project applicant shall incorporate appropriate measures into the project design in order to reduce the potential health risk due to on-site stationary sources of toxic air contaminants. The project applicant shall choose **one** of the following methods:

a. The project applicant shall retain a qualified air quality consultant to prepare a Health Risk Assessment (HRA) in accordance with California Air Resources Board (CARB) and Office of Environmental Health and Hazard Assessment requirements to determine the health risk associated with proposed stationary sources of pollution in the project. The HRA shall be submitted to the City for review and approval. If the HRA concludes that the health risk is at or below acceptable levels, then health risk reduction measures are not required. If the HRA concludes the health risk exceeds acceptable levels, health risk reduction measures shall be identified to reduce the health risk to acceptable levels. Identified risk reduction measures shall be submitted to the City for review and approval and be included on the project drawings submitted for the construction-related permit or on other documentation submitted to the City. The approved risk reduction measures shall be implemented during construction and/or operations as applicable.

- or -

b. The project applicant shall incorporate the following health risk reduction measures into the project. These features shall be submitted to the City for review and approval and be included on the project drawings submitted for the construction-related permit or on other documentation submitted to the City:
   i. Installation of non-diesel fueled generators, if feasible, or;
   ii. Installation of diesel generators with an EPA-certified Tier 4 engine or engines that are retrofitted with a CARB Level 3 Verified Diesel Emissions Control Strategy, if feasible.

Asbestos in Structures

Requirement: The project applicant shall comply with all applicable laws and regulations regarding demolition and renovation of Asbestos Containing Materials (ACM), including but not limited to California Code of Regulations, Title 8; California Business and Professions Code, Division 3; California Health and Safety Code sections 25915-25919.7; and Bay Area Air Quality Management District, Regulation 11, Rule 2, as may be amended. Evidence of compliance shall be submitted to the City upon request.

Sensitive Receptors

Some groups of people are more affected by air pollution than others. The State has identified the following people who are most likely to be affected by air pollution: children under 14, the elderly over 65, athletes, and people with cardiovascular and chronic respiratory diseases. These groups are classified as sensitive receptors. Locations that may contain a high concentration of these sensitive population groups include residential areas, hospitals, daycare facilities, elder care facilities, elementary schools, and parks. For cancer risk assessments, infants and children are the most sensitive receptors, since they are more susceptible to cancer causing TACs. Residential locations are assumed to include infants and small children. The closest sensitive receptors are the single-family residences along East 12th Street to the northeast and multi-family residences to the west adjacent to 29th Avenue. This project would introduce new sensitive receptors (i.e. high

school students) to the area. The high school students, assumes ages 14 to 17, are considered sensitive receptors.

Existing Sources of Air Pollutants and TACs.

Community health risk assessments typically look at all substantial sources of TACs that can affect sensitive receptors that are located within one quarter mile of a project site (i.e. influence area). These sources include freeways or highways, busy surface streets that have an average daily traffic (ADT) volume that exceeds 10,000 vehicle, and stationary sources identified by BAAQMD.

The Union Pacific Railroad (UPRR) line lies adjacent to the southwest boundary of the project site. According to the U.S. DOT Crossing Inventory Form, there are 20 thru trains and 4 switching locomotives that pass the site each day[5]. The track serves both intercity passenger and freight trains.

A review of the project traffic study identified several local roadways that have traffic volumes of about 10,000 average daily trips (ADT) per day or greater. These include:

- 29th Avenue,
- E. 12th Street,
- Fruitvale Avenue,
- San Leandro Street, and
- International Boulevard

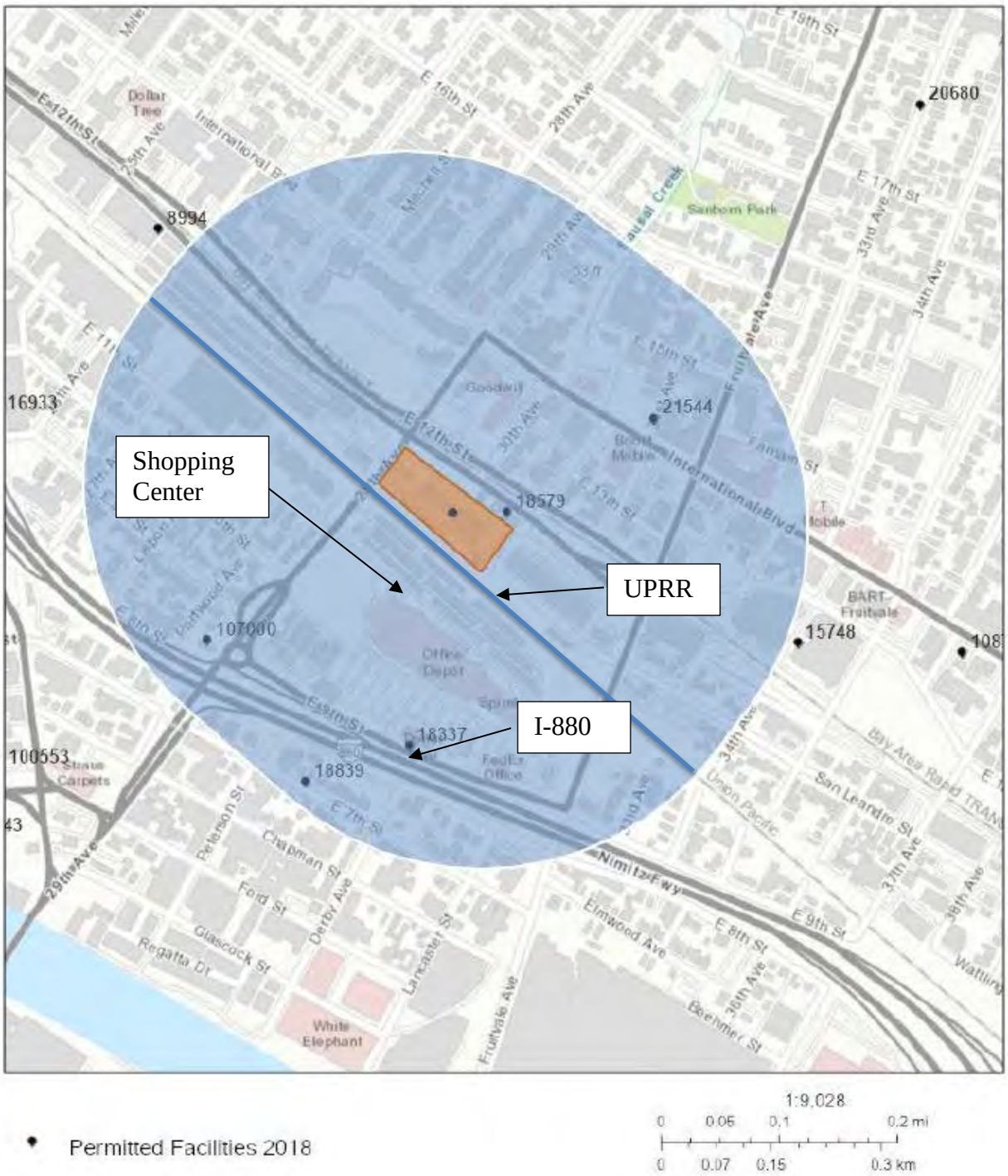
Interstate 880 lies about 900 feet southwest of the project site.

There is a shopping center to the south of the project site with loading docks that are served by large trucks.

Stationary sources were identified within the one quarter mile influence area initially using BAAQMD's Permitted Stationary Sources 2018 GIS website.[6] The presence of these sources and presence of other potential sources were confirmed by BAAQMD. Screening risk values and emissions rates were also provided by BAAQMD. Figure 2 shows the project site in relationship to stationary sources of air pollution identified by BAAQMD that are within ¼ mile of the project site.

[5] U.S. DOT. 2021. https://safetydata.fra.dot.gov/OfficeofSafety/PublicSite/Crossing/Xingqryloc.aspx Accessed 3/17/2021. Crossing Inventory Number 749621T for 29th Ave.
[6] BAAQMD, https://baaqmd.maps.arcgis.com/apps/webappviewer/index.html?id=2387ae674013413f987b1071715daa65

Figure 2. Project Site and Air Pollution Sources within ¼ Mile



Significance Thresholds

In June 2010, BAAQMD adopted thresholds of significance to assist in the review of projects under CEQA and these significance thresholds were contained in the District's 2011 CEQA Air Quality Guidelines. These thresholds were designed to establish the level at which BAAQMD

believed air pollution emissions would cause significant environmental impacts under CEQA. The thresholds were challenged through a series of court challenges and were mostly upheld. BAAQMD updated the CEQA Air Quality Guidelines in 2017 to include the latest significance thresholds, which were used in this analysis and are summarized in Table 1.

Table 1. Air Quality Significance Thresholds

Criteria Air Pollutant	Construction Thresholds	Operational Thresholds	
	Average Daily Emissions (lbs./day)	**Average Daily Emissions (lbs./day)**	**Annual Average Emissions (tons/year)**
ROG	54	54	10
NO_x	54	54	10
PM_{10}	82 (Exhaust)	82	15
$PM_{2.5}$	54 (Exhaust)	54	10
CO	Not Applicable	9.0 ppm (8-hour average) or 20.0 ppm (1-hour average)	
Fugitive Dust	Construction Dust Ordinance or other Best Management Practices	Not Applicable	
Health Risks and Hazards	**Single Sources Within 1,000-foot Zone of Influence**	**Combined Sources (Cumulative from all sources within 1,000-foot zone of influence)**	
Excess Cancer Risk	>10 per one million	>100 per one million	
Hazard Index	>1.0	>10.0	
Incremental annual $PM_{2.5}$	>0.3 µg/m^3	>0.8 µg/m^3	
Greenhouse Gas Emissions			
Land Use Projects – direct and indirect emissions	Compliance with a Qualified GHG Reduction Strategy OR 1,100 metric tons annually or 4.6 metric tons per capita (for 2020)*		

Note: ROG = reactive organic gases, NOx = nitrogen oxides, PM_{10} = course particulate matter or particulates with an aerodynamic diameter of 10 micrometers (µm) or less, $PM_{2.5}$ = fine particulate matter or particulates with an aerodynamic diameter of 2.5µm or less. GHG = greenhouse gases.

*BAAQMD does not have a recommended post-2020 GHG threshold. The adjusted thresholds are explained in more detail in the GHG discussion.

AIR QUALITY IMPACTS

Impact AIR-1: 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?

The Bay Area is considered a non-attainment area for ground-level ozone and $PM_{2.5}$ under both the Federal Clean Air Act and the California Clean Air Act. The area is also considered non-attainment for PM_{10} under the California Clean Air Act, but not the federal act. The area has attained both State and federal ambient air quality standards for carbon monoxide. As part of an effort to attain and maintain ambient air quality standards for ozone and PM_{10}, the BAAQMD has established thresholds of significance for these air pollutants and their precursors. These thresholds are for ozone precursor pollutants (ROG and NO_X), PM_{10}, and $PM_{2.5}$ and apply to both construction period and operational period impacts.

Emissions Modeling

The California Emissions Estimator Model (CalEEMod) Version 2016.3.2 was used to estimate emissions from construction and operation of the site assuming full build-out of the project. The project land use types and size, and anticipated construction schedule were input to CalEEMod.

<u>Construction Period Emissions</u>

Project construction would occur in two phases.

Phase 1 involves primarily seismic upgrades to the existing buildings on the Derby parcel (including the former Caltrans buildings and the new buildings constructed by EFC in 2014), and installation of recreational space on the adjacent and mostly vacant 29th Avenue parcel. Construction of Phase 1 work (including any necessary remediation of site contamination issues as determined pursuant to the Voluntary Remedial Action Agreement with ACDEH) is estimated to take 3 to 6 months, commencing immediately after land use approvals and building permit approvals. This activity is not anticipated to require any extensive use of construction equipment. The CalEEMod model does not predict construction emissions for small construction projects of this type.

Under Phase 2, once the leased Derby parcel has been acquired by EFC from Caltrans, the two lots would be merged under EFC ownership. An existing building would be removed, and a new17,500-sf multi-purpose building would be constructed. EFC is currently working to raise sufficient funding for Phase 2 work, which is estimated to occur at about 1 to 2 years after completion of Phase 1. Construction of the multi-purpose building is estimated to take approximately 1 year. Demolition of the existing building and construction of the new building were modeled using CalEEMod.

Land Use Inputs

The proposed project land uses were entered into CalEEMod as described in Table 2.

Table 2. Summary of Project Land Use Inputs for Construction

Project Land Uses	Size	Units	Acreage
High School	17,500	Square Feet	0.40
Demolition*	3,000	Square Feet	--

* Based on Google Earth estimates.

Construction Inputs

CalEEMod computes annual emissions for construction that are based on the project type, size and acreage. The model provides emission estimates for both on-site and off-site construction activities. On-site activities are primarily made up of construction equipment emissions, while off-site activity includes worker, hauling, and vendor traffic. Construction duration and equipment usage were based on CalEEMod default information for projects of those types and sizes. CalEEMod estimates most construction activity that involves equipment usage would occur over 123 workdays.

The City's Standard Conditions of Approval require construction project's to minimize health risk impacts. The use of Tier 4 construction equipment, as described below, would avoid such impacts. CalEEMod provided uncontrolled and controlled emissions from project construction.

> All off-road diesel equipment shall be equipped with the most effective Verified Diesel Emission Control Strategies (VDECS) available for the engine type (Tier 4 engines automatically meet this requirement) as certified by CARB. The equipment shall be properly maintained and tuned in accordance with manufacturer specifications. This shall be verified through an equipment inventory submittal and Certification Statement that the Contractor agrees to compliance and acknowledges that a significant violation of this requirement shall constitute a material breach of contract.

Summary of Computed Construction Period Emissions

Average daily emissions were computed by dividing the total construction emissions by the number of construction workdays. Table 3 shows average daily construction emissions of ROG, NO_X, PM_{10} exhaust, and $PM_{2.5}$ exhaust during construction of the project. As indicated in Table 3, predicted project emissions would not exceed the BAAQMD significance thresholds.

Table 3. Project Construction Period Emissions (Uncontrolled and Controlled)

Scenario	ROG	NOx	PM_{10} Exhaust	$PM_{2.5}$ Exhaust
Uncontrolled Construction Emissions	0.13 tons	0.43 tons	0.022 tons	0.020 tons
Controlled Construction Emissions	0.11 tons	0.28 tons	0.002 tons	0.002 tons
Average Daily Controlled Emissions (pounds/day)[1]	2 lbs/day	5 lbs/day	0.03 lbs/day	0.03 lbs/day
BAAQMD Thresholds (pounds per day)	*54* lbs./day	*54* lbs./day	*82* lbs./day	*54* lbs./day
Exceed Threshold?	No	No	No	No

[1]Assumes 123 workdays.

Construction activities, particularly during site preparation and grading, would temporarily generate fugitive dust in the form of PM_{10} and $PM_{2.5}$. Sources of fugitive dust would include disturbed soils at the construction site and trucks carrying uncovered loads of soils. Unless properly controlled, vehicles leaving the site would deposit mud on local streets, which could be an additional source of airborne dust after it dries. The project would be required to implement the BAAQMD best management practices to reduce these emissions per the City of Oakland SCAs.

Operational Period Emissions

The CalEEMod model was used to compute operational air emissions from the project. Operational modeling using CalEEMod included existing and new uses, as described in Table 4.

Table 4. Summary of Project Land Use Inputs for Operation

Project Land Uses	Size	Units	Square Feet	Acreage
High School	400	Students	44,579	3.1*
User Define Recreational	1	User Define	4,216	--
Parking Lot	67	Spaces	27,580	--
Other Asphalt Surfaces	50.60	1,000sqft	50,602	--

*All acreage assigned to High School

Model Year

Emissions associated with vehicle travel depend on the year of analysis because emission control technology requirements are phased-in over time. Therefore, the earlier the year analyzed in the model, the higher the emission rates utilized by CalEEMod. This analysis assumed that the project would be fully built out and operating in the year 2021, while realistically, full operation could occur at later years.

Trip Generation Rates

CalEEMod allows the user to enter specific vehicle trip generation rates. Therefore, the project-specific trip generation rates were calculated from the data provided by the traffic consultant and input into the model.[7] The project would generate 432 daily automobile trips. The daily trip generation was calculated using the size of the project (i.e. number of school students) and the automobile trips. The adjusted daily trip rate would be 1.08 daily weekday trips. The Saturday and Sunday trip rates for school land uses are essentially 0. The default trip lengths and trip types specified by CalEEMod were used.

Energy

CalEEMod defaults for energy use were used, which include the 2016 Title 24 Building Standards. Since the project would reuse mostly constructed buildings, historical energy usage rates were selected in the model. GHG emissions modeling includes those indirect emissions from electricity consumption. The electricity produced emission rate was modified in CalEEMod.

[7] Kittelson, 2020. *EFC Derby Avenue Charter School Project Transportation Impact Review*. October 14.

CalEEMod has a default emission factor of 641.3 pounds of CO_2 per megawatt of electricity produced, which is based on PG&E's 2008 emissions rate. PG&E published in 2020 emissions rates for 2010 through 2018, which showed the emission rate for delivered electricity had been reduced to 206 pounds CO2 per megawatt of electricity delivered in the year 2018.[8] This intensity factor was used in CalEEMod for near-term project emissions. For beyond 2020, PG&E's intensity rate was computed for 2020 based on the trend in intensity rates from 2020 through 2018. This rate was computed to be 180 pounds CO2 per megawatt of electricity delivered for years beyond 2020.

Other Inputs

Default model assumptions for emissions associated with solid waste generation and water/wastewater use were applied to the project. Water/wastewater use was changed to 100% aerobic conditions to represent wastewater treatment plant conditions.

Summary of Computed Operational Period Emissions

Annual emissions were predicted using CalEEMod and daily emissions were estimating assuming 260 days of operation[9]. Table 5 shows average daily construction emissions of ROG, NO_X, total PM_{10}, and total $PM_{2.5}$ during operation of the project. The operational period emissions would not exceed the BAAQMD significance thresholds.

Table 5. Project Operational Period Emissions

Scenario	ROG	NOx	PM_{10}	$PM_{2.5}$
2022 Annual Project Operational Emissions (*tons/year*)	0.39 tons	1.13 tons	0.54 tons	0.15 tons
BAAQMD Thresholds (tons /year)	*10 tons*	*10 tons*	*15 tons*	*10 tons*
Exceed Threshold?	*No*	*No*	*No*	*No*
2022 Daily Project Operational Emissions (*pounds/day*)[1]	2.99 lbs.	8.67 lbs.	4.14 lbs.	1.15 lbs.
BAAQMD Thresholds (pounds/day)	*54* lbs.	*54* lbs.	*82* lbs.	*54* lbs.
Exceed Threshold?	*No*	*No*	*No*	*No*

Notes: [1] Assumes 5-day per week operation (260 days/year).

Impact AIR-2: Expose sensitive receptors to substantial pollutant concentrations?

Project impacts related to increased community risk can occur either by introducing a new source of TACs with the potential to adversely affect existing sensitive receptors in the project vicinity or by significantly exacerbating existing cumulative TAC impacts. This project would introduce new sources of TACs during construction (i.e., on-site construction and truck hauling emissions). During operation, the project would not have sources of localized TAC emissions. While the project would generate traffic (432 daily trips), these would be mostly automobile trips that have low rates of TAC emissions and would not lead to significant health risk impacts.

[8] PG&E, 2019. *Corporate Responsibility and Sustainability Report*. Web: http://www.pgecorp.com/corp_responsibility/reports/2019/assets/PGE_CRSR_2019.pdf

[9] CalEEMod predicts annual emissions, assuming 365-day operation; however, traffic is assumed to occur only 5 days per week throughout the year. Therefore, this assessment assumed 260 annual days of operation. Fewer operating days would have lower annual emissions than reported.

Community Risk Methodology for Construction

Community risk impacts were addressed by predicting increased cancer risk, the increase in annual $PM_{2.5}$ concentrations and computing the Hazard Index (HI) for non-cancer health risks. The risk impacts from the project is the combination of construction and operation sources. However, operation of the project would not cause measurable health risk impacts. Construction sources of TACs include diesel exhaust (or DPM) from on-site construction equipment operating and construction truck hauling. To evaluate the increased cancer risks from the project, a 30-year exposure period was assumed with the sensitive receptors being exposed to project construction and operation during this timeframe.

Impacts are assessed at the maximally exposed individual (MEI) receptor, identified as the sensitive receptor that is most affected by the project's emissions of TACs and $PM_{2.5}$. The methodology for computing community risks impacts is contained in *Attachment 1*. This involved the modeling of TAC and $PM_{2.5}$ emissions, dispersion modeling and cancer risk computations.

Modeled Sensitive Receptors

Receptors for this assessment included locations where sensitive populations would be present for extended periods of time (i.e., chronic exposures). This include all nearby residences and schools, as shown in Figure 1. Residential receptors are assumed to include all receptor groups (i.e. infants, children, and adults) with almost continuous exposure to project emissions. Community risks were also computed for nearby children attending Lazear Charter school (K – 8th grade) 300 feet southwest of the project site. International Community School (K – 5th grade) has classrooms about 400 feet or further north of the site.

Community Risks from Project Construction

Construction equipment and associated heavy-duty truck traffic generates diesel exhaust, which is a known TAC. Although it was concluded in the previous sections (see Table 4) that construction exhaust air pollutant emissions would not be considered to contribute substantially to existing or projected air quality violations, construction exhaust emissions may still pose health risks for sensitive receptors such as surrounding residents. The primary community risk impact issues associated with construction emissions are cancer risk and exposure to $PM_{2.5}$. Diesel exhaust poses both a potential health and nuisance impact to nearby receptors. A community risk assessment of the project construction activities was conducted that evaluated potential health effects to nearby sensitive receptors from construction emissions of DPM and $PM_{2.5}$.[10] This assessment included dispersion modeling to predict the off-site concentrations resulting from project construction, so that lifetime cancer risks and non-cancer health effects could be evaluated.

Construction Emissions

The CalEEMod model provided total annual PM_{10} exhaust emissions (assumed to be DPM) for the off-road construction equipment and for exhaust emissions from on-road vehicles, with total emissions from all construction stages of 0.0218 tons (44 pounds) uncontrolled and 0.00115 tons

[10] DPM is identified by California as a toxic air contaminant due to the potential to cause cancer.

(2.3 pounds) controlled. The on-road emissions are a result of haul truck travel during demolition and grading activities, worker travel, and vendor deliveries during construction. Fugitive $PM_{2.5}$ dust emissions were calculated by CalEEMod as 0.002 tons (4 pounds) uncontrolled and 0.00163 tons (3.3 pounds) controlled.

Dispersion Modeling

The U.S. EPA AERMOD dispersion model was used to predict DPM and $PM_{2.5}$ concentrations at sensitive receptors (residences, schools) in the vicinity of the project construction area. The AERMOD dispersion model is a BAAQMD-recommended model for use in modeling analysis of these types of emission activities for CEQA projects.[11] Emission sources for the construction site were grouped into two categories: exhaust emissions of DPM and fugitive $PM_{2.5}$ dust emissions. The AERMOD modeling utilized two area sources to represent the on-site construction emissions, one for exhaust DPM emissions and one for fugitive $PM_{2.5}$ dust emissions.

To represent the construction equipment exhaust emissions, an emission release height of 20 feet (6 meters) was used for the area sources.[12] The elevated source height reflects the height of the equipment exhaust pipes plus an additional distance for the height of the exhaust plume above the exhaust pipes to account for plume rise of the exhaust gases. For modeling fugitive $PM_{2.5}$ emissions, a near-ground level release height of 7 feet (2 meters) was used for the area source. Emissions from the construction equipment and on-road vehicle travel were distributed throughout the modeled area sources. Construction emissions were modeled as occurring daily between 7:00 a.m. to 4:00 p.m. when the majority of construction activity would occur. Due to terrain elevation differences in the project area, terrain was included in the AERMOD modeling.

The modeling used a 5-year meteorological data set (2013-2017) from the Oakland International Airport prepared for use with the AERMOD model by BAAQMD. Annual DPM and $PM_{2.5}$ concentrations from construction activities during the 2022 period were calculated using the model. DPM and $PM_{2.5}$ concentrations were calculated at nearby sensitive receptor locations. Receptor heights of 5 feet (1.5 meters) and 15 feet (4.5 meters) were used to represent the breathing heights on the first and second floors of nearby residences. [13] A receptor height of 3.3 feet (1.0 meter) and 13 feet (4 meters) was used for modeling impacts to children at the nearby schools.

Summary of Construction Community Risk Impacts

The increased cancer risk calculations were based on applying the BAAQMD recommended age sensitivity factors to the TAC concentrations, as described in *Attachment 1*. Age-sensitivity factors reflect the greater sensitivity of infants and small children to cancer causing TACs. Infant and adult exposures were assumed to occur at all residences during the entire construction period. Students

[11] Bay Area Air Quality Management District (BAAQMD), 2012, *Recommended Methods for Screening and Modeling Local Risks and Hazards, Version 3.0.* May.
[12] California Air Resource Board, 2007. *Proposed Regulation for In-Use Off-Road Diesel Vehicles, Appendix D: Health Risk Methodology*. April. Web: https://ww3.arb.ca.gov/regact/2007/ordiesl07/ordiesl07.htm
[13] Bay Area Air Quality Management District, 2012, Recommended Methods for Screening and Modeling Local Risks and Hazards, Version 3.0. May. Web: https://www.baaqmd.gov/~/media/files/planning-and-research/ceqa/risk-modeling-approach-may-2012.pdf?la=en

at the Lazear Charter School and International Community School were assumed to be children 5 years of age and older. The child (ages 2 through 16 years old) cancer risk parameters were used to calculate the increased cancer risk for these students.

The maximum modeled annual $PM_{2.5}$ concentration was calculated based on combined exhaust and fugitive concentrations. The maximum computed HI values was based on the ratio of the maximum DPM concentration modeled and the chronic inhalation refence exposure level of 5 $\mu g/m^3$. *Attachment 3* to this report includes the emission calculations used for the construction modeling and the cancer risk calculations.

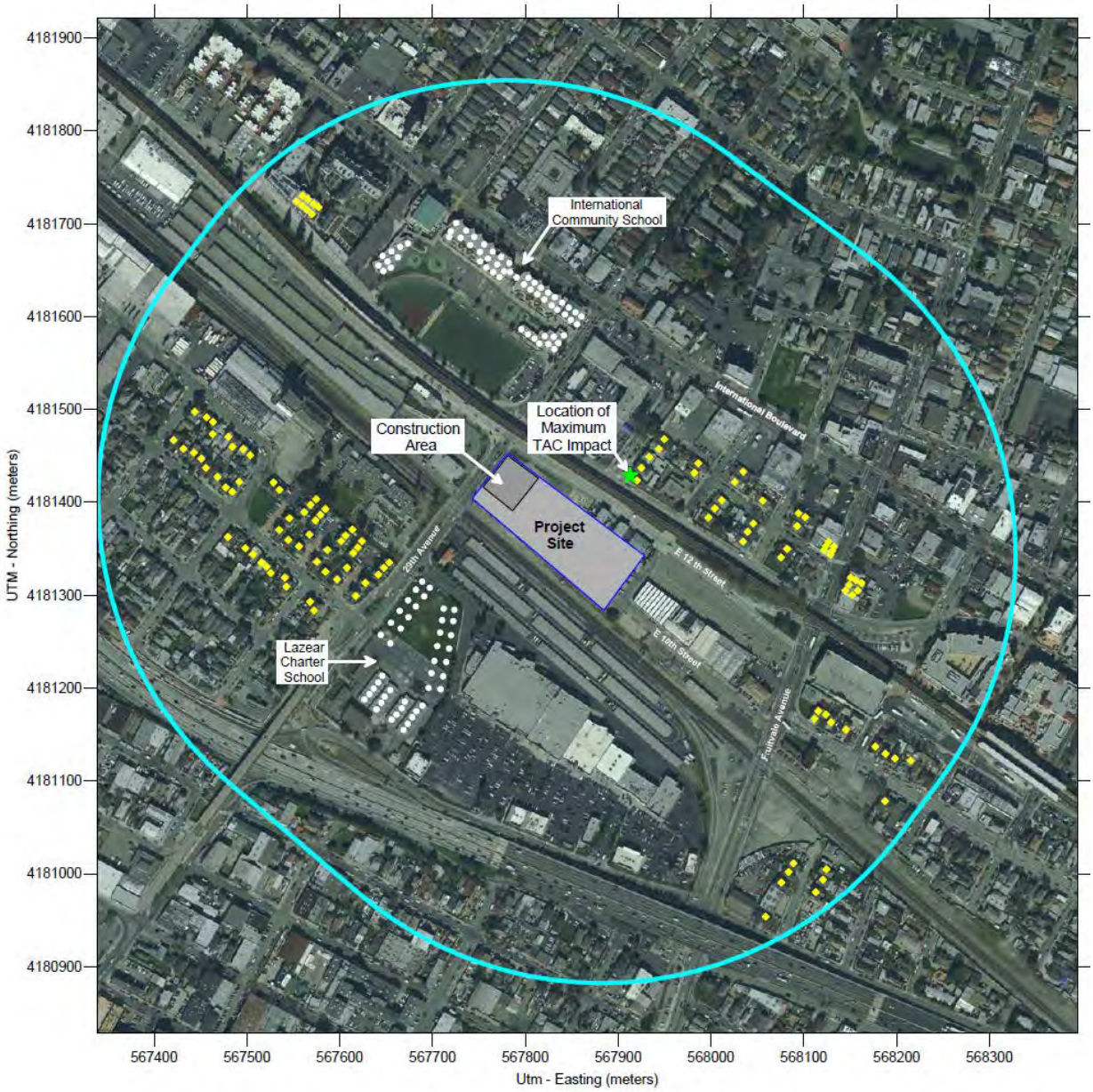
Figure 3 shows the locations of the maximum-modeled DPM and $PM_{2.5}$ concentrations from construction activities. The maximum concentrations for both TACs occurred at a single-family residence at the northeast corner of 30th Avenue and 12th Street. The maximum increased cancer risk at the location of the maximally exposed individual (MEI) was calculated using the annual modeled DPM concentration and using BAAQMD recommended methods for calculation health risks. The increased cancer risk would exceed the BAAQMD single-source thresholds for community risks. The annual $PM_{2.5}$ concentration and HI value, uncontrolled or with SCAs, would not exceed the BAAQMD single-source thresholds. Table 6 lists the community risks from construction at the MEI without any SCAs (uncontrolled emissions) and with the SCA that assumes all the diesel-powered construction equipment engines are rated Tier 4. With all Tier 4 rated equipment, the construction-related risks and hazards do not exceed the BAAQMD single-source thresholds. *Attachment 1* describes the methods used to compute cancer risks, annual PM2.5 concentrations and hazard index. *Attachment 2* includes the CalEEMod modeling to estimate construction emissions and *Attachment 3* provides the data and calculations used to compute the risk impacts.

Table 6. Construction Risk Impacts at the Off-site Residential MEI

Source	Cancer Risk (per million)	Annual $PM_{2.5}$ ($\mu g/m^3$)	Hazard Index
Maximum Residential Risk			
Uncontrolled	**18.4 (infant)**	0.12	0.02
w/ Standard Conditions of Approval	1.0 (infant)	0.06	<0.01
Maximum School Child Risk			
Uncontrolled	**3.5 (child)**	0.06	0.01
w/ Standard Conditions of Approval	1.1 (child)	0.02	<0.01
BAAQMD Single-Source Threshold	***10.0***	***0.3***	***1.0***
Exceed Threshold? Uncontrolled	***Yes***	*No*	*No*
w/ Standard Conditions of Approval	*No*	*No*	*No*

Additionally, modeling was conducted to predict the cancer risks, non-cancer health hazards, and maximum $PM_{2.5}$ concentrations associated with construction activities at the nearby schools. The maximum increased cancer risks were adjusted using child exposure parameters. The uncontrolled cancer risk, $PM_{2.5}$ concentration, and HI at the nearby schools do not exceed their respective BAAQMD single-source significance thresholds, as shown in Table 6.

Figure 3. Project Construction Sites, Locations of Off-Site Sensitive Receptors, and Maximum TAC Impacts



Operational Community Health Risk Impacts – New Project Students

Health risk impacts to new students attending the Project school were evaluated by considering sources of TAC or $PM_{2.5}$ emissions within a quarter mile of the project site. Within the one-quarter mile influence area, there is Interstate 880, several roadways with traffic volumes over 10,000 ADT, the UPRR line, and four stationary sources permitted by BAAQMD identified on the *Permitted Stationary Sources 2018* GIS website. A public records request was made to BAAMQD to confirm the presence of these sources within the one-quarter mile influence area. BAAQMD

confirmed location of stationary sources within one-quarter mile from the school project site.[14] In addition, there is a shopping center with truck loading docks south of the project site.

Union Pacific Railroad (UPRR)

The Union Pacific Railroad line lies adjacent to the southwest boundary of the project site. Trains traveling on these lines generate TAC and $PM_{2.5}$ emissions from diesel locomotives. Due to the close proximity of the rail line to the proposed project, potential community risks to future students from DPM emissions from diesel locomotive engines were evaluated.

According to the U.S. DOT Crossing Inventory Form, there are 20 thru trains and 4 switching locomotives that pass the site each day[15]. The track serves both intercity passenger and freight trains. Amtrak's Capitol Corridor and Coast Starlight passenger trains use this rail line. Based on Amtrak's schedule, the Amtrak Capitol Corridor, which provides service between Sacramento/Auburn and San Jose, has 18 weekday trains and 15 weekend trains on these rail lines. The Coast Starlight operates between Seattle and Los Angeles, with 2 daily trains. All trains are assumed to use diesel-powered locomotives.

DPM and $PM_{2.5}$ emissions from trains on the rail line were calculated using EPA emission factors for locomotives[16] and CARB adjustment factors to account for fuels used in California.[17] For passenger trains it was assumed that these trains use 3,200 hp diesel locomotives and would continue to do so in the future. Each passenger train was assumed to use one locomotive and would be traveling at an average speed of 40 mph in the vicinity of the project site. Emissions from freight trains were calculated assuming they would use two locomotives with 2,300 hp engines (total of 4,600 hp) and would be traveling at about 40 mph. The EPA emission factors for passenger and freight train locomotives are based on expected fleet compositions (engine Tier level and horsepower) and operational activity (time in notch) for the years 2006 through 2040. The emissions factors for year 2022 were used for this assessment. Emissions from train fleets will decrease over time due to replacement of older locomotives with new less polluting locomotives and from regulatory requirements for locomotives to reduce emissions. This effect was not included in the analysis; therefore, a conservative health risk evaluation is presented.

Since the exposure period for calculating cancer risks to school children is 4 years, passenger and freight train average DPM and $PM_{2.5}$ emissions for 2022 were conservatively assumed to represent emissions over the entire exposure period. DPM emissions from diesel-fueled locomotives will be reduced over time due to regulatory requirements for reduced particulate matter emissions from diesel locomotives.

---

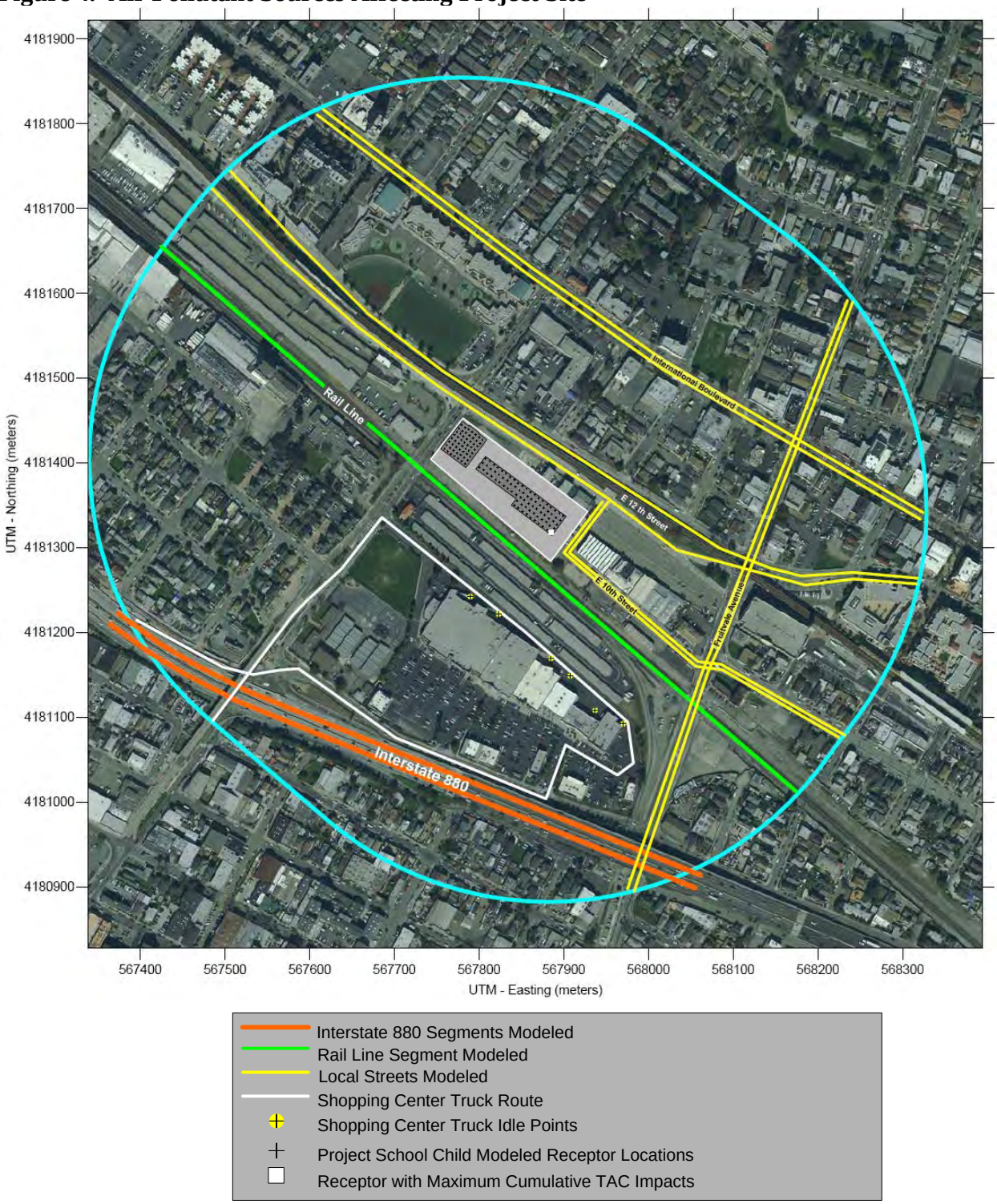
[14] Email correspondence with Eric Chan, BAAQMD, December 17, 2020

[15] U.S. DOT. 2021. https://safetydata.fra.dot.gov/OfficeofSafety/PublicSite/Crossing/Xingqryloc.aspx Accessed 3/17/2021. Crossing Inventory Number 749621T for 29th Ave.

[16] U.S. EPA, 2009. *Emission Factors for Locomotives* (EPA-420-F-09-025).

[17] CARB, *2006. Offroad Modeling, Change Technical Memo, Changes to the Locomotive Inventory*. July.

Figure 4. Air Pollutant Sources Affecting Project Site



Modeling of locomotive emissions was conducted using the AERMOD dispersion model, as described previously. Locomotive emissions from train travel within about one-quarter mile of the project site was modeled as a single line source comprised of a series of adjacent volume sources along the centerline of the rail lines near the project site. Concentrations were calculated at receptor locations placed within the proposed project site. Receptor heights of 1.5 meters (5 feet), representative of breathing heights for high school students were used in the modeling. Figure 4 shows the railroad line segment used for the modeling and receptor locations at the project site where concentrations were calculated.

Using the modeled onsite concentrations, increased cancer risks, non-cancer health effects, and $PM_{2.5}$ concentrations were calculated. Table 7 includes the rail line risks and hazards at the location of the on-site student MEI. The rail emission rates and rail line health risk calculations used in the project impact analysis are shown in *Attachment 4*.

Local Roadway Sources

A review of the project traffic study identified several local roadways that have traffic volumes of about 10,000 average daily trips (ADT) per day or greater. Traffic ADT estimates were computed by assuming the ADT was ten times the average peak-hour volume. These include:

- 29th Avenue with ADT=13,460,
- E. 12th Street with ADT = 10,105,
- Fruitvale Avenue with ADT = 15, 130,
- E. 10th Street/San Leandro Street with ADT = 7,725, and
- International Boulevard with ADT = 21,000

This analysis involved the development of DPM, organic TACs, and $PM_{2.5}$ emissions for traffic on these roadways using the Caltrans (CT) version of the EMFAC2017 emissions model, known as CT-EMFAC2017. CT-EMFAC2017 provides emission factors for mobile source criteria pollutants and TACs, including DPM. Emission processes modeled include running exhaust for DPM, $PM_{2.5}$ and total organic compounds (e.g., TOG), running evaporative losses for TOG, and tire and brake wear and fugitive road dust for $PM_{2.5}$. In evaluating $PM_{2.5}$ impacts all $PM_{2.5}$ emissions from all vehicles were used, rather than just the $PM_{2.5}$ fraction from diesel powered vehicles, because all vehicle types (i.e., gasoline and diesel powered) produce $PM_{2.5}$. Additionally, $PM_{2.5}$ emissions from vehicle tire and brake wear from re-entrained roadway dust were included in these emissions. DPM emissions are projected to decrease in the future and are reflected in the CT-EMFAC2017 emissions data. Inputs to the model include region (i.e., Alameda County), type of road (i.e., major/collector), truck percentage for non-state highways in Alameda County (4.1 percent),[18] traffic mix assigned by EMFAC2017 for the county, year of analysis (2022 – project full operational year), and season (annual).

The average hourly traffic distributions for Alameda County roadways were developed using the

[18] Bay Area Air Quality Management District, 2012, *Recommended Methods for Screening and Modeling Local Risks and Hazards, Version 3.0.* May. Web: https://www.baaqmd.gov/~/media/files/planning-and-research/ceqa/risk-modeling-approach-may-2012.pdf?la=en

EMFAC model,[19] which were then applied to the trip volumes to obtain estimated hourly traffic volumes and emissions for the roadways. For all hours of the day, other than during peak a.m. and p.m. periods, average speeds of 25 mph were assumed for all vehicles based on posted speed limits on the roadways. Traffic speeds during the peak a.m. and p.m. periods were assumed to be 5 miles per hour slower to account for congestion and the amount of access in the area.

Operational traffic roadway travel emissions were modeled with the AERMOD model using line-volume sources (a series of adjacent volume sources along the roadway) to represent traffic emissions on roadway segments within about one-quarter mile of the project site. Figure 4 shows the project roadway segments modeled and on-site student receptor locations that were used in the modeling. Using the modeled onsite concentrations increased cancer risks, non-cancer health effects, and $PM_{2.5}$ concentrations were calculated. Table 12 lists the project roadway risks and hazards at the location of the on-site student MEI. The emission rates and roadway calculations used in the project impact analysis are shown in *Attachment 4*.

Interstate 880

Interstate 880 lies about 900 feet southwest of the project site. In the project area, I-880 has a traffic volume of 213,700 ADT, as reported by the California Department of Transportation (Caltrans).[20] A review of the Caltrans truck traffic information indicates that about 9.60 percent of the traffic is truck traffic, of which 6.69 percent are considered heavy duty trucks and 3.01 percent are medium duty trucks.[21]

DPM, organic TACs, and $PM_{2.5}$ emissions for traffic on I-880 were computed using CT-EMFAC2017 2020 emission factors the traffic mix developed from Caltrans data. DPM, organic TACs, and PM2.5 emissions for traffic on I-880 were computed using the CARB EMFAC2017 emission factor model and the traffic mix developed from Caltrans data.

Average hourly traffic distributions for Alameda County roadways were developed using the EMFAC model,[22] which were then applied to the average daily traffic volumes to obtain estimated hourly traffic volumes and emissions for I-880. For all hours of the day, other than during peak a.m. and p.m. periods, an average speed of 65 mph was assumed for all vehicles. Based on data from the Alameda County Transportation Commission 2018 Level of Service Monitoring report, traffic speeds during the peak a.m. and p.m. periods were identified. Average travel speeds of 20 mph and 50 mph were used for a.m. and p.m. peak period northbound traffic, respectively. Average travel speeds of 50 mph and 30 mph were used for peak a.m. and p.m. southbound traffic, respectively.

---

[19] The Burden output from EMFAC2007, a previous version of CARB's EMFAC model, was used for this since the current web-based version of EMFAC2017 does not include Burden type output with hour by hour traffic volume information.

[20] California Department of Transportation. 2020. *2019 Traffic Volumes on California State Highways*

[21] California Department of Transportation. 2020. *2019 Annual Average Daily Truck Traffic on the California State Highway System.*

[22] The Burden output from EMFAC2007, CARB's previous version of the EMFAC model, was used for this since the current web-based version of EMFAC2011 does not include Burden type output with hour by hour traffic volume information.

Dispersion modeling of TAC and $PM_{2.5}$ emissions was conducted using the U.S. EPA AERMOD model. North- and south-bound traffic on I-880 within about one-quarter mile of the project site was evaluated with the model. Vehicle traffic on the I-880 was modeled as a series of adjacent volume sources along a line (line volume sources), with line segments used for each travel direction as shown in Figure 4. The modeling used a five-year data set (2013-2017) of hourly meteorological data from Oakland International Airport prepared by CARB for use with the AERMOD model. Other inputs to the model included road geometry and elevations, volume source information, hourly traffic emissions, and onsite receptor locations. Using the modeled onsite concentrations, increased cancer risks, non-cancer health effects, and $PM_{2.5}$ concentrations were calculated. Table 12 lists the I-880 risks and hazards at the location of the on-site student MEI. The emission rates and I-880 health risk calculations used in the project impact analysis are shown in *Attachment 4*.

Shopping Center Loading Docks

A shopping center with numerous stores, including a grocery store lies about 250 feet south of the project site. The loading docks at the shopping center are a source of truck traffic and DPM emissions from truck travel and idling. The shopping center tenants were assumed to generate 7 truck deliveries per day (14 truck trips per day). Emissions rates from these truck trips were computed using the CT-Emfac2017 model, previously described. While traveling offsite the trucks were assumed to travel at 20 mph and 15 mph while traveling on site. The trucks were assumed to idle for 10 minutes per delivery to the site. Idle emission rates were computed based on CT-Emfac2017 emission factors for 5 mph.

Offsite and onsite truck travel was modeled in a similar manner as described above for local roadway travel. The AERMOD model was used, and the truck travel routes were modeled as line volume sources. Truck idling emissions were modeled as discrete point sources at the loading areas. Figure 4 shows the offsite and onsite truck travel routes and point source locations that were used in the modeling. Using the modeled concentrations at the project onsite receptors, increased cancer risks, non-cancer health effects, and $PM_{2.5}$ concentrations were calculated. Table 12 lists the shopping center trucks risks and hazards at the location of the on-site student MEI. The emission rate calculations and health risk calculations used in the project impact analysis are shown in *Attachment 4*.

Stationary Sources

Stationary sources were identified within the one quarter mile influence area initially using BAAQMD's Permitted Stationary Sources 2018 GIS website.[23] The presence of these sources and presence of other potential sources were confirmed by BAAQMD. Screening risk values and emissions rates were also provided by BAAQMD. Figure 1 shows the project site in relationship to stationary sources of air pollution identified by BAAQMD that are within ¼ mile of the project site. Stationary sources in the project vicinity include a shopping center store (Food Max) with diesel standby generator, a Shell gasoline dispensing facility, and several auto body shots that have negligible emissions but may include a paint spray booth that is permitted by the District.

[23] BAAQMD, https://baaqmd.maps.arcgis.com/apps/webappviewer/index.html?id=2387ae674013413f987b1071715daa65

The screening level risks and hazards for the stationary sources were adjusted for distance using BAAQMD's *Distance Adjustment Multiplier Tool for Diesel Internal Combustion Engines and Gasoline Dispensing Facility*. Note that no age-sensitivity factors were included in the screening analysis, so risks would be similar or lower if adjustments were included.

Summary of Community Risks at the Project Site

Community risk impacts from the TAC sources upon the project site are reported in Table 7. Methods for describing the health risks contained in the table are described in Attachment 1. Attachment 4 includes the data and calculations used to develop these risk levels for each source. The risks from the singular TAC sources are compared against the BAAQMD single-source threshold. The risks from all the sources are then combined and compared against the BAAQMD cumulative-source threshold. As shown in Table 7, the increased cancer risk from all sources at the project site are below the thresholds. Traffic on 29th Avenue causes annual $PM_{2.5}$ concentrations to exceed the single source threshold at a portion of the site. However, the $PM_{2.5}$ concentrations from combined sources (roadways, UPRR and stationary sources, including the shopping center loading docks, would not exceed the cumulative source thresholds. $PM_{2.5}$ concentrations would only exceed the thresholds at the portion of the site closest to 29th Avenue where school offices and the proposed multi-purpose building would be located.

Table 7. Cumulative Community Risk Impacts Upon the Onsite Sensitive Receptors

Source	Maximum Cancer Risk (per million)	$PM_{2.5}$ concentration ($\mu g/m^3$)	Hazard Index
Interstate 880	1.64	0.152	0.003
Rail Line	3.08	0.046	0.009
10th Street/San Leandro Street	0.15	0.050	0.000
12th Street	0.30	0.098	0.000
29th Avenue	0.91	**0.373**	0.001
Fruitvale Avenue	0.06	0.015	0.000
International Blvd	0.11	0.034	0.000
Shopping Center Trucks	0.01	<0.01	<0.01
Food Max #484 (Facility ID #18337, Generator) Project Distance at 300 feet	0.00	0.00	0.00
Portwood Shell #135696 (Facility ID #107000, Gas Dispensing Facility) Project Distance at 970 feet	0.08	0.00	<0.02
Several Auto body shops (Facility ID #18579, 18839, 21544)	0.00	0.00	0.00
Combination of All Sources*	6.34	0.77	0.01
BAAQMD Single-Source Threshold	***>10.0***	***>0.3***	***>1.0***
Exceed Threshold?	*No*	***Yes***	*No*
BAAQMD Cumulative Source Threshold	***>100***	***>0.8***	***>10.0***
Exceed Threshold?	*No*	*No*	*No*

* Total from all sources independent of where the maximum impacts occur.

Conclusions and Recommendations

The City's SCA #19 - *Exposure to Air Pollution (Toxic Air Contaminants) - Health Risk Reduction Measures* - requires projects near sources of toxic air contaminants to perform a health risk assessment and, if necessary, incorporate appropriate measures into the project design in order to reduce the potential health risk due to exposure to toxic air contaminants. The health risk assessment for this project identified a portion of the project site that is above the threshold for annual $PM_{2.5}$ concentrations caused by a single source.

Table 7 summarized the maximum increased cancer risks and annual $PM_{2.5}$ concentrations at the project site. Since a portion of the project site where offices and the new multi-purpose building would be located have predicted annual $PM_{2.5}$ concentrations that exceed single source thresholds, control features should be incorporated. Specifically, HVAC systems with high efficiency particulate filters, or MERV 13 filters, should be included in the ventilation design for that floor, along with weatherproofing windows and doors, installation of passive electrostatic filtering systems, and adoption of a maintenance plan for the HVAC and air filtration systems. Maximum $PM_{2.5}$ concentrations across this area would be 0.37 $\mu g/m^3$, which exceed the threshold of 0.3 $\mu g/m^3$.

The U.S. EPA reports particle size removal efficiency for filters rated MERV 13 of 90 percent for particles in the size range of 1 to 3 µm and less than 75 percent for particles 0.3 to 1 µm.[24,25] The BAAQMD's *Planning Healthy Places* guidance indicates that MERV 13 air filtration devices installed on an HVAC air intake system can remove 80-90 percent of indoor particulate matter (greater than 0.3 microns in diameter).[26] A properly installed and operated ventilation system with MERV 13 air filters would reduce DPM and $PM_{2.5}$ concentrations by 80 percent or greater indoors when compared to outdoors.

However, the overall effectiveness of the MERV 13 filtration systems is conservatively considered to be approximately 70 percent, assuming two hours of outdoor exposure onsite plus one hour of open windows (calculated as outdoor exposure) per day. With the filtration system, annual $PM_{2.5}$ concentrations from 29th Ave are estimated to be less than 0.1 $\mu g/m^3$, which is below the BAAQMD single-source threshold of less than 0.3 $\mu g/m^3$.

[24] American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc., 2007. *Method of Testing General Ventilation Air-Cleaning Devices for Removal Efficiency by Particle Size*. ANSI/ASHRAE Addendum b to Standard 52.2-2007.
[25] United States Environmental Protection Agency (U.S. EPA), 2009. *Residential Air Cleaners (Second Edition): A Summary of Available Information*. U.S. EPA 402-F-09-002. Revised August 2009.
[26] Bay Area Air Quality Management District (BAAQMD), 2016. *Planning Healthy Places, A Guidebook for addressing local sources of air pollutants in community planning*. May.

GREENHOUSE GAS EMISSIONS

Setting

Gases that trap heat in the atmosphere, GHGs, regulate the earth's temperature. This phenomenon, known as the greenhouse effect, is responsible for maintaining a habitable climate. The most common GHGs are carbon dioxide (CO_2) and water vapor but there are also several others, most importantly methane (CH_4), nitrous oxide (N_2O), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulfur hexafluoride (SF_6). These are released into the earth's atmosphere through a variety of natural processes and human activities. Sources of GHGs are generally as follows:

- CO_2, CH_4, and N_2O are byproducts of fossil fuel combustion.
- N_2O is associated with agricultural operations such as fertilization of crops.
- CH_4 is commonly created by off-gassing from agricultural practices (e.g., keeping livestock) and landfill operations.
- Chlorofluorocarbons (CFCs) were widely used as refrigerants, propellants, and cleaning solvents but their production has been stopped by international treaty.
- HFCs are now used as a substitute for CFCs in refrigeration and cooling.
- PFCs and sulfur hexafluoride emissions are commonly created by industries such as aluminum production and semi-conductor manufacturing.

Each GHG has its own potency and effect upon the earth's energy balance. This is expressed in terms of a global warming potential (GWP), with CO_2 being assigned a value of 1 and sulfur hexafluoride being several orders of magnitude stronger. In GHG emission inventories, the weight of each gas is multiplied by its GWP and is measured in units of CO_2 equivalents (CO_2e).

An expanding body of scientific research supports the theory that global climate change is currently affecting changes in weather patterns, average sea level, ocean acidification, chemical reaction rates, and precipitation rates, and that it will increasingly do so in the future. The climate and several naturally occurring resources within California are adversely affected by the global warming trend. Increased precipitation and sea level rise will increase coastal flooding, saltwater intrusion, and degradation of wetlands. Mass migration and/or loss of plant and animal species could also occur. Potential effects of global climate change that could adversely affect human health include more extreme heat waves and heat-related stress; an increase in climate-sensitive diseases; more frequent and intense natural disasters such as flooding, hurricanes and drought; and increased levels of air pollution.

Recent Regulatory Actions for GHG Emissions

Executive Order S-3-05 – California GHG Reduction Targets

Executive Order (EO) S-3-05 was signed by Governor Arnold Schwarzenegger in 2005 to set GHG emission reduction targets for California. The three targets established by this EO are as follows: (1) reduce California's GHG emissions to 2000 levels by 2010, (2) reduce California's GHG emissions to 1990 levels by 2020, and (3) reduce California's GHG emissions by 80 percent below 1990 levels by 2050.

Assembly Bill 32 – California Global Warming Solutions Act (2006)

Assembly Bill (AB) 32, the Global Warming Solutions Act of 2006, codified the State's GHG emissions target by directing CARB to reduce the State's global warming emissions to 1990 levels by 2020. AB 32 was signed and passed into law by Governor Schwarzenegger on September 27, 2006. Since that time, the CARB, CEC, California Public Utilities Commission (CPUC), and Building Standards Commission have all been developing regulations that will help meet the goals of AB 32 and Executive Order S-3-05, which has a target of reducing GHG emissions 80 percent below 1990 levels.

A Scoping Plan for AB 32 was adopted by CARB in December 2008. It contains the State's main strategies to reduce GHGs from business-as-usual emissions projected in 2020 back down to 1990 levels. Business-as-usual (BAU) is the projected emissions in 2020, including increases in emissions caused by growth, without any GHG reduction measures. The Scoping Plan has a range of GHG reduction actions, including direct regulations, alternative compliance mechanisms, monetary and non-monetary incentives, voluntary actions, and market-based mechanisms such as a cap-and-trade system.

As directed by AB 32, CARB has also approved a statewide GHG emissions limit. On December 6, 2007, CARB staff resolved an amount of 427 million metric tons (MMT) of CO_2e as the total statewide GHG 1990 emissions level and 2020 emissions limit. The limit is a cumulative statewide limit, not a sector- or facility-specific limit. CARB updated the future 2020 BAU annual emissions forecast, in light of the economic downturn, to 545 MMT of CO_2e. Two GHG emissions reduction measures currently enacted that were not previously included in the 2008 Scoping Plan baseline inventory were included, further reducing the baseline inventory to 507 MMT of CO_2e. Thus, an estimated reduction of 80 MMT of CO_2e is necessary to reduce statewide emissions to meet the AB 32 target by 2020.

Executive Order B-30-15 & Senate Bill 32 GHG Reduction Targets – 2030 GHG Reduction Target

In April 2015, Governor Brown signed EO B-30-15, which extended the goals of AB 32, setting a greenhouse gas emissions target at 40 percent of 1990 levels by 2030. On September 8, 2016, Governor Brown signed Senate Bill (SB) 32, which legislatively established the GHG reduction target of 40 percent of 1990 levels by 2030. In November 2017, CARB issued *California's 2017 Climate Change Scoping Plan*.[27] While the State is on track to exceed the AB 32 scoping plan 2020 targets, this plan is an update to reflect the enacted SB 32 reduction target.

SB 32 was passed in 2016, which codified a 2030 GHG emissions reduction target of 40 percent below 1990 levels. CARB is currently working on a second update to the Scoping Plan to reflect the 2030 target set by Executive Order B-30-15 and codified by SB 32. The proposed Scoping Plan Update was published on January 20, 2017 as directed by SB 32 companion legislation AB 197. The mid-term 2030 target is considered critical by CARB on the path to obtaining an even deeper GHG emissions target of 80 percent below 1990 levels by 2050, as directed in Executive

[27] California Air Resource Board, 2017. *California's 2017 Climate Change Scoping Plan: The Strategy for Achieving California's 2030 Greenhouse Gas Targets.* November. Web: https://ww2.arb.ca.gov/sites/default/files/classic//cc/scopingplan/scoping_plan_2017.pdf

Order S-3-05. The Scoping Plan outlines the suite of policy measures, regulations, planning efforts, and investments in clean technologies and infrastructure, providing a blueprint to continue driving down GHG emissions and obtain the statewide goals.

The new Scoping Plan establishes a strategy that will reduce GHG emissions in California to meet the 2030 target (note that the AB 32 Scoping Plan only addressed 2020 targets and a long-term goal). Key features of this plan are:

- Cap and Trade program places a firm limit on 80 percent of the State's emissions;
- Achieving a 50-percent Renewable Portfolio Standard by 2030 (currently at about 29 percent statewide);
- Increase energy efficiency in existing buildings;
- Develop fuels with an 18-percent reduction in carbon intensity;
- Develop more high-density, transit-oriented housing;
- Develop walkable and bikable communities;
- Greatly increase the number of electric vehicles on the road and reduce oil demand in half;
- Increase zero-emissions transit so that 100 percent of new buses are zero emissions;
- Reduce freight-related emissions by transitioning to zero emissions where feasible and near-zero emissions with renewable fuels everywhere else; and
- Reduce "super pollutants" by reducing methane and hydrofluorocarbons or HFCs by 40 percent.

In the updated Scoping Plan, CARB recommends statewide targets of no more than 6 metric tons CO_2e per capita (statewide) by 2030 and no more than 2 metric tons CO_2e per capita by 2050. The statewide per capita targets account for all emissions sectors in the State, statewide population forecasts, and the statewide reductions necessary to achieve the 2030 statewide target under SB 32 and the longer-term State emissions reduction goal of 80 percent below 1990 levels by 2050.

Executive Order B-55-18 – Carbon Neutrality

In 2018, a new statewide goal was established to achieve carbon neutrality as soon as possible, but no later than 2045, and to maintain net negative emissions thereafter. CARB and other relevant state agencies are tasked with establishing sequestration targets and create policies/programs that would meet this goal.

Senate Bill 375 – California's Regional Transportation and Land Use Planning Efforts (2008)

California enacted legislation (SB 375) to expand the efforts of AB 32 by controlling indirect GHG emissions caused by urban sprawl. SB 375 provides incentives for local governments and applicants to implement new conscientiously planned growth patterns. This includes incentives for creating attractive, walkable, and sustainable communities and revitalizing existing communities. The legislation also allows applicants to bypass certain environmental reviews under CEQA if they build projects consistent with the new sustainable community strategies. Development of more alternative transportation options that would reduce vehicle trips and miles traveled, along with traffic congestion, would be encouraged. SB 375 enhances CARB's ability to reach the AB 32 goals by directing the agency in developing regional GHG emission reduction targets to be

achieved from the transportation sector for 2020 and 2035. CARB works with the metropolitan planning organizations (e.g. Association of Bay Area Governments [ABAG] and Metropolitan Transportation Commission [MTC]) to align their regional transportation, housing, and land use plans to reduce vehicle miles traveled and demonstrate the region's ability to attain its GHG reduction targets. A similar process is used to reduce transportation emissions of ozone precursor pollutants in the Bay Area.

Senate Bill 350 - Renewable Portfolio Standards

In September 2015, the California Legislature passed SB 350, which increases the states Renewables Portfolio Standard (RPS) for content of electrical generation from the 33 percent target for 2020 to a 50 percent renewables target by 2030.

Senate Bill 100 – Current Renewable Portfolio Standards

In September 2018, SB 100 was signed by Governor Brown to revise California's RPS program goals, furthering California's focus on using renewable energy and carbon-free power sources for its energy needs. The bill would require all California utilities to supply a specific percentage of their retail sales from renewable resources by certain target years. By December 31, 2024, 44 percent of the retails sales would need to be from renewable energy sources, by December 31, 2026 the target would be 40 percent, by December 31, 2017 the target would be 52 percent, and by December 31, 2030 the target would be 60 percent. By December 31, 2045, all California utilities would be required to supply retail electricity that is 100 percent carbon-free and sourced from eligible renewable energy resource to all California end-use customers.

California Building Standards Code – Title 24 Part 11 & Part 6

The California Green Building Standards Code (CALGreen Code) is part of the California Building Standards Code under Title 24, Part 11.[28] The CALGreen Code encourages sustainable construction standards that involve planning/design, energy efficiency, water efficiency resource efficiency, and environmental quality. These green building standard codes are mandatory statewide and are applicable to residential and non-residential developments. The most recent CALGreen Code (2019 California Building Standard Code) was effective as of January 1, 2020.

The California Building Energy Efficiency Standards (California Energy Code) is under Title 24, Part 6 and is overseen by the California Energy Commission (CEC). This code includes design requirements to conserve energy in new residential and non-residential developments, while being cost effective for homeowners. This Energy Code is enforced and verified by cities during the planning and building permit process. The current energy efficiency standards (2019 Energy Code) replaced the 2016 Energy Code as of January 1,2020. Under the 2019 standards, single-family homes are predicted to be 53 percent more efficient than homes built under the 2016 standard due more stringent energy-efficiency standards and mandatory installation of solar photovoltaic

[28] See: https://www.dgs.ca.gov/BSC/Resources/Page-Content/Building-Standards-Commission-Resources-List-Folder/CALGreen#:~:text=CALGreen%20is%20the%20first%2Din,to%201990%20levels%20by%202020.

systems. For nonresidential developments, it is predicted that these buildings will use 30 percent less energy due to lightening upgrades.[29]

Federal and Statewide GHG Emissions

The U.S. EPA reported that in 2018, total gross nationwide GHG emissions were 6,676.6 million metric tons (MMT) carbon dioxide equivalent (CO_2e).[30] These emissions were lower than peak levels of 7,416 MMT that were emitted in 2007. CARB updates the statewide GHG emission inventory on an annual basis where the latest inventory includes 2000 through 2018 emissions.[31] In 2018, GHG emissions from statewide emitting activities were 425 MMT. The 2018 emissions have decreased by 13 percent since peak levels in 2004 and are 6 MMT below the 1990 emissions level and the State's 2020 GHG limit. Per capita GHG emissions in California have dropped from a 2001 peak of 14.0 MT per person to 10.7 MT per person in 2018. The most recent Bay Area emission inventory was computed for the year 2011.[32] The Bay Area GHG emission were 87 MMT. As a point of comparison, statewide emissions were about 444 MMT in 2011

City of Oakland 2030 Equitable Climate Action Plan

The City of Oaklands's 2030 Equitable Climate Action Plan (ECAP) establishes actions that the City and will take by 2030 to equitably reduce Oakland's climate emissions and adapt to a changing climate, including initiatives to reduce GHG emissions. In July 2020, the City adopted the 2030 ECAP with guidelines of reaching a target GHG reduction of 56% below baseline 2005 GHG emissions levels by 2030.[33] This goal is consistent with the statewide GHG reduction goal set forth in AB 32. However, the City's 2030 ECAP does not have a specific metric ton GHG threshold for project-level construction or operation. Therefore, the City's SCA GHG thresholds are used to judge the project impacts.

City of Oakland Standard Conditions of Approval - GHG

As stated above, the City of Oakland has SCAs that are required for all development projects in Oakland. The GHG conditions are only applied if the project would result in a net increase in GHG emissions which would produce total GHG emissions of more than 1,100 metric tons of CO_2e annually and more than 4.6 metric tons of CO_2e per service population annually and/or the proposed stationary source would produce more than 10,000 MT of CO_2e annually. Projects that exceed these thresholds are required to develop and implement a GHG Reduction Plan per SCA #41(a).

---

[29] See: https://www.energy.ca.gov/sites/default/files/2020-03/Title_24_2019_Building_Standards_FAQ_ada.pdf
[30] United States Environmental Protection Agency, 2020. *Inventory of U.S. Greenhouse Gas Emissions and Sinks 1990-2018*. April. Web: https://www.epa.gov/sites/production/files/2020-04/documents/us-ghg-inventory-2020-main-text.pdf
[31] CARB. 2020. *2020 Edition, California Greenhouse Gas Emission Inventory: 2000 – 2018*. Web: https://ww2.arb.ca.gov/ghg-inventory-data
[32] BAAQMD. 2015. *Bay Area Emissions Inventory Summary Report: Greenhouse Gases Base Year 2011*. January. Web: http://www.baaqmd.gov/~/media/files/planning-and-research/emission-inventory/by2011_ghgsummary.pdf accessed Nov. 26, 2019.
[33] City of Oakland, City of Oakland *2030 Equitable Climate Action Plan*, July 2020, https://cao-94612.s3.amazonaws.com/documents/Oakland-ECAP-07-24.pdf

Impact GHG-1: Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?

GHG emissions associated with development of the proposed project would occur over the short-term from construction activities, consisting primarily of emissions from equipment exhaust and worker and vendor trips. There would also be long-term operational emissions associated with vehicular traffic within the project vicinity, energy and water usage, and solid waste disposal. An analysis of project-level GHG emissions was conducted using the BAAQMD CEQA Air Quality Guidelines. Emissions for the proposed project are discussed below and were analyzed using the methodology recommended in the BAAQMD CEQA Air Quality Guidelines.

CalEEMod Modeling

CalEEMod was used to predict GHG emissions from operation of the site assuming full operation of the school. The project land use types and size and other project-specific information were input to the model, as described previously for computing operational criteria air pollutant emissions. No proposed sustainability measures were included in the modeling.

Service Population Emissions

The project service population efficiency rate is based on the number of school students and supporting staff. At full build out, there would be 400 new students and 30 staff. The service population would be 430 people.

Construction GHG Emissions

GHG emissions associated with construction of Phase 2 were computed to be 67 MT of CO_2e. There would be less GHG emissions during the Phase 1 construction period when less intensive activities are performed. These are the emissions from on-site operation of construction equipment, vendor and hauling truck trips, and worker trips. Neither the City nor BAAQMD have an adopted threshold of significance for construction related GHG emissions, though BAAQMD recommends quantifying emissions and disclosing that GHG emissions would occur during construction. BAAQMD also encourages the incorporation of best management practices to reduce GHG emissions during construction where feasible and applicable.

Operational GHG Emissions

The CalEEMod model, along with the project vehicle trip generation rates, was used to estimate daily emissions associated with full operation of the school under the proposed project. The effects from project-specific sustainability measures were not included in this analysis.

To be considered an exceedance, the project must exceed both the GHG significance threshold in metric tons per year and the service population significance threshold. As shown in Table 8, annual emissions from the proposed project are predicted to be 747 MT of CO_2e in 2022 and 437 MT of CO_2e in 2030. The service population emissions predicted to be 1.7 in 2022 and 1.0 in 2030.

Neither emissions exceed the metric ton threshold or the service population threshold. Therefore, the project would not be in exceedance for GHG emissions.

Table 8. Annual Project GHG Emissions (CO_2e) in Metric Tons

Source Category	Proposed Project in 2022	Proposed Project in 2030
Area	<0.1	<0.1
Energy Consumption	70	67
Mobile	636	329
Solid Waste Generation	37	37
Water Usage	5	4
Total (MT CO_{2e}/year)	747	437
BAAQMD Significance Threshold	***1,100 MT of CO_2e***	
Service Population Emissions (MT CO_{2e}/year/service population)	1.7	1.0
BAAQMD Significance Threshold	***4.6***	***2.8***
Exceed Both Thresholds?	*No*	*No*

Supporting Documentation

Attachment 1 is the methodology used to compute community risk impacts, including the methods to compute increased cancer risk from exposure to project emissions.

Attachment 2 includes the CalEEMod output for project construction and operational criteria air pollutant. The operational output for 2030 project uses are also included in this attachment. Also included are any modeling assumptions.

Attachment 3 is the construction health risk assessment. This includes the summary of the dispersion modeling and the cancer risk calculations for construction. The AERMOD dispersion modeling files for this assessment, which are quite voluminous, are available upon request and would be provided in digital format.

Attachment 4 is the health risk assessment for the school site. This includes (1) description of roadway and rail sources, (2) the summary of the dispersion modeling and the cancer risk calculations and (3) list of stationary sources and information. The AERMOD dispersion modeling files for this assessment, which are quite voluminous, are available upon request and would be provided in digital format.

Attachment 1: Health Risk Calculation Methodology

A health risk assessment (HRA) for exposure to Toxic Air Contaminates (TACs) requires the application of a risk characterization model to the results from the air dispersion model to estimate potential health risk at each sensitive receptor location. The State of California Office of Environmental Health Hazard Assessment (OEHHA) and California Air Resources Board (CARB) develop recommended methods for conducting health risk assessments. The most recent OEHHA risk assessment guidelines were published in February of 2015.[34] These guidelines incorporate substantial changes designed to provide for enhanced protection of children, as required by State law, compared to previous published risk assessment guidelines. CARB has provided additional guidance on implementing OEHHA's recommended methods.[35] This HRA used the 2015 OEHHA risk assessment guidelines and CARB guidance. The BAAQMD has adopted recommended procedures for applying the newest OEHHA guidelines as part of Regulation 2, Rule 5: New Source Review of Toxic Air Contaminants.[36] Exposure parameters from the OEHHA guidelines and the recent BAAQMD HRA Guidelines were used in this evaluation.

Cancer Risk

Potential increased cancer risk from inhalation of TACs is calculated based on the TAC concentration over the period of exposure, inhalation dose, the TAC cancer potency factor, and an age sensitivity factor to reflect the greater sensitivity of infants and children to cancer causing TACs. The inhalation dose depends on a person's breathing rate, exposure time and frequency and duration of exposure. These parameters vary depending on the age, or age range, of the persons being exposed and whether the exposure is considered to occur at a residential location or other sensitive receptor location.

The current OEHHA guidance recommends that cancer risk be calculated by age groups to account for different breathing rates and sensitivity to TACs. Specifically, they recommend evaluating risks for the third trimester of pregnancy to age zero, ages zero to less than two (infant exposure), ages two to less than 16 (child exposure), and ages 16 to 70 (adult exposure). Age sensitivity factors (ASFs) associated with the different types of exposure are an ASF of 10 for the third trimester and infant exposures, an ASF of 3 for a child exposure, and an ASF of 1 for an adult exposure. Also associated with each exposure type are different breathing rates, expressed as liters per kilogram of body weight per day (L/kg-day) or liters per kilogram of body weight per 8-hour period for the case of worker or school child exposures. As recommended by the BAAQMD for residential exposures, 95th percentile breathing rates are used for the third trimester and infant exposures, and 80th percentile breathing rates for child and adult exposures. For children at schools and daycare facilities, BAAQMD recommends using the 95th percentile 8-hour breathing rates. Additionally, CARB and the BAAQMD recommend the use of a residential exposure duration of

[34] OEHHA, 2015. *Air Toxics Hot Spots Program Risk Assessment Guidelines, The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments*. Office of Environmental Health Hazard Assessment. February.
[35] CARB, 2015. *Risk Management Guidance for Stationary Sources of Air Toxics*. July 23.
[36] BAAQMD, 2016. *BAAQMD Air Toxics NSR Program Health Risk Assessment (HRA) Guidelines*. December 2016.

30 years for sources with long-term emissions (e.g., roadways). For workers, assumed to be adults, a 25-year exposure period is recommended by the BAAQMD. For school children a 9-year exposure period is recommended by the BAAQMD.

As a default, BAAQMD cancer risk estimates for children at school sites are calculated based on a 9-year exposure duration, such as for a K-8 school. However, this exposure duration can be refined based on the specific school under evaluation (i.e. 6 years for a K-5 elementary school, 4 years for a 9-12 high school, or 3 years for a 6-8 middle school). For any analyses using an alternative to the 9-year default duration for school children, the breathing rate assumptions must also be adjusted in accordance with the ages of the children in the school.

Under previous OEHHA and BAAQMD HRA guidance, residential receptors are assumed to be at their home 24 hours a day, or 100 percent of the time. In the 2015 Risk Assessment Guidance, OEHHA includes adjustments to exposure duration to account for the fraction of time at home (FAH), which can be less than 100 percent of the time, based on updated population and activity statistics. The FAH factors are age-specific and are: 0.85 for third trimester of pregnancy to less than 2 years old, 0.72 for ages 2 to less than 16 years, and 0.73 for ages 16 to 70 years. Use of the FAH factors is allowed by the BAAQMD if there are no schools in the project vicinity have a cancer risk of one in a million or greater assuming 100 percent exposure (FAH = 1.0).

Functionally, cancer risk is calculated using the following parameters and formulas:

Cancer Risk (per million) = $CPF \times Inhalation\ Dose \times ASF \times ED/AT \times FAH \times 10^{6}$

Where:

CPF = Cancer potency factor $(mg/kg\text{-}day)^{-1}$
ASF = Age sensitivity factor for specified age group
ED = Exposure duration (years)
AT = Averaging time for lifetime cancer risk (years)
FAH = Fraction of time spent at home (unitless)

Inhalation Dose = $C_{air} \times DBR^{*} \times A \times (EF/365) \times 10^{-6}$

Where:

C_{air} = concentration in air ($\mu g/m^3$)
DBR = daily breathing rate (L/kg body weight-day)
8HrBR = 8-hour breathing rate (L/kg body weight-8 hours)
A = Inhalation absorption factor
EF = Exposure frequency (days/year)
10^{-6} = Conversion factor

* An 8-hour breathing rate (8HrBR) is used for worker and school child exposures.

The health risk parameters used in this evaluation are summarized as follows:

Parameter	*Exposure Type* →	Infant		Child	Adult
	Age Range →	3rd Trimester	0<2	2 < 16	16 - 30
DPM Cancer Potency Factor $(mg/kg\text{-}day)^{-1}$		1.10E+00	1.10E+00	1.10E+00	1.10E+00
Daily Breathing Rate (L/kg-day) 80th Percentile Rate		273	758	572	261
Daily Breathing Rate (L/kg-day) 95th Percentile Rate		361	1,090	745	335
8-hour Breathing Rate (L/kg-8 hours) 95th Percentile Rate		-	1,200	520	240
Inhalation Absorption Factor		1	1	1	1
Averaging Time (years)		70	70	70	70
Exposure Duration (years)		0.25	2	14	14*
Exposure Frequency (days/year)		350	350	350	350*
Age Sensitivity Factor		10	10	3	1
Fraction of Time at Home (FAH)		0.85-1.0	0.85-1.0	0.72-1.0	0.73*

* For worker exposures (adult) the exposure duration and frequency are 25 years 250 days/year and FAH is not applicable.

Non-Cancer Hazards

Non-cancer health risk is usually determined by comparing the predicted level of exposure to a chemical to the level of exposure that is not expected to cause any adverse effects (reference exposure level), even to the most susceptible people. Potential non-cancer health hazards from TAC exposure are expressed in terms of a hazard index (HI), which is the ratio of the TAC concentration to a reference exposure level (REL). OEHHA has defined acceptable concentration levels for contaminants that pose non-cancer health hazards. TAC concentrations below the REL are not expected to cause adverse health impacts, even for sensitive individuals. The total HI is calculated as the sum of the HIs for each TAC evaluated and the total HI is compared to the BAAQMD significance thresholds to determine whether a significant non-cancer health impact from a project would occur.

Typically, for residential projects located near roadways with substantial TAC emissions, the primary TAC of concern with non-cancer health effects is diesel particulate matter (DPM). For DPM, the chronic inhalation REL is 5 micrograms per cubic meter ($\mu g/m^3$).

Annual $PM_{2.5}$ Concentrations

While not a TAC, fine particulate matter ($PM_{2.5}$) has been identified by the BAAQMD as a pollutant with potential non-cancer health effects that should be included when evaluating potential community health impacts under the California Environmental Quality Act (CEQA). The thresholds of significance for $PM_{2.5}$ (project level and cumulative) are in terms of an increase in the annual average concentration. When considering $PM_{2.5}$ impacts, the contribution from all sources of $PM_{2.5}$ emissions should be included. For projects with potential impacts from nearby local roadways, the $PM_{2.5}$ impacts should include those from vehicle exhaust emissions, $PM_{2.5}$ generated from vehicle tire and brake wear, and fugitive emissions from re-suspended dust on the roads.

Attachment 2: CalEEMod Inputs and Outputs

1045 Derby Ave High School. Oakland - Ph2 Construction

Alameda County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
High School	17.50	1000sqft	0.40	17,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	63
Climate Zone	5			**Operational Year**	2023
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Provided PD building sf for multi-purpose room

Construction Phase - Default Const schedule

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - default const equip & hours

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Vehicle Trips -

Construction Off-road Equipment Mitigation - BMPs and Tier 4i

Demolition - Based on Google Earth Measurement

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim

tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.1341	0.4300	0.4402	7.6000e-004	7.7600e-003	0.0218	0.0295	2.0300e-003	0.0201	0.0222	0.0000	67.3069	67.3069	0.0185	0.0000	67.7698
Maximum	**0.1341**	**0.4300**	**0.4402**	**7.6000e-004**	**7.7600e-003**	**0.0218**	**0.0295**	**2.0300e-003**	**0.0201**	**0.0222**	**0.0000**	**67.3069**	**67.3069**	**0.0185**	**0.0000**	**67.7698**

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	0.1071	0.2838	0.4842	7.6000e-004	6.1200e-003	1.1500e-003	7.2700e-003	1.6300e-003	1.1500e-003	2.7800e-003	0.0000	67.3068	67.3068	0.0185	0.0000	67.7698
Maximum	**0.1071**	**0.2838**	**0.4842**	**7.6000e-004**	**6.1200e-003**	**1.1500e-003**	**7.2700e-003**	**1.6300e-003**	**1.1500e-003**	**2.7800e-003**	**0.0000**	**67.3068**	**67.3068**	**0.0185**	**0.0000**	**67.7698**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**20.15**	**33.99**	**-9.99**	**0.00**	**21.13**	**94.71**	**75.36**	**19.70**	**94.28**	**87.45**	**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	**1-3-2022**	**4-2-2022**	0.2562	0.1618
2	**4-3-2022**	**7-2-2022**	0.3047	0.2258
		Highest	0.3047	0.2258

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/3/2022	1/14/2022	5	10	
2	Site Preparation	Site Preparation	1/15/2022	1/17/2022	5	1	
3	Grading	Grading	1/18/2022	1/19/2022	5	2	
4	Building Construction	Building Construction	1/20/2022	6/8/2022	5	100	
5	Paving	Paving	6/9/2022	6/15/2022	5	5	
6	Architectural Coating	Architectural Coating	6/16/2022	6/22/2022	5	5	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 26,250; Non-Residential Outdoor: 8,750; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	18.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	7.00	3.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	1.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 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					1.9700e-003	0.0000	1.9700e-003	3.0000e-004	0.0000	3.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.5500e-003	0.0321	0.0374	6.0000e-005		1.6900e-003	1.6900e-003		1.6100e-003	1.6100e-003	0.0000	5.2068	5.2068	9.6000e-004	0.0000	5.2308
Total	**3.5500e-003**	**0.0321**	**0.0374**	**6.0000e-005**	**1.9700e-003**	**1.6900e-003**	**3.6600e-003**	**3.0000e-004**	**1.6100e-003**	**1.9100e-003**	**0.0000**	**5.2068**	**5.2068**	**9.6000e-004**	**0.0000**	**5.2308**

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	7.0000e-005	2.2400e-003	4.4000e-004	1.0000e-005	1.5000e-004	1.0000e-005	1.6000e-004	4.0000e-005	1.0000e-005	5.0000e-005	0.0000	0.6715	0.6715	3.0000e-005	0.0000	0.6723
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	1.0900e-003	0.0000	4.0000e-004	0.0000	4.0000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3269	0.3269	1.0000e-005	0.0000	0.3271
Total	**2.2000e-004**	**2.3400e-003**	**1.5300e-003**	**1.0000e-005**	**5.5000e-004**	**1.0000e-005**	**5.6000e-004**	**1.5000e-004**	**1.0000e-005**	**1.6000e-004**	**0.0000**	**0.9983**	**0.9983**	**4.0000e-005**	**0.0000**	**0.9993**

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					8.9000e-004	0.0000	8.9000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.1800e-003	0.0227	0.0397	6.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	5.2068	5.2068	9.6000e-004	0.0000	5.2308
Total	**1.1800e-003**	**0.0227**	**0.0397**	**6.0000e-005**	**8.9000e-004**	**9.0000e-005**	**9.8000e-004**	**1.3000e-004**	**9.0000e-005**	**2.2000e-004**	**0.0000**	**5.2068**	**5.2068**	**9.6000e-004**	**0.0000**	**5.2308**

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	7.0000e-005	2.2400e-003	4.4000e-004	1.0000e-005	1.5000e-004	1.0000e-005	1.6000e-004	4.0000e-005	1.0000e-005	5.0000e-005	0.0000	0.6715	0.6715	3.0000e-005	0.0000	0.6723
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	1.0900e-003	0.0000	4.0000e-004	0.0000	4.0000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3269	0.3269	1.0000e-005	0.0000	0.3271
Total	**2.2000e-004**	**2.3400e-003**	**1.5300e-003**	**1.0000e-005**	**5.5000e-004**	**1.0000e-005**	**5.6000e-004**	**1.5000e-004**	**1.0000e-005**	**1.6000e-004**	**0.0000**	**0.9983**	**0.9983**	**4.0000e-005**	**0.0000**	**0.9993**

3.3 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					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9000e-004	3.4700e-003	1.9800e-003	0.0000		1.3000e-004	1.3000e-004		1.2000e-004	1.2000e-004	0.0000	0.4275	0.4275	1.4000e-004	0.0000	0.4310
Total	**2.9000e-004**	**3.4700e-003**	**1.9800e-003**	**0.0000**	**2.7000e-004**	**1.3000e-004**	**4.0000e-004**	**3.0000e-005**	**1.2000e-004**	**1.5000e-004**	**0.0000**	**0.4275**	**0.4275**	**1.4000e-004**	**0.0000**	**0.4310**

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	1.0000e-005	1.0000e-005	5.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0163	0.0163	0.0000	0.0000	0.0164
Total	**1.0000e-005**	**1.0000e-005**	**5.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0163**	**0.0163**	**0.0000**	**0.0000**	**0.0164**

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					1.2000e-004	0.0000	1.2000e-004	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.0000e-005	1.5500e-003	2.9300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.4275	0.4275	1.4000e-004	0.0000	0.4310
Total	**9.0000e-005**	**1.5500e-003**	**2.9300e-003**	**0.0000**	**1.2000e-004**	**1.0000e-005**	**1.3000e-004**	**1.0000e-005**	**1.0000e-005**	**2.0000e-005**	**0.0000**	**0.4275**	**0.4275**	**1.4000e-004**	**0.0000**	**0.4310**

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	1.0000e-005	1.0000e-005	5.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0163	0.0163	0.0000	0.0000	0.0164
Total	**1.0000e-005**	**1.0000e-005**	**5.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0163**	**0.0163**	**0.0000**	**0.0000**	**0.0164**

3.4 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					7.5000e-004	0.0000	7.5000e-004	4.1000e-004	0.0000	4.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.1000e-004	6.4100e-003	7.4700e-003	1.0000e-005		3.4000e-004	3.4000e-004		3.2000e-004	3.2000e-004	0.0000	1.0414	1.0414	1.9000e-004	0.0000	1.0462
Total	**7.1000e-004**	**6.4100e-003**	**7.4700e-003**	**1.0000e-005**	**7.5000e-004**	**3.4000e-004**	**1.0900e-003**	**4.1000e-004**	**3.2000e-004**	**7.3000e-004**	**0.0000**	**1.0414**	**1.0414**	**1.9000e-004**	**0.0000**	**1.0462**

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	3.0000e-005	2.0000e-005	2.2000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0654	0.0654	0.0000	0.0000	0.0654
Total	**3.0000e-005**	**2.0000e-005**	**2.2000e-004**	**0.0000**	**8.0000e-005**	**0.0000**	**8.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0654**	**0.0654**	**0.0000**	**0.0000**	**0.0654**

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					3.4000e-004	0.0000	3.4000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.4000e-004	4.5400e-003	7.9400e-003	1.0000e-005		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	1.0414	1.0414	1.9000e-004	0.0000	1.0462
Total	**2.4000e-004**	**4.5400e-003**	**7.9400e-003**	**1.0000e-005**	**3.4000e-004**	**2.0000e-005**	**3.6000e-004**	**1.9000e-004**	**2.0000e-005**	**2.1000e-004**	**0.0000**	**1.0414**	**1.0414**	**1.9000e-004**	**0.0000**	**1.0462**

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	3.0000e-005	2.0000e-005	2.2000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0654	0.0654	0.0000	0.0000	0.0654
Total	**3.0000e-005**	**2.0000e-005**	**2.2000e-004**	**0.0000**	**8.0000e-005**	**0.0000**	**8.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0654**	**0.0654**	**0.0000**	**0.0000**	**0.0654**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0343	0.3513	0.3576	5.7000e-004		0.0186	0.0186		0.0171	0.0171	0.0000	50.0739	50.0739	0.0162	0.0000	50.4787
Total	**0.0343**	**0.3513**	**0.3576**	**5.7000e-004**		**0.0186**	**0.0186**		**0.0171**	**0.0171**	**0.0000**	**50.0739**	**50.0739**	**0.0162**	**0.0000**	**50.4787**

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	4.3000e-004	0.0152	3.1800e-003	4.0000e-005	9.9000e-004	3.0000e-005	1.0100e-003	2.8000e-004	3.0000e-005	3.1000e-004	0.0000	3.8911	3.8911	2.1000e-004	0.0000	3.8963
Worker	1.0400e-003	7.1000e-004	7.6400e-003	3.0000e-005	2.7700e-003	2.0000e-005	2.7900e-003	7.4000e-004	2.0000e-005	7.5000e-004	0.0000	2.2881	2.2881	5.0000e-005	0.0000	2.2894
Total	**1.4700e-003**	**0.0160**	**0.0108**	**7.0000e-005**	**3.7600e-003**	**5.0000e-005**	**3.8000e-003**	**1.0200e-003**	**5.0000e-005**	**1.0600e-003**	**0.0000**	**6.1792**	**6.1792**	**2.6000e-004**	**0.0000**	**6.1857**

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	0.0119	0.2240	0.3981	5.7000e-004		9.3000e-004	9.3000e-004		9.3000e-004	9.3000e-004	0.0000	50.0738	50.0738	0.0162	0.0000	50.4787
Total	**0.0119**	**0.2240**	**0.3981**	**5.7000e-004**		**9.3000e-004**	**9.3000e-004**		**9.3000e-004**	**9.3000e-004**	**0.0000**	**50.0738**	**50.0738**	**0.0162**	**0.0000**	**50.4787**

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	4.3000e-004	0.0152	3.1800e-003	4.0000e-005	9.9000e-004	3.0000e-005	1.0100e-003	2.8000e-004	3.0000e-005	3.1000e-004	0.0000	3.8911	3.8911	2.1000e-004	0.0000	3.8963
Worker	1.0400e-003	7.1000e-004	7.6400e-003	3.0000e-005	2.7700e-003	2.0000e-005	2.7900e-003	7.4000e-004	2.0000e-005	7.5000e-004	0.0000	2.2881	2.2881	5.0000e-005	0.0000	2.2894
Total	**1.4700e-003**	**0.0160**	**0.0108**	**7.0000e-005**	**3.7600e-003**	**5.0000e-005**	**3.8000e-003**	**1.0200e-003**	**5.0000e-005**	**1.0600e-003**	**0.0000**	**6.1792**	**6.1792**	**2.6000e-004**	**0.0000**	**6.1857**

3.6 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	1.6200e-003	0.0148	0.0176	3.0000e-005		7.4000e-004	7.4000e-004		6.9000e-004	6.9000e-004	0.0000	2.3492	2.3492	6.8000e-004	0.0000	2.3663
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.6200e-003**	**0.0148**	**0.0176**	**3.0000e-005**		**7.4000e-004**	**7.4000e-004**		**6.9000e-004**	**6.9000e-004**	**0.0000**	**2.3492**	**2.3492**	**6.8000e-004**	**0.0000**	**2.3663**

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	1.3000e-004	9.0000e-005	9.8000e-004	0.0000	3.6000e-004	0.0000	3.6000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.2942	0.2942	1.0000e-005	0.0000	0.2944
Total	**1.3000e-004**	**9.0000e-005**	**9.8000e-004**	**0.0000**	**3.6000e-004**	**0.0000**	**3.6000e-004**	**9.0000e-005**	**0.0000**	**1.0000e-004**	**0.0000**	**0.2942**	**0.2942**	**1.0000e-005**	**0.0000**	**0.2944**

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	4.1000e-004	0.0100	0.0173	3.0000e-005		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	2.3492	2.3492	6.8000e-004	0.0000	2.3663
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.1000e-004**	**0.0100**	**0.0173**	**3.0000e-005**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**	**0.0000**	**2.3492**	**2.3492**	**6.8000e-004**	**0.0000**	**2.3663**

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	1.3000e-004	9.0000e-005	9.8000e-004	0.0000	3.6000e-004	0.0000	3.6000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.2942	0.2942	1.0000e-005	0.0000	0.2944
Total	**1.3000e-004**	**9.0000e-005**	**9.8000e-004**	**0.0000**	**3.6000e-004**	**0.0000**	**3.6000e-004**	**9.0000e-005**	**0.0000**	**1.0000e-004**	**0.0000**	**0.2942**	**0.2942**	**1.0000e-005**	**0.0000**	**0.2944**

3.7 Architectural 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	0.0913					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.1000e-004	3.5200e-003	4.5300e-003	1.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394
Total	**0.0918**	**3.5200e-003**	**4.5300e-003**	**1.0000e-005**		**2.0000e-004**	**2.0000e-004**		**2.0000e-004**	**2.0000e-004**	**0.0000**	**0.6383**	**0.6383**	**4.0000e-005**	**0.0000**	**0.6394**

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	1.0000e-005	1.0000e-005	5.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0163	0.0163	0.0000	0.0000	0.0164
Total	**1.0000e-005**	**1.0000e-005**	**5.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0163**	**0.0163**	**0.0000**	**0.0000**	**0.0164**

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	0.0913					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.4000e-004	2.6500e-003	4.5800e-003	1.0000e-005		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394
Total	**0.0914**	**2.6500e-003**	**4.5800e-003**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**0.6383**	**0.6383**	**4.0000e-005**	**0.0000**	**0.6394**

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	1.0000e-005	1.0000e-005	5.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0163	0.0163	0.0000	0.0000	0.0164
Total	**1.0000e-005**	**1.0000e-005**	**5.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0163**	**0.0163**	**0.0000**	**0.0000**	**0.0164**

EFC Charter School -

Alameda County, Annual

Operational AQ & GHG

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
High School	400.00	Student	3.07	44,579.00	0
Parking Lot	67.00	Space	0.00	27,580.00	0
User Defined Recreational	1.00	User Defined Unit	0.00	4,216.00	0
Other Asphalt Surfaces	50.60	1000sqft	0.00	50,602.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	63
Climate Zone	5			**Operational Year**	2021
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	206	**CH4 Intensity (lb/MWhr)**	0	**N2O Intensity (lb/MWhr)**	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Using PG&E 2018 rate

Land Use - Acre based on 133,757sf site= 44,579 building + 4,216outdoor areas + 27,580parking drive + 50,602paved

Construction Phase - Operational run

Off-road Equipment - Operational run

Grading -

Trips and VMT - Operational run

Vehicle Trips - Project generates 432 daily vehicle trips 432/400= 1.08 trips

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	0.00
tblConstructionPhase	PhaseEndDate	4/19/2021	4/12/2021
tblLandUse	LandUseSquareFeet	53,064.39	44,579.00
tblLandUse	LandUseSquareFeet	26,800.00	27,580.00
tblLandUse	LandUseSquareFeet	0.00	4,216.00
tblLandUse	LotAcreage	1.22	3.07
tblLandUse	LotAcreage	0.60	0.00
tblLandUse	LotAcreage	1.16	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0
tblProjectCharacteristics	CO2IntensityFactor	641.35	206
tblProjectCharacteristics	N2OIntensityFactor	0.006	0

2.0 Emissions Summary

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	0.2231	4.0000e-005	4.7800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.2700e-003	9.2700e-003	2.0000e-005	0.0000	9.8800e-003
Energy	3.9600e-003	0.0360	0.0302	2.2000e-004		2.7400e-003	2.7400e-003		2.7400e-003	2.7400e-003	0.0000	58.5772	58.5772	7.5000e-004	7.2000e-004	58.8100
Mobile	0.1633	1.0931	1.8702	6.9000e-003	0.5266	6.8300e-003	0.5334	0.1415	6.4300e-003	0.1480	0.0000	635.4039	635.4039	0.0271	0.0000	636.0803

Waste						0.0000	0.0000		0.0000	0.0000	14.8183	0.0000	14.8183	0.8757	0.0000	36.7118
Water						0.0000	0.0000		0.0000	0.0000	0.5590	2.3726	2.9316	0.0574	1.3600e-003	4.7710
Total	**0.3904**	**1.1291**	**1.9053**	**7.1200e-003**	**0.5266**	**9.5900e-003**	**0.5361**	**0.1415**	**9.1900e-003**	**0.1507**	**15.3773**	**696.3630**	**711.7404**	**0.9610**	**2.0800e-003**	**736.3830**

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	0.2231	4.0000e-005	4.7800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.2700e-003	9.2700e-003	2.0000e-005	0.0000	9.8800e-003
Energy	3.9600e-003	0.0360	0.0302	2.2000e-004		2.7400e-003	2.7400e-003		2.7400e-003	2.7400e-003	0.0000	58.5772	58.5772	7.5000e-004	7.2000e-004	58.8100
Mobile	0.1633	1.0931	1.8702	6.9000e-003	0.5266	6.8300e-003	0.5334	0.1415	6.4300e-003	0.1480	0.0000	635.4039	635.4039	0.0271	0.0000	636.0803
Waste						0.0000	0.0000		0.0000	0.0000	14.8183	0.0000	14.8183	0.8757	0.0000	36.7118
Water						0.0000	0.0000		0.0000	0.0000	0.5590	2.3726	2.9316	0.0574	1.3600e-003	4.7710
Total	**0.3904**	**1.1291**	**1.9053**	**7.1200e-003**	**0.5266**	**9.5900e-003**	**0.5361**	**0.1415**	**9.1900e-003**	**0.1507**	**15.3773**	**696.3630**	**711.7404**	**0.9610**	**2.0800e-003**	**736.3830**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	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	0.1633	1.0931	1.8702	6.9000e-003	0.5266	6.8300e-003	0.5334	0.1415	6.4300e-003	0.1480	0.0000	635.4039	635.4039	0.0271	0.0000	636.0803
Unmitigated	0.1633	1.0931	1.8702	6.9000e-003	0.5266	6.8300e-003	0.5334	0.1415	6.4300e-003	0.1480	0.0000	635.4039	635.4039	0.0271	0.0000	636.0803

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
High School	684.00	244.00	100.00	1,407,823	1,407,823
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
User Defined Recreational	0.00	0.00	0.00		
Total	684.00	244.00	100.00	1,407,823	1,407,823

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
High School	9.50	7.30	7.30	77.80	17.20	5.00	75	19	6
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
User Defined Recreational	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
High School	0.559358	0.040058	0.190549	0.109335	0.016678	0.005213	0.023344	0.044042	0.002152	0.002669	0.005545	0.000316	0.000739
Other Asphalt Surfaces	0.559358	0.040058	0.190549	0.109335	0.016678	0.005213	0.023344	0.044042	0.002152	0.002669	0.005545	0.000316	0.000739
Parking Lot	0.559358	0.040058	0.190549	0.109335	0.016678	0.005213	0.023344	0.044042	0.002152	0.002669	0.005545	0.000316	0.000739
User Defined Recreational	0.559358	0.040058	0.190549	0.109335	0.016678	0.005213	0.023344	0.044042	0.002152	0.002669	0.005545	0.000316	0.000739

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	19.3966	19.3966	0.0000	0.0000	19.3966
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	19.3966	19.3966	0.0000	0.0000	19.3966
NaturalGas Mitigated	3.9600e-003	0.0360	0.0302	2.2000e-004		2.7400e-003	2.7400e-003		2.7400e-003	2.7400e-003	0.0000	39.1806	39.1806	7.5000e-004	7.2000e-004	39.4134
NaturalGas Unmitigated	3.9600e-003	0.0360	0.0302	2.2000e-004		2.7400e-003	2.7400e-003		2.7400e-003	2.7400e-003	0.0000	39.1806	39.1806	7.5000e-004	7.2000e-004	39.4134

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
High School	734216	3.9600e-003	0.0360	0.0302	2.2000e-004		2.7400e-003	2.7400e-003		2.7400e-003	2.7400e-003	0.0000	39.1806	39.1806	7.5000e-004	7.2000e-004	39.4134
Other Asphalt Surfaces	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
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
User Defined Recreational	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
Total		**3.9600e-003**	**0.0360**	**0.0302**	**2.2000e-004**		**2.7400e-003**	**2.7400e-003**		**2.7400e-003**	**2.7400e-003**	**0.0000**	**39.1806**	**39.1806**	**7.5000e-004**	**7.2000e-004**	**39.4134**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
High School	734216	3.9600e-003	0.0360	0.0302	2.2000e-004		2.7400e-003	2.7400e-003		2.7400e-003	2.7400e-003	0.0000	39.1806	39.1806	7.5000e-004	7.2000e-004	39.4134
Other Asphalt Surfaces	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
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
User Defined Recreational	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
Total		**3.9600e-003**	**0.0360**	**0.0302**	**2.2000e-004**		**2.7400e-003**	**2.7400e-003**		**2.7400e-003**	**2.7400e-003**	**0.0000**	**39.1806**	**39.1806**	**7.5000e-004**	**7.2000e-004**	**39.4134**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
High School	197931	18.4947	0.0000	0.0000	18.4947
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	9653	0.9020	0.0000	0.0000	0.9020
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000
Total		**19.3966**	**0.0000**	**0.0000**	**19.3966**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
High School	197931	18.4947	0.0000	0.0000	18.4947
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	9653	0.9020	0.0000	0.0000	0.9020
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000
Total		**19.3966**	**0.0000**	**0.0000**	**19.3966**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2231	4.0000e-005	4.7800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.2700e-003	9.2700e-003	2.0000e-005	0.0000	9.8800e-003
Unmitigated	0.2231	4.0000e-005	4.7800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.2700e-003	9.2700e-003	2.0000e-005	0.0000	9.8800e-003

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	0.0271					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1956					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.5000e-004	4.0000e-005	4.7800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.2700e-003	9.2700e-003	2.0000e-005	0.0000	9.8800e-003
Total	**0.2231**	**4.0000e-005**	**4.7800e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**	**0.0000**	**9.2700e-003**	**9.2700e-003**	**2.0000e-005**	**0.0000**	**9.8800e-003**

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	0.0271					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1956					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.5000e-004	4.0000e-005	4.7800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.2700e-003	9.2700e-003	2.0000e-005	0.0000	9.8800e-003
Total	**0.2231**	**4.0000e-005**	**4.7800e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**	**0.0000**	**9.2700e-003**	**9.2700e-003**	**2.0000e-005**	**0.0000**	**9.8800e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	2.9316	0.0574	1.3600e-003	4.7710
Unmitigated	2.9316	0.0574	1.3600e-003	4.7710

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
High School	1.76198 / 4.53082	2.9316	0.0574	1.3600e-003	4.7710
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
User Defined Recreational	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**2.9316**	**0.0574**	**1.3600e-003**	**4.7710**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
High School	1.76198 / 4.53082	2.9316	0.0574	1.3600e-003	4.7710
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
User Defined Recreational	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**2.9316**	**0.0574**	**1.3600e-003**	**4.7710**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	14.8183	0.8757	0.0000	36.7118
Unmitigated	14.8183	0.8757	0.0000	36.7118

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
High School	73	14.8183	0.8757	0.0000	36.7118
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000
Total		**14.8183**	**0.8757**	**0.0000**	**36.7118**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
High School	73	14.8183	0.8757	0.0000	36.7118
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000
Total		**14.8183**	**0.8757**	**0.0000**	**36.7118**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Table 3.7: Trip Generation

ITE	Size	Unit	Trip Type	Daily Total	AM Peak Hour			PM Peak Hour		
					In	Out	Total	In	Out	Total
530 (High School)	400	Students	Motor Vehicle Trips	432	80	38	117	23	48	71
			Transit Trips	242	45	21	66	13	27	40
			Bike Trips	42	8	4	12	3	5	7
			Walk Trips	86	16	8	24	5	10	14
			Project Generated Trips	**812**	**150**	**70**	**220**	**43**	**89**	**132**

Source: ITE *Trip Generation Manual, 10th Edition* (2017); City of Oakland *Transportation Impact Review Guidelines*

Note: Per Oakland's TIRG for projects within a half mile of a BART station, mode split is assigned to the ITE Trip Generation resulting in the following percentages: 53.1% vehicle trips, 29.7% transit trips, 5.1% bicycle trips, and 10.5% walking trips

Attachment 3: Construction Health Risk Modeling Information

Attachment 3

Construction Emissions and Health Risk Calculations

Derby Charter high School - Oakland, CA

DPM Emissions and Modeling Emission Rates - Uncontrolled

Emissions Model Year	Activity	DPM (ton/year)	Area Source	DPM Emissions (lb/yr)	DPM Emissions (lb/hr)	DPM Emissions (g/s)	Modeled Area (m^2)	DPM Emission Rate ($g/s/m^2$)
2022	Construction	0.0218	DPM	43.6	0.01327	1.67E-03	1,976	**8.46E-07**

Modeled Operation Hours

hr/day =	9	(7am - 4pm)
days/yr =	365	
hours/year =	3285	

PM2.5 Fugitive Dust Emissions for Modeling - Uncontrolled

Construction Year	Activity	Area Source	PM2.5 Emissions (ton/year)	PM2.5 Emissions (lb/yr)	PM2.5 Emissions (lb/hr)	PM2.5 Emissions (g/s)	Modeled Area (m^2)	PM2.5 Emission Rate $g/s/m^2$
2022	Construction	FUG	0.0020	4.1	0.00124	1.56E-04	1,976	**7.88E-08**

Modeled Operation Hours

hr/day =	9	(7am - 4pm)
days/yr =	365	
hours/year =	3285	

DPM Construction Emissions and Modeling Emission Rates - With Controls

Emissions Model Year	Activity	DPM (ton/year)	Area Source	DPM Emissions (lb/yr)	DPM Emissions (lb/hr)	DPM Emissions (g/s)	Modeled Area (m^2)	DPM Emission Rate ($g/s/m^2$)
2022	Construction	0.0012	DPM	2.3	0.00070	8.82E-05	1,976	**4.46E-08**

Modeled Operation Hours

hr/day =	9	(7am - 4pm)
days/yr =	365	
hours/year =	3285	

PM2.5 Fugitive Dust Construction Emissions for Modeling - With Controls

Construction Year	Activity	Area Source	PM2.5 Emissions (ton/year)	PM2.5 Emissions (lb/yr)	PM2.5 Emissions (lb/hr)	PM2.5 Emissions (g/s)	Modeled Area (m^2)	PM2.5 Emission Rate $g/s/m^2$
2022	Construction	FUG	0.0016	3.3	0.00099	1.25E-04	1,976	**6.33E-08**

Modeled Operation Hours

hr/day =	9	(7am - 4pm)
days/yr =	365	
hours/year =	3285	

Derby Charter High School, Oakland, CA
Construction Health Impacts Summary

Maximum Impacts at Residential Construction MEI Location - Uncontrolled

Emissions Year	Maximum Concentrations: Exhaust PM10/DPM ($\mu g/m^3$)	Maximum Concentrations: Fugitive PM2.5 ($\mu g/m^3$)	Cancer Risk (per million): Child	Cancer Risk (per million): Adult	Hazard Index (-)	Maximum Annual PM2.5 Concentration ($\mu g/m^3$)
2022	0.1035	0.0141	18.40	0.30	0.021	0.12

Maximum Impacts at Residential Construction MEI Location - With Controls

Emissions Year	Maximum Concentrations: Exhaust PM10/DPM ($\mu g/m^3$)	Maximum Concentrations: Fugitive PM2.5 ($\mu g/m^3$)	Cancer Risk (per million): Child	Cancer Risk (per million): Adult	Hazard Index (-)	Maximum Annual PM2.5 Concentration ($\mu g/m^3$)
2022	0.0055	0.0062	0.97	0.02	0.001	0.06

Maximum Impacts at Lazear Charter School - Uncontrolled

Emissions Year	Maximum Concentrations: Exhaust PM10/DPM ($\mu g/m^3$)	Maximum Concentrations: Fugitive PM2.5 ($\mu g/m^3$)	Cancer Risk (per million): School Child	Hazard Index (-)	Maximum Annual PM2.5 Concentration ($\mu g/m^3$)
2022	0.0566	0.0062	3.48	0.011	0.06

Maximum Impacts at International Community School - Uncontrolled

Emissions Year	Maximum Concentrations: Exhaust PM10/DPM ($\mu g/m^3$)	Maximum Concentrations: Fugitive PM2.5 ($\mu g/m^3$)	Cancer Risk (per million): School Child	Hazard Index (-)	Maximum Annual PM2.5 Concentration ($\mu g/m^3$)
2022	0.0170	0.0020	1.05	0.003	0.02

Maximum Impacts at Lazear Charter School - With Controls

Emissions Year	Maximum Concentrations: Exhaust PM10/DPM ($\mu g/m^3$)	Maximum Concentrations: Fugitive PM2.5 ($\mu g/m^3$)	Cancer Risk (per million): School Child	Hazard Index (-)	Maximum Annual PM2.5 Concentration ($\mu g/m^3$)
2022	0.0030	0.0050	0.18	0.001	0.01

Maximum Impacts at International Community School - With Controls

Emissions Year	Maximum Concentrations: Exhaust PM10/DPM ($\mu g/m^3$)	Maximum Concentrations: Fugitive PM2.5 ($\mu g/m^3$)	Cancer Risk (per million): School Child	Hazard Index (-)	Maximum Annual PM2.5 Concentration ($\mu g/m^3$)
2022	0.0090	0.0016	0.55	0.002	0.003

Derby Charter High School, Oakland, C - Uncontrolled Emissions
Maximum DPM Cancer Risk Calculations From Construction
Impacts at Off-Site Receptors-1.5 meter receptor height

Cancer Risk (per million) = CPF x Inhalation Dose x ASF x ED/AT x FAH x 1.0E6

Where: CPF = Cancer potency factor $(mg/kg\text{-}day)^{-1}$
ASF = Age sensitivity factor for specified age group
ED = Exposure duration (years)
AT = Averaging time for lifetime cancer risk (years)
FAH = Fraction of time spent at home (unitless)

Inhalation Dose = C_{air} x DBR x A x (EF/365) x 10^{-6}

Where: C_{air} = concentration in air ($\mu g/m^3$)
DBR = daily breathing rate (L/kg body weight-day)
A = Inhalation absorption factor
EF = Exposure frequency (days/year)
10^{-6} = Conversion factor

Values

	Infant/Child				Adult
Age -->	**3rd Trimester**	**0 - 2**	**2 - 9**	**2 - 16**	**16 - 30**
Parameter					
ASF =	10	10	3	3	1
CPF =	1.10E+00	1.10E+00	1.10E+00	1.10E+00	1.10E+00
DBR* =	361	1090	631	572	261
A =	1	1	1	1	1
EF =	350	350	350	350	350
AT =	70	70	70	70	70
FAH =	1.00	1.00	1.00	1.00	0.73

* 95th percentile breathing rates for infants and 80th percentile for children and adults

Construction Cancer Risk by Year - Maximum Impact Receptor Location

			Infant/Child - Exposure Information			Infant/Child	Adult - Exposure Information			Adult		
			DPM Conc (ug/m3)		Age	Cancer	Modeled DPM Conc (ug/m3)		Age	Cancer		
Exposure Year	**Exposure Duration (years)**	**Age**	**Year**	**Annual**	**Sensitivity Factor**	**Risk (per million)**	**Year**	**Annual**	**Sensitivity Factor**	**Risk (per million)**	**Fugitive PM2.5**	**Total PM2.5**
0	0.25	-0.25 - 0*	2022	0.1035	10	1.41	2022	-	-	-		
1	1	0 - 1	2022	0.1035	10	16.99	2022	0.1035	1	0.30	0.0141	0.118
2	1	1 - 2		0.0000	10	0.00		0.0000	1	0.00		
3	1	2 - 3		0.0000	3	0.00		0.0000	1	0.00		
4	1	3 - 4		0.0000	3	0.00		0.0000	1	0.00		
5	1	4 - 5		0.0000	3	0.00		0.0000	1	0.00		
6	1	5 - 6		0.0000	3	0.00		0.0000	1	0.00		
7	1	6 - 7		0.0000	3	0.00		0.0000	1	0.00		
8	1	7 - 8		0.0000	3	0.00		0.0000	1	0.00		
9	1	8 - 9		0.0000	3	0.00		0.0000	1	0.00		
10	1	9 - 10		0.0000	3	0.00		0.0000	1	0.00		
11	1	10 - 11		0.0000	3	0.00		0.0000	1	0.00		
12	1	11 - 12		0.0000	3	0.00		0.0000	1	0.00		
13	1	12 - 13		0.0000	3	0.00		0.0000	1	0.00		
14	1	13 - 14		0.0000	3	0.00		0.0000	1	0.00		
15	1	14 - 15		0.0000	3	0.00		0.0000	1	0.00		
16	1	15 - 16		0.0000	3	0.00		0.0000	1	0.00		
17	1	16-17		0.0000	1	0.00		0.0000	1	0.00		
18	1	17-18		0.0000	1	0.00		0.0000	1	0.00		
19	1	18-19		0.0000	1	0.00		0.0000	1	0.00		
20	1	19-20		0.0000	1	0.00		0.0000	1	0.00		
21	1	20-21		0.0000	1	0.00		0.0000	1	0.00		
22	1	21-22		0.0000	1	0.00		0.0000	1	0.00		
23	1	22-23		0.0000	1	0.00		0.0000	1	0.00		
24	1	23-24		0.0000	1	0.00		0.0000	1	0.00		
25	1	24-25		0.0000	1	0.00		0.0000	1	0.00		
26	1	25-26		0.0000	1	0.00		0.0000	1	0.00		
27	1	26-27		0.0000	1	0.00		0.0000	1	0.00		
28	1	27-28		0.0000	1	0.00		0.0000	1	0.00		
29	1	28-29		0.0000	1	0.00		0.0000	1	0.00		
30	1	29-30		0.0000	1	0.00		0.0000	1	0.00		
Total Increased Cancer Risk						**18.4**				**0.30**		

* Third trimester of pregnancy

Derby Charter High School, Oakland, C - Controlled Emissions
Maximum DPM Cancer Risk Calculations From Construction
Impacts at Off-Site Receptors-1.5 meter receptor height

Cancer Risk (per million) = CPF x Inhalation Dose x ASF x ED/AT x FAH x 1.0E6

Where: CPF = Cancer potency factor $(mg/kg\text{-}day)^{-1}$
ASF = Age sensitivity factor for specified age group
ED = Exposure duration (years)
AT = Averaging time for lifetime cancer risk (years)
FAH = Fraction of time spent at home (unitless)

Inhalation Dose = C_{air} x DBR x A x (EF/365) x 10^{-6}

Where: C_{air} = concentration in air ($\mu g/m^3$)
DBR = daily breathing rate (L/kg body weight-day)
A = Inhalation absorption factor
EF = Exposure frequency (days/year)
10^{-6} = Conversion factor

Values

	Infant/Child				Adult
Age -->	**3rd Trimester**	**0 - 2**	**2 - 9**	**2 - 16**	**16 - 30**
Parameter					
ASF =	10	10	3	3	1
CPF =	1.10E+00	1.10E+00	1.10E+00	1.10E+00	1.10E+00
DBR* =	361	1090	631	572	261
A =	1	1	1	1	1
EF =	350	350	350	350	350
AT =	70	70	70	70	70
FAH =	1.00	1.00	1.00	1.00	0.73

* 95th percentile breathing rates for infants and 80th percentile for children and adults

Construction Cancer Risk by Year - Maximum Impact Receptor Location

			Infant/Child - Exposure Information			Infant/Child	Adult - Exposure Information			Adult		
			DPM Conc (ug/m3)		Age	Cancer	Modeled DPM Conc (ug/m3)		Age	Cancer		
Exposure Year	**Exposure Duration (years)**	**Age**	**Year**	**Annual**	**Sensitivity Factor**	**Risk (per million)**	**Year**	**Annual**	**Sensitivity Factor**	**Risk (per million)**	**Fugitive PM2.5**	**Total PM2.5**
0	0.25	-0.25 - 0*	2022	0.0055	10	0.07	2022	-	-	-		
1	1	0 - 1	2022	0.0055	10	0.90	2022	0.0055	1	0.02	0.0114	0.017
2	1	1 - 2		0.0000	10	0.00		0.0000	1	0.00		
3	1	2 - 3		0.0000	3	0.00		0.0000	1	0.00		
4	1	3 - 4		0.0000	3	0.00		0.0000	1	0.00		
5	1	4 - 5		0.00000	3	0.00		0.00000	1	0.00		
6	1	5 - 6		0.0000	3	0.00		0.0000	1	0.00		
7	1	6 - 7		0.0000	3	0.00		0.0000	1	0.00		
8	1	7 - 8		0.0000	3	0.00		0.0000	1	0.00		
9	1	8 - 9		0.0000	3	0.00		0.0000	1	0.00		
10	1	9 - 10		0.0000	3	0.00		0.0000	1	0.00		
11	1	10 - 11		0.0000	3	0.00		0.0000	1	0.00		
12	1	11 - 12		0.0000	3	0.00		0.0000	1	0.00		
13	1	12 - 13		0.0000	3	0.00		0.0000	1	0.00		
14	1	13 - 14		0.0000	3	0.00		0.0000	1	0.00		
15	1	14 - 15		0.0000	3	0.00		0.0000	1	0.00		
16	1	15 - 16		0.0000	3	0.00		0.0000	1	0.00		
17	1	16-17		0.0000	1	0.00		0.0000	1	0.00		
18	1	17-18		0.0000	1	0.00		0.0000	1	0.00		
19	1	18-19		0.0000	1	0.00		0.0000	1	0.00		
20	1	19-20		0.0000	1	0.00		0.0000	1	0.00		
21	1	20-21		0.0000	1	0.00		0.0000	1	0.00		
22	1	21-22		0.0000	1	0.00		0.0000	1	0.00		
23	1	22-23		0.0000	1	0.00		0.0000	1	0.00		
24	1	23-24		0.0000	1	0.00		0.0000	1	0.00		
25	1	24-25		0.0000	1	0.00		0.0000	1	0.00		
26	1	25-26		0.0000	1	0.00		0.0000	1	0.00		
27	1	26-27		0.0000	1	0.00		0.0000	1	0.00		
28	1	27-28		0.0000	1	0.00		0.0000	1	0.00		
29	1	28-29		0.0000	1	0.00		0.0000	1	0.00		
30	1	29-30		0.0000	1	0.00		0.0000	1	0.00		
Total Increased Cancer Risk						**1.0**				**0.02**		

* Third trimester of pregnancy

Derby Charter High School, Oakland, C - Uncontrolled Emissions
Maximum DPM Cancer Risk Calculations From Construction
Impacts at Off-Site Receptors-4.5 meter receptor height

Cancer Risk (per million) = CPF x Inhalation Dose x ASF x ED/AT x FAH x 1.0E6

Where: CPF = Cancer potency factor $(mg/kg\text{-}day)^{-1}$
ASF = Age sensitivity factor for specified age group
ED = Exposure duration (years)
AT = Averaging time for lifetime cancer risk (years)
FAH = Fraction of time spent at home (unitless)

Inhalation Dose = C_{air} x DBR x A x (EF/365) x 10^{-6}

Where: C_{air} = concentration in air ($\mu g/m^3$)
DBR = daily breathing rate (L/kg body weight-day)
A = Inhalation absorption factor
EF = Exposure frequency (days/year)
10^{-6} = Conversion factor

Values

	Infant/Child				Adult
Age -->	**3rd Trimester**	**0 - 2**	**2 - 9**	**2 - 16**	**16 - 30**
Parameter					
ASF =	10	10	3	3	1
CPF =	1.10E+00	1.10E+00	1.10E+00	1.10E+00	1.10E+00
DBR* =	361	1090	631	572	261
A =	1	1	1	1	1
EF =	350	350	350	350	350
AT =	70	70	70	70	70
FAH =	1.00	1.00	1.00	1.00	0.73

* 95th percentile breathing rates for infants and 80th percentile for children and adults

Construction Cancer Risk by Year - Maximum Impact Receptor Location

			Infant/Child - Exposure Information			Infant/Child	Adult - Exposure Information			Adult		
			DPM Conc (ug/m3)		Age	Cancer	Modeled DPM Conc (ug/m3)		Age	Cancer		
Exposure Year	**Exposure Duration (years)**	**Age**	**Year**	**Annual**	**Sensitivity Factor**	**Risk (per million)**	**Year**	**Annual**	**Sensitivity Factor**	**Risk (per million)**	**Fugitive PM2.5**	**Total PM2.5**
0	0.25	-0.25 - 0*	2022	0.1012	10	1.38	2022	-	-	-		
1	1	0 - 1	2022	0.1012	10	16.61	2022	0.1012	1	0.29	0.0108	0.112
2	1	1 - 2		0.0000	10	0.00		0.0000	1	0.00		
3	1	2 - 3		0.0000	3	0.00		0.0000	1	0.00		
4	1	3 - 4		0.0000	3	0.00		0.0000	1	0.00		
5	1	4 - 5		0.0000	3	0.00		0.0000	1	0.00		
6	1	5 - 6		0.0000	3	0.00		0.0000	1	0.00		
7	1	6 - 7		0.0000	3	0.00		0.0000	1	0.00		
8	1	7 - 8		0.0000	3	0.00		0.0000	1	0.00		
9	1	8 - 9		0.0000	3	0.00		0.0000	1	0.00		
10	1	9 - 10		0.0000	3	0.00		0.0000	1	0.00		
11	1	10 - 11		0.0000	3	0.00		0.0000	1	0.00		
12	1	11 - 12		0.0000	3	0.00		0.0000	1	0.00		
13	1	12 - 13		0.0000	3	0.00		0.0000	1	0.00		
14	1	13 - 14		0.0000	3	0.00		0.0000	1	0.00		
15	1	14 - 15		0.0000	3	0.00		0.0000	1	0.00		
16	1	15 - 16		0.0000	3	0.00		0.0000	1	0.00		
17	1	16-17		0.0000	1	0.00		0.0000	1	0.00		
18	1	17-18		0.0000	1	0.00		0.0000	1	0.00		
19	1	18-19		0.0000	1	0.00		0.0000	1	0.00		
20	1	19-20		0.0000	1	0.00		0.0000	1	0.00		
21	1	20-21		0.0000	1	0.00		0.0000	1	0.00		
22	1	21-22		0.0000	1	0.00		0.0000	1	0.00		
23	1	22-23		0.0000	1	0.00		0.0000	1	0.00		
24	1	23-24		0.0000	1	0.00		0.0000	1	0.00		
25	1	24-25		0.0000	1	0.00		0.0000	1	0.00		
26	1	25-26		0.0000	1	0.00		0.0000	1	0.00		
27	1	26-27		0.0000	1	0.00		0.0000	1	0.00		
28	1	27-28		0.0000	1	0.00		0.0000	1	0.00		
29	1	28-29		0.0000	1	0.00		0.0000	1	0.00		
30	1	29-30		0.0000	1	0.00		0.0000	1	0.00		
Total Increased Cancer Risk						**18.0**				**0.29**		

* Third trimester of pregnancy

Derby Charter High School., Oakland, CA - Construction Imacts
Maximum School Child Cancer Risks - Lazear Charter School (K - 8)
SchoolChild Exposures (1.0 meter receptor heights)
1-Year Child Exposure

Cancer Risk Calculation Method

Student Cancer Risk (per million) = CPF x Inhalation Dose x ASF x ED/AT x 1.0E6

Where: CPF = Cancer potency factor $(mg/kg\text{-}day)^{-1}$
ASF = Age sensitivity factor for specified age group
ED = Exposure duration (years)
AT = Averaging time for lifetime cancer risk (years)

Inhalation Dose = C_{air} x SAF x 8hr BR x A x (EF/365) x 10^{-6}

Where: C_{air} = concentration in air ($\mu g/m^3$)
SAF = School Adjustment Factor (unitless) for source operation and school exposures different than 8
= (24/SHR) x (SchHR/8 hrs)
SHR = Hours of emission source operation
SchHR = School operation hours while emission source in operation
8-Hr BR = Eight-hour breathing rate (L/kg body weight-per 8 hrs)
A = Inhalation absorption factor
10^{-6} = Conversion factor

Values

Cancer Potency Factors $(mg/kg\text{-}day)^{-1}$

TAC	CPF
DPM	1.10E+00

	Infant	Child
Age -->	0 - <2	2 - <16
Parameter		
ASF	10	3
8-Hr BR* =	1200	520
SchHR** =	0	11
SHR =	9	9
A =	1	1
EF =	0	250
AT =	70	70
SAF =	0.00	3.67

* 95th percentile 8-hr breathing rates for moderate intensity activities
** SchHR assumed to be 11 hours per day

Road Traffic Cancer Risk by Year - Maximum Impact Receptor Location

Exposure Year	Year	Exposure Duration (years)	Age	Maximum - Exposure Info. Age Sensitivity Factor	Annual DPM Conc. (ug/m^3)	Cancer Risk (per million)
1	2022	1	14	3	0.0566	**3.5**

Derby Charter High School, Oakland, CA - Construction DPM & PM2.5
Lazear Charter School - Uncontrolled Emissions
AERMOD Risk Modeling Parameters and Maximum Concentrations
SchoolChild Exposures (1.0 meter receptor heights)

Emissions Years	2022
Receptor Information	
Number of Receptors	44
Receptor Height =	1 meter
Receptor distances =	in school classroom areas
Meteorological Conditions	
BAAQMD Oakland Airport Met Data	2013-2017
Land Use Classification	urban
Wind speed =	variable
Wind direction =	variable

Emission Years	Concentration (µg/m^3) DPM
2022	0.05655

Emission Years	PM2.5 Concentration (µg/m^3)
2022	**0.063**

Derby Charter High School., Oakland, CA - Construction DPM & PM2.5
Lazear Charter School - Controlled Emissions
AERMOD Risk Modeling Parameters and Maximum Concentrations
SchoolChild Exposures (1.0 meter receptor heights)

Emissions Years	2022
Receptor Information	
Number of Receptors	44
Receptor Height =	1 meter
Receptor distances =	in school classroom areas
Meteorological Conditions	
BAAQMD Oakland Airport Met Data	2013-2017
Land Use Classification	urban
Wind speed =	variable
Wind direction =	variable

Emission Years	Concentration (µg/m^3) DPM
2022	0.00298

Emission Years	PM2.5 Concentration (µg/m^3)
2022	**0.008**

Derby Charter High School., Oakland, CA - Construction Imacts
Maximum School Child Cancer Risks - Lazear Charter School (K - 8)
SchoolChild Exposures (1.0 meter receptor heights)
1-Year Child Exposure

Cancer Risk Calculation Method

Student Cancer Risk (per million) = CPF x Inhalation Dose x ASF x ED/AT x 1.0E6

Where: CPF = Cancer potency factor $(mg/kg\text{-}day)^{-1}$
ASF = Age sensitivity factor for specified age group
ED = Exposure duration (years)
AT = Averaging time for lifetime cancer risk (years)

Inhalation Dose = C_{air} x SAF x 8hr BR x A x (EF/365) x 10^{-6}

Where: C_{air} = concentration in air ($\mu g/m^3$)
SAF = School Adjustment Factor (unitless) for source operation and school exposures different than 8 hours/da
= (24/SHR) x (SchHR/8 hrs)
SHR = Hours of emission source operation
SchHR = School operation hours while emission source in operation
8-Hr BR = Eight-hour breathing rate (L/kg body weight-per 8 hrs)
A = Inhalation absorption factor
10^{-6} = Conversion factor

Values

Cancer Potency Factors $(mg/kg\text{-}day)^{-1}$

TAC	CPF
DPM	1.10E+00

	Infant	Child
Age -->	0 - <2	2 - <16
Parameter		
ASF	10	3
8-Hr BR* =	1200	520
SchHR** =	0	11
SHR =	9	9
A =	1	1
EF =	0	250
AT =	70	70
SAF =	0.00	3.67

* 95th percentile 8-hr breathing rates for moderate intensity activities
** SchHR assumed to be 11 hours per day

Road Traffic Cancer Risk by Year - Maximum Impact Receptor Location

Exposure Year	Year	Exposure Duration (years)	Age	Maximum - Exposure Info. Age Sensitivity Factor	Annual DPM Conc. (ug/m^3)	Cancer Risk (per million)
1	2022	1	14	3	0.0566	**3.5**

Derby Charter High School., Oakland, CA - Construction Imacts - Uncontrolled
Maximum School Child Cancer Risks - International Community School (K - 5)
School Child Exposures (1.0 meter receptor heights)
1-Year Child Exposure

Cancer Risk Calculation Method

Student Cancer Risk (per million) = CPF x Inhalation Dose x ASF x ED/AT x 1.0E6

Where: CPF = Cancer potency factor $(mg/kg\text{-}day)^{-1}$
ASF = Age sensitivity factor for specified age group
ED = Exposure duration (years)
AT = Averaging time for lifetime cancer risk (years)

Inhalation Dose = C_{air} x SAF x 8hr BR x A x (EF/365) x 10^{-6}

Where: C_{air} = concentration in air ($\mu g/m^3$)
SAF = School Adjustment Factor (unitless) for source operation and school exposures different than 8 hours/day
= (24/SHR) x (SchHR/8 hrs)
SHR = Hours of emission source operation
SchHR = School operation hours while emission source in operation
8-Hr BR = Eight-hour breathing rate (L/kg body weight-per 8 hrs)
A = Inhalation absorption factor
10^{-6} = Conversion factor

Values

Cancer Potency Factors $(mg/kg\text{-}day)^{-1}$

TAC	CPF
DPM	1.10E+00

	Infant	Child
Age -->	0 - <2	2 - <16
Parameter		
ASF	10	3
8-Hr BR* =	1200	520
SchHR** =	0	11
SHR =	9	9
A =	1	1
EF =	0	250
AT =	70	70
SAF =	0.00	3.67

* 95th percentile 8-hr breathing rates for moderate intensity activities
** SchHR assumed to be 11 hours per day

Road Traffic Cancer Risk by Year - Maximum Impact Receptor Location

				Maximum - Exposure Info.		
Exposure Year	Year	Exposure Duration (years)	Age	Age Sensitivity Factor	Annual DPM Conc. (ug/m^3)	Cancer Risk (per million)
1	2022	1	14	3	0.0170	**1.0**

Derby Charter High School., Oakland, CA - Construction DPM & PM2.5
Lazear Charter School - Controlled Emissions
AERMOD Risk Modeling Parameters and Maximum Concentrations
SchoolChild Exposures (1.0 meter receptor heights)

Emissions Years	2022
Receptor Information	
Number of Receptors	44
Receptor Height =	1 meter
Receptor distances =	in school classroom areas

Meteorological Conditions

BAAQMD Oakland Airport Met Data	2013-2017
Land Use Classification	urban
Wind speed =	variable
Wind direction =	variable

Emission Years	Concentration (µg/m^3) DPM
2022	0.00298

Emission Years	PM2.5 Concentration (µg/m^3)
2022	**0.008**

Derby Charter High School., Oakland, CA - Construction DPM & PM2.5
Internationsl Community School - Controlled Emissions
AERMOD Risk Modeling Parameters and Maximum Concentrations
School Child Exposures (1.0 meter receptor heights)

Emissions Years	2022
Receptor Information	
Number of Receptors	58
Receptor Height =	1 meter
Receptor distances =	in school classroom areas

Meteorological Conditions

BAAQMD Oakland Airport Met Data	2013-2017
Land Use Classification	urban
Wind speed =	variable
Wind direction =	variable

Emission Years	Concentration (µg/m^3) DPM
2022	0.00900

Emission Years	PM2.5 Concentration (µg/m^3)
2022	**0.003**

Derby Charter High School., Oakland, CA - Construction Imacts - Controlled Emissions
Maximum School Child Cancer Risks - Lazear Charter School (K - 8)
SchoolChild Exposures (1.0 meter receptor heights)
1-Year Child Exposure

Cancer Risk Calculation Method

Student Cancer Risk (per million) = CPF x Inhalation Dose x ASF x ED/AT x 1.0E6

Where: CPF = Cancer potency factor $(mg/kg\text{-}day)^{-1}$
ASF = Age sensitivity factor for specified age group
ED = Exposure duration (years)
AT = Averaging time for lifetime cancer risk (years)

Inhalation Dose = C_{air} x SAF x 8hr BR x A x (EF/365) x 10^{-6}

Where: C_{air} = concentration in air ($\mu g/m^3$)
SAF = School Adjustment Factor (unitless) for source operation and school exposures different than 8 hours/day
= (24/SHR) x (SchHR/8 hrs)
SHR = Hours of emission source operation
SchHR = School operation hours while emission source in operation
8-Hr BR = Eight-hour breathing rate (L/kg body weight-per 8 hrs)
A = Inhalation absorption factor
10^{-6} = Conversion factor

Values

Cancer Potency Factors $(mg/kg\text{-}day)^{-1}$

TAC	CPF
DPM	1.10E+00

	Infant	Child
Age -->	0 - <2	2 - <16
Parameter		
ASF	10	3
8-Hr BR* =	1200	520
SchHR** =	0	11
SHR =	9	9
A =	1	1
EF =	0	250
AT =	70	70
SAF =	0.00	3.67

* 95th percentile 8-hr breathing rates for moderate intensity activities
** SchHR assumed to be 11 hours per day

Road Traffic Cancer Risk by Year - Maximum Impact Receptor Location

Exposure Year	Year	Exposure Duration (years)	Age	Maximum - Exposure Info. Age Sensitivity Factor	Annual DPM Conc. (ug/m^3)	Cancer Risk (per million)
1	2022	1	14	3	0.0030	**0.2**

Derby Charter High School., Oakland, CA - Construction Imacts - Controlled Emissions
Maximum School Child Cancer Risks - International Community School (K - 5)
School Child Exposures (1.0 meter receptor heights)
1-Year Child Exposure

Cancer Risk Calculation Method

Student Cancer Risk (per million) = CPF x Inhalation Dose x ASF x ED/AT x 1.0E6

Where: CPF = Cancer potency factor $(mg/kg\text{-}day)^{-1}$
ASF = Age sensitivity factor for specified age group
ED = Exposure duration (years)
AT = Averaging time for lifetime cancer risk (years)

Inhalation Dose = C_{air} x SAF x 8hr BR x A x (EF/365) x 10^{-6}

Where: C_{air} = concentration in air ($\mu g/m^3$)
SAF = School Adjustment Factor (unitless) for source operation and school exposures different than 8 hours/day
= (24/SHR) x (SchHR/8 hrs)
SHR = Hours of emission source operation
SchHR = School operation hours while emission source in operation
8-Hr BR = Eight-hour breathing rate (L/kg body weight-per 8 hrs)
A = Inhalation absorption factor
10^{-6} = Conversion factor

Values

Cancer Potency Factors $(mg/kg\text{-}day)^{-1}$

TAC	CPF
DPM	1.10E+00

	Infant	Child
Age -->	0 - <2	2 - <16
Parameter		
ASF	10	3
8-Hr BR* =	1200	520
SchHR** =	0	11
SHR =	9	9
A =	1	1
EF =	0	250
AT =	70	70
SAF =	0.00	3.67

* 95th percentile 8-hr breathing rates for moderate intensity activities
** SchHR assumed to be 11 hours per day

Road Traffic Cancer Risk by Year - Maximum Impact Receptor Location

Exposure Year	Year	Exposure Duration (years)	Age	Maximum - Exposure Info. Age Sensitivity Factor	Maximum - Exposure Info. Annual DPM Conc. (ug/m^3)	Cancer Risk (per million)
1	2022	1	14	3	0.0090	**0.6**

Attachment 4: Health Risk Calculations for Nearby Sources

-UPRR
-I-880
-Local Roadways
-Shopping Center Loading Docks
-BAAQMD Permitted Sources

Rail Line Emissions and Health Risk Calculations

Derby Charter High School - Oakland, CA
DPM Modeling - Rail Line Information and DPM and PM2.5 Emission Rates
Diesel-Powered Passenger and Freight Trains

Year	Description	Modeled No. Lines	Link Width (ft)	Link Width (m)	Link Length (ft)	Link Length (miles)	Link Length (m)	Release Height (m)	No. Trains per Day	Train Travel Speed (mph)	DPM Emission Rates: Average Daily Emission Rate (g/mi/day)	DPM Emission Rates: Average Daily Emission Rate (g/day)	DPM Emission Rates: Link Emission Rate (g/s)	DPM Emission Rates: Link Emission Rate (lb/hr)
2022	Passenger Trains								19	40	46.9	28.8	3.33E-04	2.64E-03
	Freight Trains								24	40	111.5	68.4	7.92E-04	6.28E-03
	Total	**1**	**33**	**10.1**	**3,241**	**0.61**	**988**	**5.0**	**43**	**-**	**158.3**	**97.2**	**1.12E-03**	**8.93E-03**

Notes: Emission based on Emission Factors for Locomotives, USEPA 2009 (EPA-420-F-09-025)
Average emissions for 2023 assumed to conservatively represent emissions over the entire 2023-2052 exposure period.
Fuel correction factors from Offroad Modeling Change Technical memo, Changes to the Locomotive Inventory, CARB July 2006.
Passenger trains assumed to operate for 24 hours per day
Freight trains assumed to operate for 24 hours per day

Passenger Trains	**Capitol Corridor**	**Amtrak Starlight**	**Total**
Passenger trains - weekday =	18	2	20
Passenger trains - weekend =	15	2	17
Passenger trains - Sat only =	0	0	0
Total Trains =	33	4	37
Annual average daily trains =	17	2	19
Locomotive horsepower =	3200	3200	-
Locomotives per train =	1	1	-
Locomotive engine load =	0.5	0.5	-
Freight trains per day =			
Freight trains per day =	24	7 days/week	
Locomotive horsepower =	2300		
Locomotives per train =	2		
Total horsepower =	4600		
Locomotive engine load =	0.5		

Locomotive DPM Emission Factors (g/hp-hr)

Train Type	2022
Passenger	0.0865
Freight	0.0962

	CARB Fuel Adj Factor 2010	2011+
Passenger	0.717	0.709
Freight	0.851	0.840

1045 Derby Ave., Oakland, CA - Rail Traffic - TACs & PM2.5
Maximum Cancer Risk and PM2.5 Concentration
AERMOD Risk Modeling Parameters and Maximum Concentrations
School Child Exposures (1.5 meter receptor heights)

Emissions Years 2022

Receptor Information

Number of Receptors 136
Receptor Height = 1.5 meters
Receptor distances = 6 meter spacing in school building areas

Meteorological Conditions

BAAQMD Oakland Airport Met Data 2013-2017
Land Use Classification urban
Wind speed = variable
Wind direction = variable

Emission Years	DPM Concentration (µg/m3)
2022	0.04636

Emission Years	PM2.5 Concentration (µg/m3)
2022	0.04636

Derby Charter High School., Oakland, CA - Rail Traffic
Maximum HighSchool Child Cancer Risks
School Child Exposures (1.5 meter receptor heights)
4-Year Child Exposure (Ages 14 - 17)

Cancer Risk Calculation Method

Student Cancer Risk (per million) = CPF x Inhalation Dose x ASF x ED/AT x 1.0E6

Where: CPF = Cancer potency factor $(mg/kg\text{-}day)^{-1}$
ASF = Age sensitivity factor for specified age group
ED = Exposure duration (years)
AT = Averaging time for lifetime cancer risk (years)

Inhalation Dose = C_{air} x SAF x 8hr BR x A x (EF/365) x 10^{-6}

Where: C_{air} = concentration in air ($\mu g/m^3$)
SAF = School Adjustment Factor (unitless) for source operation and school exposures differer
= (24/SHR) x (SchHR/8 hrs)
SHR = Hours of emission source operation
SchHR = School operation hours while emission source in operation
8-Hr BR = Eight-hour breathing rate (L/kg body weight-per 8 hrs)
A = Inhalation absorption factor
10^{-6} = Conversion factor

Values

Cancer Potency Factors $(mg/kg\text{-}day)^{-1}$

TAC	CPF
DPM	1.10E+00
Vehicle TOG Exhaust	6.28E-03
Vehicle TOG Evaporative	3.70E-04

	Infant	Child
Age -->	0 - <2	2 - <16
Parameter		
ASF	10	3
8-Hr BR* =	1200	520
SchHR** =	11	11
SHR =	24	24
A =	1	1
EF =	180	180
AT =	70	70
SAF =	1.38	1.38

* 95th percentile 8-hr breathing rates for moderate intensity activities
** SchHR based on hours from 7:00 am to 6:00 pm

Road Traffic Cancer Risk by Year - Maximum Impact Receptor Location

Exposure Year	Year	Exposure Duration (years)	Age	Age Sensitivity Factor	DPM Annual Concentration (ug/m3)	DPM Cancer Risk (per million)
1	2022	1	14	3	0.0464	0.771
2	2023	1	15	3	0.0464	0.771
3	2024	1	16	3	0.0464	0.771
4	2025	1	17	3	0.0464	0.771
Total Increased Cancer Risk						**3.08**

I-880 Emissions and Health Risk Calculations

```
           File Name:   Alameda (SF) - 2022 - Annual - I-800.EF
CT-EMFAC2017 Version:   1.0.2.27401
            Run Date:   1/31/2021 11:01:26 PM
                Area:   Alameda (SF)
       Analysis Year:   2022
              Season:   Annual

=====================================================================

Vehicle Category        VMT Fraction            Diesel VMT Fraction     Gas VMT Fraction
                        Across Category         Within Category         Within Category
         Truck 1             0.030                 0.452                   0.548
         Truck 2             0.066                 0.959                   0.030
       Non-Truck             0.904                 0.014                   0.965

=====================================================================

               Road Type:                Freeway
     Silt Loading Factor:                   CARB         0.015 g/m2
Precipitation Correction:                   CARB         P = 61 days     N = 365 days

=====================================================================

Fleet Average Running Exhaust Emission Factors (grams/veh-mile)

       Pollutant Name     10 mph     20 mph     30 mph     40 mph     50 mph     60 mph     65 mph
                 PM2.5   0.005958   0.003499   0.002721   0.002715   0.003276   0.004180   0.004294
                   TOG   0.109611   0.057312   0.037842   0.030002   0.029022   0.034655   0.037350
             Diesel PM   0.002584   0.001762   0.001623   0.001865   0.002462   0.003166   0.003166
                  DEOG   0.021805   0.009452   0.005952   0.004196   0.003647   0.003994   0.004173

=====================================================================

Fleet Average Running Loss Emission Factors (grams/veh-hour)

       Pollutant Name   Emission Factor
                  TOG          1.504948

=====================================================================

Fleet Average Tire Wear Factors (grams/veh-mile)

       Pollutant Name   Emission Factor
                 PM2.5          0.002346

=====================================================================

Fleet Average Brake Wear Factors (grams/veh-mile)

       Pollutant Name   Emission Factor
                 PM2.5          0.017825

=====================================================================

Fleet Average Road Dust Factors (grams/veh-mile)

       Pollutant Name   Emission Factor
                 PM2.5          0.010284

============================END==========================================
```

Derby Charter high School Oakland - Roadway Emissions
Interstate 880
DPM Modeling - Roadway Links, Traffic Volumes, and DPM Emissions
Year = 2022

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day
EB880_DPM	Eastbound I-880	NW	4	759.2	0.47	14.6	48.0	3.4	Variable	110,056
WB880_DPM	Westbound I-880	SE	4	755.1	0.47	14.6	48.0	3.4	Variable	110,056
									Total	220,111

Emission Factors

Speed Category	1	2	3	4
Travel Speed (mph)	65	50	30	20
Emissions per Vehicle (g/VMT)	0.00317	0.002462	0.001623	0.001762

Emisson Factors from CT-EMFAC2017

2022 Hourly Traffic Volumes and DPM Emissions - EB880_DPM

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	3.81%	4198	1.74E-03	9	6.66%	7335	2.37E-03	17	6.50%	7152	1.52E-03
2	3.15%	3468	1.44E-03	10	8.16%	8977	3.72E-03	18	3.85%	4232	9.00E-04
3	2.32%	2555	1.06E-03	11	6.33%	6970	2.89E-03	19	2.35%	2589	1.07E-03
4	1.00%	1095	4.54E-04	12	7.66%	8430	3.50E-03	20	1.19%	1312	5.44E-04
5	1.00%	1095	4.54E-04	13	6.83%	7517	3.12E-03	21	3.02%	3319	1.38E-03
6	2.16%	2373	9.84E-04	14	6.66%	7335	3.04E-03	22	5.01%	5510	2.29E-03
7	4.67%	5145	2.13E-03	15	6.00%	6605	2.74E-03	23	3.32%	3650	1.51E-03
8	3.35%	3684	1.19E-03	16	4.34%	4780	1.98E-03	24	0.66%	730	3.03E-04
								Total		110,056	

2022 Hourly Traffic Volumes Per Direction and DPM Emissions - WB880_DPM

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	3.81%	4198	1.73E-03	9	6.66%	7335	1.68E-03	17	6.50%	7152	2.29E-03
2	3.15%	3468	1.43E-03	10	8.16%	8977	3.70E-03	18	3.85%	4232	1.36E-03
3	2.32%	2555	1.05E-03	11	6.33%	6970	2.88E-03	19	2.35%	2589	1.07E-03
4	1.00%	1095	4.52E-04	12	7.66%	8430	3.48E-03	20	1.19%	1312	5.41E-04
5	1.00%	1095	4.52E-04	13	6.83%	7517	3.10E-03	21	3.02%	3319	1.37E-03
6	2.16%	2373	9.79E-04	14	6.66%	7335	3.03E-03	22	5.01%	5510	2.27E-03
7	4.67%	5145	2.12E-03	15	6.00%	6605	2.73E-03	23	3.32%	3650	1.51E-03
8	3.35%	3684	8.46E-04	16	4.34%	4780	1.97E-03	24	0.66%	730	3.01E-04
								Total		110,056	

Analysis Year = ***2022***

Vehicle Type	2019 Caltrans Vehicles (veh/day)	2022 Vehicles (veh/day)
Truck 1 (MDT)	6,442	6,635
Truck 2 (HDT)	14,073	14,496
Non-Truck	193,185	198,980
Total	**213,700**	**220,111**

Increase From 2019	1.03
Vehicles/Direction	**110,056**
Avg Vehicles/Hour/Direction	4,586

Traffic Data Year = ***2019***

Caltrans Truck AADT Data (2019)	AADT Total
Rte 880, Oakland, A Jct. Rte. 77	213,700

Percent of Total Vehicles

Traffic Increase per Year (%) = *1.00%*

Derby Charter high School Oakland - Roadway Emissions
Interstate 880
PM2.5 Modeling - Roadway Links, Traffic Volumes, and PM2.5 Emissions
Year = 2022

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day
EB880_PM25	Eastbound I-880	NW	4	759.2	0.47	14.6	48	1.3	Variable	110,056
WB880_PM25	Westbound I-880	SE	4	755.1	0.47	14.6	48	1.3	Variable	110,056
									Total	220,111

Emission Factors - PM2.5

Speed Category	1	2	3	4
Travel Speed (mph)	65	50	30	20
Emissions per Vehicle (g/VMT)	0.004294	0.00328	0.002721	0.003499

Emisson Factors from CT-EMFAC2017

2022 Hourly Traffic Volumes and PM2.5 Emissions - EB880_PM25

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.12%	1233	6.94E-04	9	7.12%	7833	3.36E-03	17	7.43%	8180	2.92E-03
2	0.41%	455	2.56E-04	10	4.37%	4814	2.71E-03	18	8.24%	9066	3.23E-03
3	0.37%	413	2.32E-04	11	4.65%	5119	2.88E-03	19	5.72%	6296	3.54E-03
4	0.17%	188	1.06E-04	12	5.89%	6479	3.65E-03	20	4.30%	4735	2.66E-03
5	0.46%	506	2.85E-04	13	6.17%	6788	3.82E-03	21	3.25%	3577	2.01E-03
6	0.85%	933	5.25E-04	14	6.05%	6661	3.75E-03	22	3.31%	3647	2.05E-03
7	3.73%	4107	2.31E-03	15	7.06%	7768	4.37E-03	23	2.48%	2733	1.54E-03
8	7.77%	8551	3.67E-03	16	7.19%	7913	4.45E-03	24	1.87%	2063	1.16E-03
								Total		110,056	

2022 Hourly Traffic Volumes Per Direction and PM2.5 Emissions - WB880_PM25

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.12%	1233	6.90E-04	9	7.12%	7833	3.57E-03	17	7.43%	8180	3.49E-03
2	0.41%	455	2.54E-04	10	4.37%	4814	2.69E-03	18	8.24%	9066	3.87E-03
3	0.37%	413	2.31E-04	11	4.65%	5119	2.86E-03	19	5.72%	6296	3.52E-03
4	0.17%	188	1.05E-04	12	5.89%	6479	3.63E-03	20	4.30%	4735	2.65E-03
5	0.46%	506	2.83E-04	13	6.17%	6788	3.80E-03	21	3.25%	3577	2.00E-03
6	0.85%	933	5.22E-04	14	6.05%	6661	3.73E-03	22	3.31%	3647	2.04E-03
7	3.73%	4107	2.30E-03	15	7.06%	7768	4.35E-03	23	2.48%	2733	1.53E-03
8	7.77%	8551	3.90E-03	16	7.19%	7913	4.43E-03	24	1.87%	2063	1.15E-03
								Total		110,056	

Derby Charter high School Oakland - Roadway Emissions
Interstate 880
TOG Exhaust Modeling - Roadway Links, Traffic Volumes, and TOG Exhaust Emissions
Year = 2022

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day
EB880_TEXH	Eastbound I-880	NW	4	759.2	0.47	14.6	48	1.3	Variable	110,056
WB880_TEXH	Westbound I-880	SE	4	755.1	0.47	14.6	48	1.3	Variable	110,056
									Total	220,111

Emission Factors - TOG Exhaust

Speed Category	1	2	3	4
Travel Speed (mph)	65	50	30	20
All Vehicles TOG Emissions per Vehicle (g/VMT)	0.037350	0.029022	0.03784	0.05731
Diesel Vehicles TOG Emissions per Vehicle (g/VMT)	0.004173	0.003647	0.00595	0.00945
Gasoline Vehicles Emissions per Vehicle (g/VMT)	0.03318	0.02538	0.03189	0.04786

Emisson Factors from CT-EMFAC2017

2022 Hourly Traffic Volumes and TOG Exhaust Emissions - EB880_TEXH

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.12%	1233	5.36E-03	9	7.12%	7833	2.60E-02	17	7.43%	8180	3.42E-02
2	0.41%	455	1.98E-03	10	4.37%	4814	2.09E-02	18	8.24%	9066	3.79E-02
3	0.37%	413	1.79E-03	11	4.65%	5119	2.23E-02	19	5.72%	6296	2.74E-02
4	0.17%	188	8.15E-04	12	5.89%	6479	2.82E-02	20	4.30%	4735	2.06E-02
5	0.46%	506	2.20E-03	13	6.17%	6788	2.95E-02	21	3.25%	3577	1.56E-02
6	0.85%	933	4.06E-03	14	6.05%	6661	2.90E-02	22	3.31%	3647	1.59E-02
7	3.73%	4107	1.79E-02	15	7.06%	7768	3.38E-02	23	2.48%	2733	1.19E-02
8	7.77%	8551	2.84E-02	16	7.19%	7913	3.44E-02	24	1.87%	2063	8.97E-03
								Total		110,056	

2022 Hourly Traffic Volumes Per Direction and TOG Exhaust Emissions - WB880_TEXH

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.12%	1233	5.33E-03	9	7.12%	7833	4.89E-02	17	7.43%	8180	2.71E-02
2	0.41%	455	1.97E-03	10	4.37%	4814	2.08E-02	18	8.24%	9066	3.00E-02
3	0.37%	413	1.78E-03	11	4.65%	5119	2.21E-02	19	5.72%	6296	2.72E-02
4	0.17%	188	8.11E-04	12	5.89%	6479	2.80E-02	20	4.30%	4735	2.05E-02
5	0.46%	506	2.19E-03	13	6.17%	6788	2.93E-02	21	3.25%	3577	1.55E-02
6	0.85%	933	4.03E-03	14	6.05%	6661	2.88E-02	22	3.31%	3647	1.58E-02
7	3.73%	4107	1.78E-02	15	7.06%	7768	3.36E-02	23	2.48%	2733	1.18E-02
8	7.77%	8551	5.33E-02	16	7.19%	7913	3.42E-02	24	1.87%	2063	8.92E-03
								Total		110,056	

Derby Charter high School Oakland - Roadway Emissions
Interstate 880
TOG Evaporative Emissions Modeling - Roadway Links, Traffic Volumes, and TOG Evaporative Emissions
Year = 2022

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day
ENB880_TEVAP	Eastbound I-880	NW	4	759.2	0.47	14.6	48	1.3	Variable	110,056
WB880_TEVAP	Westbound I-880	SE	4	755.1	0.47	14.6	48	1.3	Variable	110,056
									Total	220,111

Emission Factors - PM2.5 - Evaporative TOG

Speed Category	1	2	3	4
Travel Speed (mph)	65	50	30	20
Emissions per Vehicle per Hour (g/hour)	1.50495	1.50495	1.50495	1.50495
Emissions per Vehicle per Mile (g/VMT)	0.02315	0.03010	0.05016	0.07525

Emisson Factors from CT-EMFAC2017

2022 Hourly Traffic Volumes and TOG Evaporative Emissions - ENB880_TEVAP

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.12%	1233	3.74E-03	9	7.12%	7833	3.09E-02	17	7.43%	8180	5.38E-02
2	0.41%	455	1.38E-03	10	4.37%	4814	1.46E-02	18	8.24%	9066	5.96E-02
3	0.37%	413	1.25E-03	11	4.65%	5119	1.55E-02	19	5.72%	6296	1.91E-02
4	0.17%	188	5.69E-04	12	5.89%	6479	1.97E-02	20	4.30%	4735	1.44E-02
5	0.46%	506	1.54E-03	13	6.17%	6788	2.06E-02	21	3.25%	3577	1.09E-02
6	0.85%	933	2.83E-03	14	6.05%	6661	2.02E-02	22	3.31%	3647	1.11E-02
7	3.73%	4107	1.25E-02	15	7.06%	7768	2.36E-02	23	2.48%	2733	8.29E-03
8	7.77%	8551	3.37E-02	16	7.19%	7913	2.40E-02	24	1.87%	2063	6.26E-03
								Total		110,056	

2022 Hourly Traffic Volumes Per Direction and TOG Evaporative Emissions - WB880_TEVAP

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.12%	1233	3.72E-03	9	7.12%	7833	7.68E-02	17	7.43%	8180	3.21E-02
2	0.41%	455	1.37E-03	10	4.37%	4814	1.45E-02	18	8.24%	9066	3.56E-02
3	0.37%	413	1.24E-03	11	4.65%	5119	1.54E-02	19	5.72%	6296	1.90E-02
4	0.17%	188	5.66E-04	12	5.89%	6479	1.95E-02	20	4.30%	4735	1.43E-02
5	0.46%	506	1.53E-03	13	6.17%	6788	2.05E-02	21	3.25%	3577	1.08E-02
6	0.85%	933	2.81E-03	14	6.05%	6661	2.01E-02	22	3.31%	3647	1.10E-02
7	3.73%	4107	1.24E-02	15	7.06%	7768	2.34E-02	23	2.48%	2733	8.25E-03
8	7.77%	8551	8.39E-02	16	7.19%	7913	2.39E-02	24	1.87%	2063	6.22E-03
								Total		110,056	

Derby Charter high School Oakland - Roadway Emissions
Interstate 880
Fugitive Road PM2.5 Modeling - Roadway Links, Traffic Volumes, and Fugitive Road PM2.5 Emissions
Year = 2022

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day
EB880_FUG	Eastbound I-880	NW	4	759.2	0.47	14.6	48	1.3	Variable	110,056
WB880_FUG	Westbound I-880	SE	4	755.1	0.47	14.6	48	1.3	Variable	110,056
									Total	220,111

Emission Factors - Fugitive PM2.5

Speed Category	1	2	3	4
Travel Speed (mph)	65	50	30	20
Tire Wear - Emissions per Vehicle (g/VMT)	0.00235	0.00235		
Brake Wear - Emissions per Vehicle (g/VMT)	0.01783	0.01783		
Road Dust - Emissions per Vehicle (g/VMT)	0.01028	0.01028		
Total Fugitive PM2.5 - Emissions per Vehicle (g/VMT)	0.03046	0.03046		

Emisson Factors from CT-EMFAC2017

2022 Hourly Traffic Volumes and Fugitive PM2.5 Emissions - EB880_FUG

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.12%	1233	4.92E-03	9	7.12%	7833	3.13E-02	17	7.43%	8180	0.00E+00
2	0.41%	455	1.81E-03	10	4.37%	4814	1.92E-02	18	8.24%	9066	0.00E+00
3	0.37%	413	1.65E-03	11	4.65%	5119	2.04E-02	19	5.72%	6296	2.51E-02
4	0.17%	188	7.48E-04	12	5.89%	6479	2.59E-02	20	4.30%	4735	1.89E-02
5	0.46%	506	2.02E-03	13	6.17%	6788	2.71E-02	21	3.25%	3577	1.43E-02
6	0.85%	933	3.72E-03	14	6.05%	6661	2.66E-02	22	3.31%	3647	1.46E-02
7	3.73%	4107	1.64E-02	15	7.06%	7768	3.10E-02	23	2.48%	2733	1.09E-02
8	7.77%	8551	3.41E-02	16	7.19%	7913	3.16E-02	24	1.87%	2063	8.23E-03
								Total		110,056	

2022 Hourly Traffic Volumes Per Direction and Fugitive PM2.5 Emissions - WB880_FUG

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.12%	1233	4.89E-03	9	7.12%	7833	0.00E+00	17	7.43%	8180	3.25E-02
2	0.41%	455	1.80E-03	10	4.37%	4814	1.91E-02	18	8.24%	9066	3.60E-02
3	0.37%	413	1.64E-03	11	4.65%	5119	2.03E-02	19	5.72%	6296	2.50E-02
4	0.17%	188	7.44E-04	12	5.89%	6479	2.57E-02	20	4.30%	4735	1.88E-02
5	0.46%	506	2.01E-03	13	6.17%	6788	2.69E-02	21	3.25%	3577	1.42E-02
6	0.85%	933	3.70E-03	14	6.05%	6661	2.64E-02	22	3.31%	3647	1.45E-02
7	3.73%	4107	1.63E-02	15	7.06%	7768	3.08E-02	23	2.48%	2733	1.08E-02
8	7.77%	8551	0.00E+00	16	7.19%	7913	3.14E-02	24	1.87%	2063	8.19E-03
								Total		110,056	

Derby Charter High School., Oakland, CA - I-880 Traffic - TACs & PM2.5
Maximum Cancer Risk and PM2.5 Concentration
AERMOD Risk Modeling Parameters and Maximum Concentrations
Child Exposures (1.5 meter receptor heights)

Emissions Years	2022
Receptor Information	
Number of Receptors	136
Receptor Height =	1.5 meters
Receptor distances =	6 meter spacing in school building areas

Meteorological Conditions	
BAAQMD Oakland Airport Met Data	2013-2017
Land Use Classification	urban
Wind speed =	variable
Wind direction =	variable

Emission Years	Concentration ($\mu g/m^3$)		
	DPM	**Exhaust TOG**	**Evaporative TOG**
2022	0.01647	0.1666	0.1508

Emission Years	PM2.5 Concentrations ($\mu g/m^3$)		
	Total PM2.5		
2022	**0.152**	-	-

Derby Charter High School., Oakland, CA - Interstate 880 Traffic
Maximum HighSchool Child Cancer Risks
Child Exposures (1.5 meter receptor heights)
4-Year Child Exposure (Ages 14 - 17)

Cancer Risk Calculation Method

Student Cancer Risk (per million) = CPF x Inhalation Dose x ASF x ED/AT x 1.0E6

Where: CPF = Cancer potency factor $(mg/kg\text{-}day)^{-1}$
ASF = Age sensitivity factor for specified age group
ED = Exposure duration (years)
AT = Averaging time for lifetime cancer risk (years)

Inhalation Dose = C_{air} x SAF x 8hr BR x A x (EF/365) x 10^{-6}

Where: C_{air} = concentration in air ($\mu g/m^3$)
SAF = School Adjustment Factor (unitless) for source operation and school exposures different than 8 hours/day
= (24/SHR) x (SchHR/8 hrs)
SHR = Hours of emission source operation
SchHR = School operation hours while emission source in operation
8-Hr BR = Eight-hour breathing rate (L/kg body weight-per 8 hrs)
A = Inhalation absorption factor
10^{-6} = Conversion factor

Values

Cancer Potency Factors $(mg/kg\text{-}day)^{-1}$

TAC	CPF
DPM	1.10E+00
Vehicle TOG Exhaust	6.28E-03
Vehicle TOG Evaporative	3.70E-04

	Infant	Child
Age -->	0 - <2	2 - <16
Parameter		
ASF	10	3
8-Hr BR* =	1200	520
SchHR** =	0	11
SHR =	24	24
A =	1	1
EF =	0	250
AT =	70	70
SAF =	0.00	1.38

* 95th percentile 8-hr breathing rates for moderate intensity activities
** SchHR assumed to be 11 hours per day

Road Traffic Cancer Risk by Year - Maximum Impact Receptor Location

				Maximum - Exposure Information							
				Age	Annual TAC Conc (ug/m3)			Cancer Risk (per million)			
Exposure Year	Year	Exposure Duration (years)	Age	Sensitivity Factor	DPM	Exhaust TOG	Evaporative TOG	DPM	Exhaust TOG	Evaporative TOG	Total
1	2022	1	14	3	0.0165	0.1666	0.1508	0.380	0.022	0.0012	0.40
2	2023	1	15	3	0.0165	0.1666	0.1508	0.380	0.022	0.0012	0.40
3	2024	1	16	3	0.0165	0.1666	0.1508	0.380	0.022	0.001	0.40
4	2025	1	17	3	0.0165	0.1666	0.1508	0.380	0.022	0.001	0.40
Total Increased Cancer Risk								1.521	0.110	0.006	**1.64**

Local Roads Emissions and Health Risk Calculations

Traffic ADT Estimates (Existing Plus Project)

		PM	AM	ADT
#1	12th St and 29th Ave			
	12th St	30	508	10,105
		369	51	
		27	216	
		64	205	
		97	144	
		817	31	
	29th	115	177	13,640
		422	380	
		97	144	
		27	17	
		903	395	
		127	216	
#4	10th St and Fruitvale Ave			
	10th St	329	508	7,725
		25	51	
		202	216	
		161	144	
		159	31	
		351	205	
	Fruitvale	27	78	15,130
		440	395	
		351	205	
		329	508	
		413	380	
		2	3	

International Blvd

21,000

Local Roadway Emission Factors

```
           File Name:   Alameda (SF) - 2022 - Annual-BAAQMD Trucks.EF
CT-EMFAC2017 Version:   1.0.2.27401
            Run Date:   3/3/2021 5:36:20 PM
                Area:   Alameda (SF)
       Analysis Year:   2022
              Season:   Annual

=======================================================================

Vehicle Category        VMT Fraction            Diesel VMT Fraction     Gas VMT Fraction
                        Across Category         Within Category         Within Category
         Truck 1             0.011                 0.452                   0.548
         Truck 2             0.030                 0.959                   0.030
       Non-Truck             0.959                 0.014                   0.965

=======================================================================

               Road Type:       Major/Collector
     Silt Loading Factor:                  CARB         0.032 g/m2
Precipitation Correction:                  CARB         P = 61 days     N = 365 days

=======================================================================

Fleet Average Running Exhaust Emission Factors (grams/veh-mile)

       Pollutant Name   <= 5 mph     10 mph     15 mph     20 mph     25 mph     30 mph
                 PM2.5   0.010610   0.007096   0.004877   0.003523   0.002729   0.002254
                   TOG   0.226917   0.149573   0.100190   0.070707   0.053479   0.042605
            Diesel PM   0.002023   0.001689   0.001282   0.001003   0.000867   0.000805
                 DEOG   0.024420   0.018127   0.010423   0.006088   0.004475   0.003516

=======================================================================

Fleet Average Running Loss Emission Factors (grams/veh-hour)

       Pollutant Name   Emission Factor
                  TOG          1.494219

=======================================================================

Fleet Average Tire Wear Factors (grams/veh-mile)

       Pollutant Name   Emission Factor
                 PM2.5          0.002161

=======================================================================

Fleet Average Brake Wear Factors (grams/veh-mile)

       Pollutant Name   Emission Factor
                 PM2.5          0.016738

=======================================================================

Fleet Average Road Dust Factors (grams/veh-mile)

       Pollutant Name   Emission Factor
                 PM2.5          0.016069

=============================END=========================================
```

29th Avenue Emissions and Health Risk Calculations

Derby Charter High School - Roadway Emissions
29th Avenue
DPM Modeling - Roadway Links, Traffic Volumes, and DPM Emissions
Year = 2022

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day
NB29th_DPM	Northbound 29th Avenue	NE	2	863.3	0.54	7.3	24.0	3.4	variable	6,820
SB29th_DPM	Southbound 29th Avenue	SW	2	863.3	0.54	7.3	24.0	3.4	variable	6,820
									Total	13,640

Emission Factors

Speed Category	1	2	3	4
Travel Speed (mph)	25	20		
Emissions per Vehicle (g/VMT)	0.00087	0.001003		

Emission Factors from CT-EMFAC2017

2022 Hourly Traffic Volumes and DPM Emissions - NB29th_DPM

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	3.77%	257	3.32E-05	9	6.07%	414	6.19E-05	17	5.28%	360	5.38E-05
2	2.23%	152	1.96E-05	10	7.18%	490	6.33E-05	18	2.84%	194	2.89E-05
3	2.66%	181	2.34E-05	11	6.43%	438	5.66E-05	19	2.51%	171	2.22E-05
4	3.99%	272	3.51E-05	12	6.90%	470	6.08E-05	20	1.11%	76	9.81E-06
5	2.37%	162	2.09E-05	13	6.29%	429	5.54E-05	21	3.05%	208	2.69E-05
6	3.77%	257	3.32E-05	14	6.25%	426	5.51E-05	22	3.95%	269	3.48E-05
7	6.25%	426	5.51E-05	15	5.24%	358	4.62E-05	23	2.26%	154	1.99E-05
8	4.92%	336	5.02E-05	16	3.59%	245	3.16E-05	24	1.08%	73	9.49E-06
								Total		6,820	

2022 Hourly Traffic Volumes Per Direction and DPM Emissions - SB29th_DPM

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	3.77%	257	3.32E-05	9	6.07%	414	6.19E-05	17	5.28%	360	5.38E-05
2	2.23%	152	1.96E-05	10	7.18%	490	6.33E-05	18	2.84%	194	2.89E-05
3	2.66%	181	2.34E-05	11	6.43%	438	5.66E-05	19	2.51%	171	2.22E-05
4	3.99%	272	3.51E-05	12	6.90%	470	6.08E-05	20	1.11%	76	9.81E-06
5	2.37%	162	2.09E-05	13	6.29%	429	5.54E-05	21	3.05%	208	2.69E-05
6	3.77%	257	3.32E-05	14	6.25%	426	5.51E-05	22	3.95%	269	3.48E-05
7	6.25%	426	5.51E-05	15	5.24%	358	4.62E-05	23	2.26%	154	1.99E-05
8	4.92%	336	5.02E-05	16	3.59%	245	3.16E-05	24	1.08%	73	9.49E-06
								Total		6,820	

Analysis Year = ***2022***

Vehicle Type	2022 Caltrans Vehicles (veh/day)	2022 Vehicles (veh/day)
Total	**13,640**	**13,640**

Increase From 2022	1.00
Vehicles/Direction	**6,820**
Avg Vehicles/Hour/Direction	284

Traffic Data Year = ***2022***

Project Traffic Report	AADT Total
29th Avenue	13,640

Percent of Total Vehicles

Derby Charter High School - Roadway Emissions
29th Avenue
PM2.5 Modeling - Roadway Links, Traffic Volumes, and PM2.5 Emissions
Year = 2022

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day
NB29th_PM25	Northbound 29th Avenue	NE	2	863.3	0.54	7.3	24	1.3	variable	6,820
SB29th_PM25	Southbound 29th Avenue	SW	2	863.3	0.54	7.3	24	1.3	variable	6,820
									Total	13,640

Emission Factors - PM2.5

Speed Category	1	2	3	4
Travel Speed (mph)	25	20		
Emissions per Vehicle (g/VMT)	0.002729	0.00352		

Emisson Factors from CT-EMFAC2017

2022 Hourly Traffic Volumes and PM2.5 Emissions - NB29th_PM25

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.22%	83	3.38E-05	9	7.08%	483	2.54E-04	17	7.32%	499	2.62E-04
2	0.45%	31	1.25E-05	10	4.47%	305	1.24E-04	18	8.02%	547	2.87E-04
3	0.47%	32	1.30E-05	11	4.71%	321	1.31E-04	19	5.62%	383	1.56E-04
4	0.39%	26	1.07E-05	12	5.92%	404	1.64E-04	20	4.19%	286	1.16E-04
5	0.55%	38	1.53E-05	13	6.15%	420	1.71E-04	21	3.25%	222	9.01E-05
6	1.00%	68	2.78E-05	14	6.05%	412	1.68E-04	22	3.31%	226	9.17E-05
7	3.86%	263	1.07E-04	15	6.96%	475	1.93E-04	23	2.45%	167	6.79E-05
8	7.68%	524	2.75E-04	16	7.03%	480	1.95E-04	24	1.85%	126	5.13E-05
								Total		6,820	

2022 Hourly Traffic Volumes Per Direction and PM2.5 Emissions - SB29th_PM25

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.22%	83	3.38E-05	9	7.08%	483	2.54E-04	17	7.32%	499	2.62E-04
2	0.45%	31	1.25E-05	10	4.47%	305	1.24E-04	18	8.02%	547	2.87E-04
3	0.47%	32	1.30E-05	11	4.71%	321	1.31E-04	19	5.62%	383	1.56E-04
4	0.39%	26	1.07E-05	12	5.92%	404	1.64E-04	20	4.19%	286	1.16E-04
5	0.55%	38	1.53E-05	13	6.15%	420	1.71E-04	21	3.25%	222	9.01E-05
6	1.00%	68	2.78E-05	14	6.05%	412	1.68E-04	22	3.31%	226	9.17E-05
7	3.86%	263	1.07E-04	15	6.96%	475	1.93E-04	23	2.45%	167	6.79E-05
8	7.68%	524	2.75E-04	16	7.03%	480	1.95E-04	24	1.85%	126	5.13E-05
								Total		6,820	

Derby Charter High School - Roadway Emissions
29th Avenue
TOG Exhaust Modeling - Roadway Links, Traffic Volumes, and TOG Exhaust Emissions
Year = 2022

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day
NB29th_TEXH	Northbound 29th Avenue	NE	2	863.3	0.54	7.3	24	1.3	variable	6,820
SB29th_TEXH	Southbound 29th Avenue	SW	2	863.3	0.54	7.3	24	1.3	variable	6,820
									Total	13,640

Emission Factors - TOG Exhaust

Speed Category	1	2	3	4
Travel Speed (mph)	25	20		
All Vehicles TOG Emissions per Vehicle (g/VMT)	0.053479	0.070707		
Diesel Vehicles TOG Emissions per Vehicle (g/VMT)	0.004475	0.006088		
Gasoline Vehicles Emissions per Vehicle (g/VMT)	0.04900	0.06462		

Emisson Factors from CT-EMFAC2017

2022 Hourly Traffic Volumes and TOG Exhaust Emissions - NB29th_TEXH

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.22%	83	6.08E-04	9	7.08%	483	4.65E-03	17	7.32%	499	4.81E-03
2	0.45%	31	2.25E-04	10	4.47%	305	2.23E-03	18	8.02%	547	5.26E-03
3	0.47%	32	2.33E-04	11	4.71%	321	2.35E-03	19	5.62%	383	2.80E-03
4	0.39%	26	1.92E-04	12	5.92%	404	2.95E-03	20	4.19%	286	2.09E-03
5	0.55%	38	2.75E-04	13	6.15%	420	3.06E-03	21	3.25%	222	1.62E-03
6	1.00%	68	4.99E-04	14	6.05%	412	3.01E-03	22	3.31%	226	1.65E-03
7	3.86%	263	1.92E-03	15	6.96%	475	3.47E-03	23	2.45%	167	1.22E-03
8	7.68%	524	5.04E-03	16	7.03%	480	3.50E-03	24	1.85%	126	9.21E-04
								Total		6,820	

2022 Hourly Traffic Volumes Per Direction and TOG Exhaust Emissions - SB29th_TEXH

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.22%	83	6.08E-04	9	7.08%	483	4.65E-03	17	7.32%	499	4.81E-03
2	0.45%	31	2.25E-04	10	4.47%	305	2.23E-03	18	8.02%	547	5.26E-03
3	0.47%	32	2.33E-04	11	4.71%	321	2.35E-03	19	5.62%	383	2.80E-03
4	0.39%	26	1.92E-04	12	5.92%	404	2.95E-03	20	4.19%	286	2.09E-03
5	0.55%	38	2.75E-04	13	6.15%	420	3.06E-03	21	3.25%	222	1.62E-03
6	1.00%	68	4.99E-04	14	6.05%	412	3.01E-03	22	3.31%	226	1.65E-03
7	3.86%	263	1.92E-03	15	6.96%	475	3.47E-03	23	2.45%	167	1.22E-03
8	7.68%	524	5.04E-03	16	7.03%	480	3.50E-03	24	1.85%	126	9.21E-04
								Total		6,820	

Derby Charter High School - Roadway Emissions
29th Avenue
TOG Evaporative Emissions Modeling - Roadway Links, Traffic Volumes, and TOG Evaporative Emissions
Year = 2022

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day
NB29th_TEVAP	Northbound 29th Avenue	NE	2	863.3	0.54	7.3	24	1.3	variable	6,820
SB29th_TEVAP	Southbound 29th Avenue	SW	2	863.3	0.54	7.3	24	1.3	variable	6,820
									Total	13,640

Emission Factors - PM2.5 - Evaporative TOG

Speed Category	1	2	3	4
Travel Speed (mph)	25	20		
Emissions per Vehicle per Hour (g/hour)	1.49422	1.49422		
Emissions per Vehicle per Mile (g/VMT)	0.05977	0.05977		

Emisson Factors from CT-EMFAC2017

2022 Hourly Traffic Volumes and TOG Evaporative Emissions - NB29th_TEVAP

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.22%	83	7.41E-04	9	7.08%	483	4.30E-03	17	7.32%	499	4.44E-03
2	0.45%	31	2.75E-04	10	4.47%	305	2.72E-03	18	8.02%	547	4.87E-03
3	0.47%	32	2.84E-04	11	4.71%	321	2.86E-03	19	5.62%	383	3.41E-03
4	0.39%	26	2.34E-04	12	5.92%	404	3.60E-03	20	4.19%	286	2.55E-03
5	0.55%	38	3.36E-04	13	6.15%	420	3.74E-03	21	3.25%	222	1.97E-03
6	1.00%	68	6.09E-04	14	6.05%	412	3.67E-03	22	3.31%	226	2.01E-03
7	3.86%	263	2.34E-03	15	6.96%	475	4.23E-03	23	2.45%	167	1.49E-03
8	7.68%	524	4.67E-03	16	7.03%	480	4.27E-03	24	1.85%	126	1.12E-03
								Total		6,820	

2022 Hourly Traffic Volumes Per Direction and TOG Evaporative Emissions - SB29th_TEVAP

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.22%	83	7.41E-04	9	7.08%	483	4.30E-03	17	7.32%	499	4.44E-03
2	0.45%	31	2.75E-04	10	4.47%	305	2.72E-03	18	8.02%	547	4.87E-03
3	0.47%	32	2.84E-04	11	4.71%	321	2.86E-03	19	5.62%	383	3.41E-03
4	0.39%	26	2.34E-04	12	5.92%	404	3.60E-03	20	4.19%	286	2.55E-03
5	0.55%	38	3.36E-04	13	6.15%	420	3.74E-03	21	3.25%	222	1.97E-03
6	1.00%	68	6.09E-04	14	6.05%	412	3.67E-03	22	3.31%	226	2.01E-03
7	3.86%	263	2.34E-03	15	6.96%	475	4.23E-03	23	2.45%	167	1.49E-03
8	7.68%	524	4.67E-03	16	7.03%	480	4.27E-03	24	1.85%	126	1.12E-03
								Total		6,820	

Derby Charter High School - Roadway Emissions
29th Avenue
Fugitive Road PM2.5 Modeling - Roadway Links, Traffic Volumes, and Fugitive Road PM2.5 Emissions
Year = 2022

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day
NB29th_FUG	Northbound 29th Avenue	NE	2	863.3	0.54	7.3	24	1.3	variable	6,820
SB29th_FUG	Southbound 29th Avenue	SW	2	863.3	0.54	7.3	24	1.3	variable	6,820
									Total	13,640

Emission Factors - Fugitive PM2.5

Speed Category	1	2	3	4
Travel Speed (mph)	25	20		
Tire Wear - Emissions per Vehicle (g/VMT)	0.00216	0.00216		
Brake Wear - Emissions per Vehicle (g/VMT)	0.01674	0.01674		
Road Dust - Emissions per Vehicle (g/VMT)	0.01607	0.01607		
Total Fugitive PM2.5 - Emissions per Vehicle (g/VMT)	0.03497	0.03497		

Emisson Factors from CT-EMFAC2017

2022 Hourly Traffic Volumes and Fugitive PM2.5 Emissions - NB29th_FUG

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.22%	83	4.34E-04	9	7.08%	483	2.52E-03	17	7.32%	499	2.60E-03
2	0.45%	31	1.61E-04	10	4.47%	305	1.59E-03	18	8.02%	547	2.85E-03
3	0.47%	32	1.66E-04	11	4.71%	321	1.67E-03	19	5.62%	383	2.00E-03
4	0.39%	26	1.37E-04	12	5.92%	404	2.10E-03	20	4.19%	286	1.49E-03
5	0.55%	38	1.97E-04	13	6.15%	420	2.19E-03	21	3.25%	222	1.15E-03
6	1.00%	68	3.56E-04	14	6.05%	412	2.15E-03	22	3.31%	226	1.18E-03
7	3.86%	263	1.37E-03	15	6.96%	475	2.47E-03	23	2.45%	167	8.70E-04
8	7.68%	524	2.73E-03	16	7.03%	480	2.50E-03	24	1.85%	126	6.57E-04
								Total		6,820	

2022 Hourly Traffic Volumes Per Direction and Fugitive PM2.5 Emissions - SB29th_FUG

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.22%	83	4.34E-04	9	7.08%	483	2.52E-03	17	7.32%	499	2.60E-03
2	0.45%	31	1.61E-04	10	4.47%	305	1.59E-03	18	8.02%	547	2.85E-03
3	0.47%	32	1.66E-04	11	4.71%	321	1.67E-03	19	5.62%	383	2.00E-03
4	0.39%	26	1.37E-04	12	5.92%	404	2.10E-03	20	4.19%	286	1.49E-03
5	0.55%	38	1.97E-04	13	6.15%	420	2.19E-03	21	3.25%	222	1.15E-03
6	1.00%	68	3.56E-04	14	6.05%	412	2.15E-03	22	3.31%	226	1.18E-03
7	3.86%	263	1.37E-03	15	6.96%	475	2.47E-03	23	2.45%	167	8.70E-04
8	7.68%	524	2.73E-03	16	7.03%	480	2.50E-03	24	1.85%	126	6.57E-04
								Total		6,820	

1045 Derby Ave., Oakland, CA - 29th Avenue Traffic - TACs & PM2.5
Maximum Cancer Risk and PM2.5 Concentration
AERMOD Risk Modeling Parameters and Maximum Concentrations
Child Exposures (1.5 meter receptor heights)

Emissions Years	2022
Receptor Information	
Number of Receptors	136
Receptor Height =	1.5 meters
Receptor distances =	6 meter spacing in school building areas

Meteorological Conditions	
BAAQMD Oakland Airport Met Data	2013-2017
Land Use Classification	urban
Wind speed =	variable
Wind direction =	variable

Emission Years	Concentration (µg/m^3)		
	DPM	Exhaust TOG	Evaporative TOG
2022	0.00589	0.5256	0.5875

Emission Years	PM2.5 Concentrations (µg/m^3)		
	Total PM2.5		
2022	**0.373**	-	-

1045 Derby Ave., Oakland, CA - 29th Avenue Traffic
Maximum HighSchool Child Cancer Risks
Child Exposures (1.5 meter receptor heights)
4-Year Child Exposure (Ages 14 - 17)

Cancer Risk Calculation Method

Student Cancer Risk (per million) = CPF x Inhalation Dose x ASF x ED/AT x 1.0E6

Where: CPF = Cancer potency factor $(mg/kg\text{-}day)^{-1}$
ASF = Age sensitivity factor for specified age group
ED = Exposure duration (years)
AT = Averaging time for lifetime cancer risk (years)

Inhalation Dose = C_{air} x SAF x 8hr BR x A x (EF/365) x 10^{-6}

Where: C_{air} = concentration in air ($\mu g/m^3$)
SAF = School Adjustment Factor (unitless) for source operation and school exposures different than 8 hours/day
= (24/SHR) x (SchHR/8 hrs)
SHR = Hours of emission source operation
SchHR = School operation hours while emission source in operation
8-Hr BR = Eight-hour breathing rate (L/kg body weight-per 8 hrs)
A = Inhalation absorption factor
10^{-6} = Conversion factor

Values

Cancer Potency Factors $(mg/kg\text{-}day)^{-1}$

TAC	CPF
DPM	1.10E+00
Vehicle TOG Exhaust	6.28E-03
Vehicle TOG Evaporative	3.70E-04

	Infant	Child
Age -->	0 - <2	2 - <16
Parameter		
ASF	10	3
8-Hr BR* =	1200	520
SchHR** =	0	11
SHR =	24	24
A =	1	1
EF =	0	250
AT =	70	70
SAF =	0.00	1.38

* 95th percentile 8-hr breathing rates for moderate intensity activities
** SchHR assumed to be 11 hours per day

Road Traffic Cancer Risk by Year - Maximum Impact Receptor Location

				Maximum - Exposure Information							
					Annual TAC Conc (ug/m3)			Cancer Risk (per million)			
Exposure Year	Year	Exposure Duration (years)	Age	Age Sensitivity Factor	DPM	Exhaust TOG	Evaporative TOG	DPM	Exhaust TOG	Evaporative TOG	Total
1	2022	1	14	3	0.0059	0.5256	0.5875	0.136	0.069	0.0046	0.21
2	2023	1	15	3	0.0059	0.5256	0.5875	0.136	0.069	0.0046	0.21
3	2024	1	16	3	0.0059	0.5256	0.5875	0.136	0.069	0.005	0.21
4	2025	1	17	3	0.0059	0.5256	0.5875	0.136	0.069	0.005	0.21
Total Increased Cancer Risk								0.544	0.346	0.023	**0.91**

10th Street Emissions and Health Risk Calculations

Derby Charter High School - Roadway Emissions
10th Street
DPM Modeling - Roadway Links, Traffic Volumes, and DPM Emissions
Year = 2022

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day
EB10th_DPM	Eastbound 10th Street	E	2	470.6	0.29	7.3	24.0	3.4	variable	3,863
WB10th_DPM	Westbound 10th Street	W	2	470.7	0.29	7.3	24.0	3.4	variable	3,863
									Total	7,725

Emission Factors

Speed Category	1	2	3	4
Travel Speed (mph)	25	20		
Emissions per Vehicle (g/VMT)	0.00087	0.001003		

Emission Factors from CT-EMFAC2017

2022 Hourly Traffic Volumes and DPM Emissions - EB10th_DPM

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	3.77%	146	1.03E-05	9	6.07%	234	1.91E-05	17	5.28%	204	1.66E-05
2	2.23%	86	6.06E-06	10	7.18%	277	1.95E-05	18	2.84%	110	8.93E-06
3	2.66%	103	7.23E-06	11	6.43%	248	1.75E-05	19	2.51%	97	6.84E-06
4	3.99%	154	1.08E-05	12	6.90%	266	1.88E-05	20	1.11%	43	3.03E-06
5	2.37%	92	6.45E-06	13	6.29%	243	1.71E-05	21	3.05%	118	8.30E-06
6	3.77%	146	1.03E-05	14	6.25%	241	1.70E-05	22	3.95%	153	1.07E-05
7	6.25%	241	1.70E-05	15	5.24%	203	1.43E-05	23	2.26%	87	6.16E-06
8	4.92%	190	1.55E-05	16	3.59%	139	9.77E-06	24	1.08%	42	2.93E-06
								Total		3,863	

2022 Hourly Traffic Volumes Per Direction and DPM Emissions - WB10th_DPM

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	3.77%	146	1.03E-05	9	6.07%	234	1.91E-05	17	5.28%	204	1.66E-05
2	2.23%	86	6.06E-06	10	7.18%	277	1.95E-05	18	2.84%	110	8.93E-06
3	2.66%	103	7.23E-06	11	6.43%	248	1.75E-05	19	2.51%	97	6.84E-06
4	3.99%	154	1.08E-05	12	6.90%	266	1.88E-05	20	1.11%	43	3.03E-06
5	2.37%	92	6.45E-06	13	6.29%	243	1.71E-05	21	3.05%	118	8.31E-06
6	3.77%	146	1.03E-05	14	6.25%	241	1.70E-05	22	3.95%	153	1.07E-05
7	6.25%	241	1.70E-05	15	5.24%	203	1.43E-05	23	2.26%	87	6.16E-06
8	4.92%	190	1.55E-05	16	3.59%	139	9.77E-06	24	1.08%	42	2.93E-06
								Total		3,863	

Analysis Year = ***2022***

Vehicle Type	2022 Caltrans Vehicles (veh/day)	2022 Vehicles (veh/day)
Total	**7,725**	**7,725**

Increase From 2022	1.00
Vehicles/Direction	**3,863**
Avg Vehicles/Hour/Direction	161

Traffic Data Year = ***2022***

Project Traffic Report	AADT Total	Total Truck
10th Street	7,725	317
Percent of Total Vehicles		4.1%

Derby Charter High School - Roadway Emissions
10th Street
PM2.5 Modeling - Roadway Links, Traffic Volumes, and PM2.5 Emissions
Year = 2022

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day
EB10th_PM25	Eastbound 10th Street	E	2	470.6	0.29	7.3	24	1.3	variable	3,863
WB10th_PM25	Westbound 10th Street	W	2	470.7	0.29	7.3	24	1.3	variable	3,863
									Total	7,725

Emission Factors - PM2.5

Speed Category	1	2	3	4
Travel Speed (mph)	25	20		
Emissions per Vehicle (g/VMT)	0.002729	0.00352		

Emisson Factors from CT-EMFAC2017

2022 Hourly Traffic Volumes and PM2.5 Emissions - EB10th_PM25

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.22%	47	1.04E-05	9	7.08%	274	7.83E-05	17	7.32%	283	8.09E-05
2	0.45%	17	3.87E-06	10	4.47%	173	3.83E-05	18	8.02%	310	8.86E-05
3	0.47%	18	4.00E-06	11	4.71%	182	4.04E-05	19	5.62%	217	4.81E-05
4	0.39%	15	3.30E-06	12	5.92%	229	5.07E-05	20	4.19%	162	3.59E-05
5	0.55%	21	4.74E-06	13	6.15%	238	5.27E-05	21	3.25%	125	2.78E-05
6	1.00%	39	8.59E-06	14	6.05%	234	5.18E-05	22	3.31%	128	2.83E-05
7	3.86%	149	3.30E-05	15	6.96%	269	5.96E-05	23	2.45%	95	2.10E-05
8	7.68%	297	8.49E-05	16	7.03%	272	6.02E-05	24	1.85%	71	1.58E-05
								Total		3,863	

2022 Hourly Traffic Volumes Per Direction and PM2.5 Emissions - WB10th_PM25

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.22%	47	1.05E-05	9	7.08%	274	7.83E-05	17	7.32%	283	8.09E-05
2	0.45%	17	3.87E-06	10	4.47%	173	3.83E-05	18	8.02%	310	8.86E-05
3	0.47%	18	4.00E-06	11	4.71%	182	4.04E-05	19	5.62%	217	4.81E-05
4	0.39%	15	3.30E-06	12	5.92%	229	5.07E-05	20	4.19%	162	3.59E-05
5	0.55%	21	4.74E-06	13	6.15%	238	5.27E-05	21	3.25%	125	2.78E-05
6	1.00%	39	8.59E-06	14	6.05%	234	5.18E-05	22	3.31%	128	2.83E-05
7	3.86%	149	3.30E-05	15	6.96%	269	5.96E-05	23	2.45%	95	2.10E-05
8	7.68%	297	8.49E-05	16	7.03%	272	6.02E-05	24	1.85%	71	1.58E-05
								Total		3,863	

Derby Charter High School - Roadway Emissions
10th Street
TOG Exhaust Modeling - Roadway Links, Traffic Volumes, and TOG Exhaust Emissions
Year = 2022

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day
EB10th_TEXH	Eastbound 10th Street	E	2	470.6	0.29	7.3	24	1.3	variable	3,863
WB10th_TEXH	Westbound 10th Street	W	2	470.7	0.29	7.3	24	1.3	variable	3,863
									Total	7,725

Emission Factors - TOG Exhaust

Speed Category	1	2	3	4
Travel Speed (mph)	25	20		
All Vehicles TOG Emissions per Vehicle (g/VMT)	0.053479	0.070707		
Diesel Vehicles TOG Emissions per Vehicle (g/VMT)	0.004475	0.006088		
Gasoline Vehicles Emissions per Vehicle (g/VMT)	0.04900	0.06462		

Emisson Factors from CT-EMFAC2017

2022 Hourly Traffic Volumes and TOG Exhaust Emissions - EB10th_TEXH

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.22%	47	1.88E-04	9	7.08%	274	1.44E-03	17	7.32%	283	1.48E-03
2	0.45%	17	6.95E-05	10	4.47%	173	6.87E-04	18	8.02%	310	1.63E-03
3	0.47%	18	7.18E-05	11	4.71%	182	7.25E-04	19	5.62%	217	8.63E-04
4	0.39%	15	5.92E-05	12	5.92%	229	9.11E-04	20	4.19%	162	6.45E-04
5	0.55%	21	8.50E-05	13	6.15%	238	9.46E-04	21	3.25%	125	4.99E-04
6	1.00%	39	1.54E-04	14	6.05%	234	9.30E-04	22	3.31%	128	5.09E-04
7	3.86%	149	5.93E-04	15	6.96%	269	1.07E-03	23	2.45%	95	3.77E-04
8	7.68%	297	1.56E-03	16	7.03%	272	1.08E-03	24	1.85%	71	2.84E-04
								Total		3,863	

2022 Hourly Traffic Volumes Per Direction and TOG Exhaust Emissions - WB10th_TEXH

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.22%	47	1.88E-04	9	7.08%	274	1.44E-03	17	7.32%	283	1.48E-03
2	0.45%	17	6.95E-05	10	4.47%	173	6.87E-04	18	8.02%	310	1.63E-03
3	0.47%	18	7.18E-05	11	4.71%	182	7.25E-04	19	5.62%	217	8.64E-04
4	0.39%	15	5.92E-05	12	5.92%	229	9.11E-04	20	4.19%	162	6.45E-04
5	0.55%	21	8.51E-05	13	6.15%	238	9.46E-04	21	3.25%	125	4.99E-04
6	1.00%	39	1.54E-04	14	6.05%	234	9.30E-04	22	3.31%	128	5.09E-04
7	3.86%	149	5.93E-04	15	6.96%	269	1.07E-03	23	2.45%	95	3.77E-04
8	7.68%	297	1.56E-03	16	7.03%	272	1.08E-03	24	1.85%	71	2.84E-04
								Total		3,863	

Derby Charter High School - Roadway Emissions
10th Street
TOG Evaporative Emissions Modeling - Roadway Links, Traffic Volumes, and TOG Evaporative Emissions
Year = 2022

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day
EB10th_TEVAP	Eastbound 10th Street	E	2	470.6	0.29	7.3	24	1.3	variable	3,863
WB10th_TEVAP	Westbound 10th Street	W	2	470.7	0.29	7.3	24	1.3	variable	3,863
									Total	7,725

Emission Factors - PM2.5 - Evaporative TOG

Speed Category	1	2	3	4
Travel Speed (mph)	25	20		
Emissions per Vehicle per Hour (g/hour)	1.49422	1.49422		
Emissions per Vehicle per Mile (g/VMT)	0.05977	0.05977		

Emisson Factors from CT-EMFAC2017

2022 Hourly Traffic Volumes and TOG Evaporative Emissions - EB10th_TEVAP

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.22%	47	2.29E-04	9	7.08%	274	1.33E-03	17	7.32%	283	1.37E-03
2	0.45%	17	8.48E-05	10	4.47%	173	8.38E-04	18	8.02%	310	1.50E-03
3	0.47%	18	8.76E-05	11	4.71%	182	8.84E-04	19	5.62%	217	1.05E-03
4	0.39%	15	7.22E-05	12	5.92%	229	1.11E-03	20	4.19%	162	7.86E-04
5	0.55%	21	1.04E-04	13	6.15%	238	1.15E-03	21	3.25%	125	6.09E-04
6	1.00%	39	1.88E-04	14	6.05%	234	1.13E-03	22	3.31%	128	6.20E-04
7	3.86%	149	7.24E-04	15	6.96%	269	1.31E-03	23	2.45%	95	4.59E-04
8	7.68%	297	1.44E-03	16	7.03%	272	1.32E-03	24	1.85%	71	3.47E-04
								Total		3,863	

2022 Hourly Traffic Volumes Per Direction and TOG Evaporative Emissions - WB10th_TEVAP

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.22%	47	2.29E-04	9	7.08%	274	1.33E-03	17	7.32%	283	1.37E-03
2	0.45%	17	8.48E-05	10	4.47%	173	8.38E-04	18	8.02%	310	1.50E-03
3	0.47%	18	8.76E-05	11	4.71%	182	8.84E-04	19	5.62%	217	1.05E-03
4	0.39%	15	7.23E-05	12	5.92%	229	1.11E-03	20	4.19%	162	7.86E-04
5	0.55%	21	1.04E-04	13	6.15%	238	1.15E-03	21	3.25%	125	6.09E-04
6	1.00%	39	1.88E-04	14	6.05%	234	1.13E-03	22	3.31%	128	6.20E-04
7	3.86%	149	7.24E-04	15	6.96%	269	1.31E-03	23	2.45%	95	4.59E-04
8	7.68%	297	1.44E-03	16	7.03%	272	1.32E-03	24	1.85%	71	3.47E-04
								Total		3,863	

Derby Charter High School - Roadway Emissions
10th Street
Fugitive Road PM2.5 Modeling - Roadway Links, Traffic Volumes, and Fugitive Road PM2.5 Emissions
Year = 2022

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day
EB10th_FUG	Eastbound 10th Street	E	2	470.6	0.29	7.3	24	1.3	variable	3,863
WB10th_FUG	Westbound 10th Street	W	2	470.7	0.29	7.3	24	1.3	variable	3,863
									Total	7,725

Emission Factors - Fugitive PM2.5

Speed Category	1	2	3	4
Travel Speed (mph)	25	20		
Tire Wear - Emissions per Vehicle (g/VMT)	0.00216	0.00216		
Brake Wear - Emissions per Vehicle (g/VMT)	0.01674	0.01674		
Road Dust - Emissions per Vehicle (g/VMT)	0.01607	0.01607		
Total Fugitive PM2.5 - Emissions per Vehicle (g/VMT)	0.03497	0.03497		

Emisson Factors from CT-EMFAC2017

2022 Hourly Traffic Volumes and Fugitive PM2.5 Emissions - EB10th_FUG

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.22%	47	1.34E-04	9	7.08%	274	7.77E-04	17	7.32%	283	8.03E-04
2	0.45%	17	4.96E-05	10	4.47%	173	4.90E-04	18	8.02%	310	8.80E-04
3	0.47%	18	5.12E-05	11	4.71%	182	5.17E-04	19	5.62%	217	6.16E-04
4	0.39%	15	4.23E-05	12	5.92%	229	6.50E-04	20	4.19%	162	4.60E-04
5	0.55%	21	6.07E-05	13	6.15%	238	6.75E-04	21	3.25%	125	3.56E-04
6	1.00%	39	1.10E-04	14	6.05%	234	6.63E-04	22	3.31%	128	3.63E-04
7	3.86%	149	4.23E-04	15	6.96%	269	7.64E-04	23	2.45%	95	2.69E-04
8	7.68%	297	8.43E-04	16	7.03%	272	7.72E-04	24	1.85%	71	2.03E-04
								Total		3,863	

2022 Hourly Traffic Volumes Per Direction and Fugitive PM2.5 Emissions - WB10th_FUG

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.22%	47	1.34E-04	9	7.08%	274	7.77E-04	17	7.32%	283	8.03E-04
2	0.45%	17	4.96E-05	10	4.47%	173	4.91E-04	18	8.02%	310	8.80E-04
3	0.47%	18	5.13E-05	11	4.71%	182	5.17E-04	19	5.62%	217	6.16E-04
4	0.39%	15	4.23E-05	12	5.92%	229	6.50E-04	20	4.19%	162	4.60E-04
5	0.55%	21	6.07E-05	13	6.15%	238	6.75E-04	21	3.25%	125	3.56E-04
6	1.00%	39	1.10E-04	14	6.05%	234	6.63E-04	22	3.31%	128	3.63E-04
7	3.86%	149	4.23E-04	15	6.96%	269	7.64E-04	23	2.45%	95	2.69E-04
8	7.68%	297	8.43E-04	16	7.03%	272	7.72E-04	24	1.85%	71	2.03E-04
								Total		3,863	

1045 Derby Ave., Oakland, CA - 10th Street Traffic - TACs & PM2.5
Maximum Cancer Risk and PM2.5 Concentration
AERMOD Risk Modeling Parameters and Maximum Concentrations
Child Exposures (1.5 meter receptor heights)

Emissions Years	2022
Receptor Information	
Number of Receptors	136
Receptor Height =	1.5 meters
Receptor distances =	6 meter spacing in school building areas

Meteorological Conditions	
BAAQMD Oakland Airport Met Data	2013-2017
Land Use Classification	urban
Wind speed =	variable
Wind direction =	variable

Emission Years	Concentration (µg/m^3)		
	DPM	Exhaust TOG	Evaporative TOG
2022	0.00109	0.0708	0.0776

Emission Years	PM2.5 Concentrations (µg/m^3)		
	Total PM2.5		
2022	**0.050**	-	-

1045 Derby Ave., Oakland, CA - 10th Street Traffic
Maximum HighSchool Child Cancer Risks
Child Exposures (1.5 meter receptor heights)
4-Year Child Exposure (Ages 14 - 17)

Cancer Risk Calculation Method

Student Cancer Risk (per million) = CPF x Inhalation Dose x ASF x ED/AT x 1.0E6

Where: CPF = Cancer potency factor $(mg/kg\text{-}day)^{-1}$
ASF = Age sensitivity factor for specified age group
ED = Exposure duration (years)
AT = Averaging time for lifetime cancer risk (years)

Inhalation Dose = C_{air} x SAF x 8hr BR x A x (EF/365) x 10^{-6}

Where: C_{air} = concentration in air ($\mu g/m^3$)
SAF = School Adjustment Factor (unitless) for source operation and school exposures different than 8 hours/day
= (24/SHR) x (SchHR/8 hrs)
SHR = Hours of emission source operation
SchHR = School operation hours while emission source in operation
8-Hr BR = Eight-hour breathing rate (L/kg body weight-per 8 hrs)
A = Inhalation absorption factor
10^{-6} = Conversion factor

Values

Cancer Potency Factors $(mg/kg\text{-}day)^{-1}$

TAC	CPF
DPM	1.10E+00
Vehicle TOG Exhaust	6.28E-03
Vehicle TOG Evaporative	3.70E-04

	Infant	Child
Age -->	0 - <2	2 - <16
Parameter		
ASF	10	3
8-Hr BR* =	1200	520
SchHR** =	0	11
SHR =	24	24
A =	1	1
EF =	0	250
AT =	70	70
SAF =	0.00	1.38

* 95th percentile 8-hr breathing rates for moderate intensity activities
** SchHR assumed to be 11 hours per day

Road Traffic Cancer Risk by Year - Maximum Impact Receptor Location

				Maximum - Exposure Information							
				Age	Annual TAC Conc (ug/m3)			Cancer Risk (per million)			
Exposure Year	Year	Exposure Duration (years)	Age	Sensitivity Factor	DPM	Exhaust TOG	Evaporative TOG	DPM	Exhaust TOG	Evaporative TOG	Total
1	2022	1	14	3	0.0011	0.0708	0.0776	0.025	0.009	0.0006	0.04
2	2023	1	15	3	0.0011	0.0708	0.0776	0.025	0.009	0.0006	0.04
3	2024	1	16	3	0.0011	0.0708	0.0776	0.025	0.009	0.001	0.04
4	2025	1	17	3	0.0011	0.0708	0.0776	0.025	0.009	0.001	0.04
Total Increased Cancer Risk								0.101	0.047	0.003	**0.15**

12th Street Emissions and health Risk Calculations

1045 Derby Oakland - Roadway Emissions
12th Street
DPM Modeling - Roadway Links, Traffic Volumes, and DPM Emissions
Year = 2022

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day
EB12th_DPM	Eastbound 12th Street	E	2	986.4	0.61	7.3	24.0	3.4	variable	5,053
WB12th_DPM	Westbound 12th Street	W	2	972.9	0.60	7.3	24.0	3.4	variable	5,053
									Total	10,105

Emission Factors

Speed Category	1	2	3	4
Travel Speed (mph)	25	20		
Emissions per Vehicle (g/VMT)	0.00087	0.001003		

Emission Factors from CT-EMFAC2017

2022 Hourly Traffic Volumes and DPM Emissions - EB12th_DPM

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	3.77%	191	2.81E-05	9	6.07%	307	5.24E-05	17	5.28%	267	4.56E-05
2	2.23%	113	1.66E-05	10	7.18%	363	5.36E-05	18	2.84%	143	2.45E-05
3	2.66%	134	1.98E-05	11	6.43%	325	4.80E-05	19	2.51%	127	1.88E-05
4	3.99%	201	2.97E-05	12	6.90%	348	5.14E-05	20	1.11%	56	8.30E-06
5	2.37%	120	1.77E-05	13	6.29%	318	4.69E-05	21	3.05%	154	2.28E-05
6	3.77%	191	2.81E-05	14	6.25%	316	4.66E-05	22	3.95%	200	2.95E-05
7	6.25%	316	4.66E-05	15	5.24%	265	3.91E-05	23	2.26%	114	1.69E-05
8	4.92%	249	4.25E-05	16	3.59%	181	2.68E-05	24	1.08%	54	8.04E-06
								Total		5,053	

2022 Hourly Traffic Volumes Per Direction and DPM Emissions - WB12th_DPM

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	3.77%	191	2.77E-05	9	6.07%	307	5.17E-05	17	5.28%	267	4.49E-05
2	2.23%	113	1.64E-05	10	7.18%	363	5.28E-05	18	2.84%	143	2.41E-05
3	2.66%	134	1.96E-05	11	6.43%	325	4.73E-05	19	2.51%	127	1.85E-05
4	3.99%	201	2.93E-05	12	6.90%	348	5.07E-05	20	1.11%	56	8.19E-06
5	2.37%	120	1.74E-05	13	6.29%	318	4.62E-05	21	3.05%	154	2.25E-05
6	3.77%	191	2.77E-05	14	6.25%	316	4.60E-05	22	3.95%	200	2.91E-05
7	6.25%	316	4.60E-05	15	5.24%	265	3.86E-05	23	2.26%	114	1.66E-05
8	4.92%	249	4.19E-05	16	3.59%	181	2.64E-05	24	1.08%	54	7.93E-06
								Total		5,053	

Analysis Year = ***2022***

Vehicle Type	2022 Caltrans Vehicles (veh/day)	2022 Vehicles (veh/day)
Total	**10,105**	**10,105**

Increase From 2022	1.00
Vehicles/Direction	**5,053**
Avg Vehicles/Hour/Direction	211

Traffic Data Year = ***2022***

Project Traffic Report	AADT Total	Total Truck
12th Street	10,105	414
Percent of Total Vehicles		4.1%

1045 Derby Oakland - Roadway Emissions
12th Street
PM2.5 Modeling - Roadway Links, Traffic Volumes, and PM2.5 Emissions
Year = 2022

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day
EB12th_PM25	Eastbound 12th Street	E	2	986.4	0.61	7.3	24	1.3	variable	5,053
WB12th_PM25	Westbound 12th Street	W	2	972.9	0.60	7.3	24	1.3	variable	5,053
									Total	10,105

Emission Factors - PM2.5

Speed Category	1	2	3	4
Travel Speed (mph)	25	20		
Emissions per Vehicle (g/VMT)	0.002729	0.00352		

Emisson Factors from CT-EMFAC2017

2022 Hourly Traffic Volumes and PM2.5 Emissions - EB12th_PM25

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.22%	62	2.86E-05	9	7.08%	358	2.15E-04	17	7.32%	370	2.22E-04
2	0.45%	23	1.06E-05	10	4.47%	226	1.05E-04	18	8.02%	405	2.43E-04
3	0.47%	24	1.10E-05	11	4.71%	238	1.11E-04	19	5.62%	284	1.32E-04
4	0.39%	19	9.04E-06	12	5.92%	299	1.39E-04	20	4.19%	212	9.84E-05
5	0.55%	28	1.30E-05	13	6.15%	311	1.44E-04	21	3.25%	164	7.62E-05
6	1.00%	51	2.35E-05	14	6.05%	305	1.42E-04	22	3.31%	167	7.77E-05
7	3.86%	195	9.06E-05	15	6.96%	352	1.63E-04	23	2.45%	124	5.75E-05
8	7.68%	388	2.33E-04	16	7.03%	355	1.65E-04	24	1.85%	93	4.34E-05
								Total		5,053	

2022 Hourly Traffic Volumes Per Direction and PM2.5 Emissions - WB12th_PM25

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.22%	62	2.83E-05	9	7.08%	358	2.12E-04	17	7.32%	370	2.19E-04
2	0.45%	23	1.05E-05	10	4.47%	226	1.04E-04	18	8.02%	405	2.40E-04
3	0.47%	24	1.08E-05	11	4.71%	238	1.09E-04	19	5.62%	284	1.30E-04
4	0.39%	19	8.92E-06	12	5.92%	299	1.37E-04	20	4.19%	212	9.71E-05
5	0.55%	28	1.28E-05	13	6.15%	311	1.42E-04	21	3.25%	164	7.52E-05
6	1.00%	51	2.32E-05	14	6.05%	305	1.40E-04	22	3.31%	167	7.66E-05
7	3.86%	195	8.94E-05	15	6.96%	352	1.61E-04	23	2.45%	124	5.67E-05
8	7.68%	388	2.30E-04	16	7.03%	355	1.63E-04	24	1.85%	93	4.28E-05
								Total		5,053	

1045 Derby Oakland - Roadway Emissions
12th Street
TOG Exhaust Modeling - Roadway Links, Traffic Volumes, and TOG Exhaust Emissions
Year = 2022

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day
EB12th_TEXH	Eastbound 12th Street	E	2	986.4	0.61	7.3	24	1.3	variable	5,053
WB12th_TEXH	Westbound 12th Street	W	2	972.9	0.60	7.3	24	1.3	variable	5,053
									Total	10,105

Emission Factors - TOG Exhaust

Speed Category	1	2	3	4
Travel Speed (mph)	25	20		
All Vehicles TOG Emissions per Vehicle (g/VMT)	0.053479	0.070707		
Diesel Vehicles TOG Emissions per Vehicle (g/VMT)	0.004475	0.006088		
Gasoline Vehicles Emissions per Vehicle (g/VMT)	0.04900	0.06462		

Emisson Factors from CT-EMFAC2017

2022 Hourly Traffic Volumes and TOG Exhaust Emissions - EB12th_TEXH

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.22%	62	5.14E-04	9	7.08%	358	3.94E-03	17	7.32%	370	4.07E-03
2	0.45%	23	1.91E-04	10	4.47%	226	1.88E-03	18	8.02%	405	4.46E-03
3	0.47%	24	1.97E-04	11	4.71%	238	1.99E-03	19	5.62%	284	2.37E-03
4	0.39%	19	1.62E-04	12	5.92%	299	2.50E-03	20	4.19%	212	1.77E-03
5	0.55%	28	2.33E-04	13	6.15%	311	2.59E-03	21	3.25%	164	1.37E-03
6	1.00%	51	4.23E-04	14	6.05%	305	2.55E-03	22	3.31%	167	1.39E-03
7	3.86%	195	1.63E-03	15	6.96%	352	2.94E-03	23	2.45%	124	1.03E-03
8	7.68%	388	4.27E-03	16	7.03%	355	2.97E-03	24	1.85%	93	7.79E-04
								Total		5,053	

2022 Hourly Traffic Volumes Per Direction and TOG Exhaust Emissions - WB12th_TEXH

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.22%	62	5.07E-04	9	7.08%	358	3.88E-03	17	7.32%	370	4.01E-03
2	0.45%	23	1.88E-04	10	4.47%	226	1.86E-03	18	8.02%	405	4.40E-03
3	0.47%	24	1.94E-04	11	4.71%	238	1.96E-03	19	5.62%	284	2.33E-03
4	0.39%	19	1.60E-04	12	5.92%	299	2.46E-03	20	4.19%	212	1.74E-03
5	0.55%	28	2.30E-04	13	6.15%	311	2.56E-03	21	3.25%	164	1.35E-03
6	1.00%	51	4.17E-04	14	6.05%	305	2.51E-03	22	3.31%	167	1.38E-03
7	3.86%	195	1.60E-03	15	6.96%	352	2.89E-03	23	2.45%	124	1.02E-03
8	7.68%	388	4.21E-03	16	7.03%	355	2.92E-03	24	1.85%	93	7.69E-04
								Total		5,053	

1045 Derby Oakland - Roadway Emissions
12th Street
TOG Evaporative Emissions Modeling - Roadway Links, Traffic Volumes, and TOG Evaporative Emissions
Year = 2022

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day
EB12th_TEVAP	Eastbound 12th Street	E	2	986.4	0.61	7.3	24	1.3	variable	5,053
WB12th_TEVAP	Westbound 12th Street	W	2	972.9	0.60	7.3	24	1.3	variable	5,053
									Total	10,105

Emission Factors - PM2.5 - Evaporative TOG

Speed Category	1	2	3	4
Travel Speed (mph)	25	20		
Emissions per Vehicle per Hour (g/hour)	1.49422	1.49422		
Emissions per Vehicle per Mile (g/VMT)	0.05977	0.05977		

Emisson Factors from CT-EMFAC2017

2022 Hourly Traffic Volumes and TOG Evaporative Emissions - EB12th_TEVAP

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.22%	62	6.27E-04	9	7.08%	358	3.64E-03	17	7.32%	370	3.76E-03
2	0.45%	23	2.32E-04	10	4.47%	226	2.30E-03	18	8.02%	405	4.12E-03
3	0.47%	24	2.40E-04	11	4.71%	238	2.42E-03	19	5.62%	284	2.89E-03
4	0.39%	19	1.98E-04	12	5.92%	299	3.05E-03	20	4.19%	212	2.16E-03
5	0.55%	28	2.84E-04	13	6.15%	311	3.16E-03	21	3.25%	164	1.67E-03
6	1.00%	51	5.16E-04	14	6.05%	305	3.11E-03	22	3.31%	167	1.70E-03
7	3.86%	195	1.98E-03	15	6.96%	352	3.58E-03	23	2.45%	124	1.26E-03
8	7.68%	388	3.95E-03	16	7.03%	355	3.62E-03	24	1.85%	93	9.51E-04
								Total		5,053	

2022 Hourly Traffic Volumes Per Direction and TOG Evaporative Emissions - WB12th_TEVAP

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.22%	62	6.19E-04	9	7.08%	358	3.59E-03	17	7.32%	370	3.71E-03
2	0.45%	23	2.29E-04	10	4.47%	226	2.27E-03	18	8.02%	405	4.07E-03
3	0.47%	24	2.37E-04	11	4.71%	238	2.39E-03	19	5.62%	284	2.85E-03
4	0.39%	19	1.95E-04	12	5.92%	299	3.00E-03	20	4.19%	212	2.13E-03
5	0.55%	28	2.80E-04	13	6.15%	311	3.12E-03	21	3.25%	164	1.65E-03
6	1.00%	51	5.09E-04	14	6.05%	305	3.07E-03	22	3.31%	167	1.68E-03
7	3.86%	195	1.96E-03	15	6.96%	352	3.53E-03	23	2.45%	124	1.24E-03
8	7.68%	388	3.90E-03	16	7.03%	355	3.57E-03	24	1.85%	93	9.38E-04
								Total		5,053	

1045 Derby Oakland - Roadway Emissions
12th Street
Fugitive Road PM2.5 Modeling - Roadway Links, Traffic Volumes, and Fugitive Road PM2.5 Emissions
Year = 2022

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day
EB12th_FUG	Eastbound 12th Street	E	2	986.4	0.61	7.3	24	1.3	variable	5,053
WB12th_FUG	Westbound 12th Street	W	2	972.9	0.60	7.3	24	1.3	variable	5,053
									Total	10,105

Emission Factors - Fugitive PM2.5

Speed Category	1	2	3	4
Travel Speed (mph)	25	20		
Tire Wear - Emissions per Vehicle (g/VMT)	0.00216	0.00216		
Brake Wear - Emissions per Vehicle (g/VMT)	0.01674	0.01674		
Road Dust - Emissions per Vehicle (g/VMT)	0.01607	0.01607		
Total Fugitive PM2.5 - Emissions per Vehicle (g/VMT)	0.03497	0.03497		

Emisson Factors from CT-EMFAC2017

2022 Hourly Traffic Volumes and Fugitive PM2.5 Emissions - EB12th_FUG

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.22%	62	3.67E-04	9	7.08%	358	2.13E-03	17	7.32%	370	2.20E-03
2	0.45%	23	1.36E-04	10	4.47%	226	1.34E-03	18	8.02%	405	2.41E-03
3	0.47%	24	1.40E-04	11	4.71%	238	1.42E-03	19	5.62%	284	1.69E-03
4	0.39%	19	1.16E-04	12	5.92%	299	1.78E-03	20	4.19%	212	1.26E-03
5	0.55%	28	1.66E-04	13	6.15%	311	1.85E-03	21	3.25%	164	9.77E-04
6	1.00%	51	3.02E-04	14	6.05%	305	1.82E-03	22	3.31%	167	9.95E-04
7	3.86%	195	1.16E-03	15	6.96%	352	2.09E-03	23	2.45%	124	7.37E-04
8	7.68%	388	2.31E-03	16	7.03%	355	2.12E-03	24	1.85%	93	5.56E-04
								Total		5,053	

2022 Hourly Traffic Volumes Per Direction and Fugitive PM2.5 Emissions - WB12th_FUG

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.22%	62	3.62E-04	9	7.08%	358	2.10E-03	17	7.32%	370	2.17E-03
2	0.45%	23	1.34E-04	10	4.47%	226	1.33E-03	18	8.02%	405	2.38E-03
3	0.47%	24	1.39E-04	11	4.71%	238	1.40E-03	19	5.62%	284	1.67E-03
4	0.39%	19	1.14E-04	12	5.92%	299	1.76E-03	20	4.19%	212	1.24E-03
5	0.55%	28	1.64E-04	13	6.15%	311	1.82E-03	21	3.25%	164	9.64E-04
6	1.00%	51	2.98E-04	14	6.05%	305	1.79E-03	22	3.31%	167	9.81E-04
7	3.86%	195	1.14E-03	15	6.96%	352	2.07E-03	23	2.45%	124	7.27E-04
8	7.68%	388	2.28E-03	16	7.03%	355	2.09E-03	24	1.85%	93	5.49E-04
								Total		5,053	

1045 Derby Ave., Oakland, CA - 12th Street Traffic - TACs & PM2.5
Maximum Cancer Risk and PM2.5 Concentration
AERMOD Risk Modeling Parameters and Maximum Concentrations
Child Exposures (1.5 meter receptor heights)

Emissions Years	2022
Receptor Information	
Number of Receptors	136
Receptor Height =	1.5 meters
Receptor distances =	6 meter spacing in school building areas

Meteorological Conditions	
BAAQMD Oakland Airport Met Data	2013-2017
Land Use Classification	urban
Wind speed =	variable
Wind direction =	variable

Emission Years	Concentration (µg/m^3)		
	DPM	Exhaust TOG	Evaporative TOG
2022	0.00221	0.1386	0.1537

Emission Years	PM2.5 Concentrations (µg/m^3)		
	Total PM2.5		
2022	**0.098**	-	-

1045 Derby Ave., Oakland, CA - 12th Street Traffic
Maximum HighSchool Child Cancer Risks
Child Exposures (1.5 meter receptor heights)
4-Year Child Exposure (Ages 14 - 17)

Cancer Risk Calculation Method

Student Cancer Risk (per million) = CPF x Inhalation Dose x ASF x ED/AT x 1.0E6

Where: CPF = Cancer potency factor $(mg/kg\text{-}day)^{-1}$
ASF = Age sensitivity factor for specified age group
ED = Exposure duration (years)
AT = Averaging time for lifetime cancer risk (years)

Inhalation Dose = C_{air} x SAF x 8hr BR x A x (EF/365) x 10^{-6}

Where: C_{air} = concentration in air ($\mu g/m^3$)
SAF = School Adjustment Factor (unitless) for source operation and school exposures different than 8 hours/day
= (24/SHR) x (SchHR/8 hrs)
SHR = Hours of emission source operation
SchHR = School operation hours while emission source in operation
8-Hr BR = Eight-hour breathing rate (L/kg body weight-per 8 hrs)
A = Inhalation absorption factor
10^{-6} = Conversion factor

Values

Cancer Potency Factors $(mg/kg\text{-}day)^{-1}$

TAC	CPF
DPM	1.10E+00
Vehicle TOG Exhaust	6.28E-03
Vehicle TOG Evaporative	3.70E-04

	Infant	Child
Age -->	0 - <2	2 - <16
Parameter		
ASF	10	3
8-Hr BR* =	1200	520
SchHR** =	0	11
SHR =	24	24
A =	1	1
EF =	0	250
AT =	70	70
SAF =	0.00	1.38

* 95th percentile 8-hr breathing rates for moderate intensity activities
** SchHR assumed to be 11 hours per day

Road Traffic Cancer Risk by Year - Maximum Impact Receptor Location

				Maximum - Exposure Information				Cancer Risk (per million)			
					Annual TAC Conc (ug/m3)						
Exposure Year	Year	Exposure Duration (years)	Age	Age Sensitivity Factor	DPM	Exhaust TOG	Evaporative TOG	DPM	Exhaust TOG	Evaporative TOG	Total
1	2022	1	14	3	0.0022	0.1386	0.1537	0.051	0.018	0.0012	0.07
2	2023	1	15	3	0.0022	0.1386	0.1537	0.051	0.018	0.0012	0.07
3	2024	1	16	3	0.0022	0.1386	0.1537	0.051	0.018	0.001	0.07
4	2025	1	17	3	0.0022	0.1386	0.1537	0.051	0.018	0.001	0.07
Total Increased Cancer Risk								0.204	0.091	0.006	**0.30**

Derby Charter High School - Roadway Emissions
Fruitvale Avenue
DPM Modeling - Roadway Links, Traffic Volumes, and DPM Emissions
Year = 2022

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day
NBFrut_DPM	Northbound Fruitvale Ave	N	2	741.6	0.46	7.3	24.0	3.4	variable	7,565
SBFrut_DPM	Southbound Fruitvale Ave	S	2	741.6	0.46	7.3	24.0	3.4	variable	7,565
									Total	15,130

Emission Factors

Speed Category	1	2	3	4
Travel Speed (mph)	25	20		
Emissions per Vehicle (g/VMT)	0.00087	0.001003		

Emission Factors from CT-EMFAC2017

2022 Hourly Traffic Volumes and DPM Emissions - NBFrut_DPM

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	3.77%	285	3.17E-05	9	6.07%	459	5.90E-05	17	5.28%	399	5.13E-05
2	2.23%	168	1.87E-05	10	7.18%	543	6.03E-05	18	2.84%	215	2.76E-05
3	2.66%	201	2.23E-05	11	6.43%	486	5.40E-05	19	2.51%	190	2.11E-05
4	3.99%	302	3.35E-05	12	6.90%	522	5.79E-05	20	1.11%	84	9.35E-06
5	2.37%	179	1.99E-05	13	6.29%	476	5.28E-05	21	3.05%	231	2.56E-05
6	3.77%	285	3.17E-05	14	6.25%	473	5.25E-05	22	3.95%	299	3.32E-05
7	6.25%	473	5.25E-05	15	5.24%	397	4.40E-05	23	2.26%	171	1.90E-05
8	4.92%	372	4.78E-05	16	3.59%	272	3.02E-05	24	1.08%	82	9.05E-06
								Total		7,565	

2022 Hourly Traffic Volumes Per Direction and DPM Emissions - SBFrut_DPM

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	3.77%	285	3.17E-05	9	6.07%	459	5.90E-05	17	5.28%	399	5.13E-05
2	2.23%	168	1.87E-05	10	7.18%	543	6.03E-05	18	2.84%	215	2.76E-05
3	2.66%	201	2.23E-05	11	6.43%	486	5.40E-05	19	2.51%	190	2.11E-05
4	3.99%	302	3.35E-05	12	6.90%	522	5.79E-05	20	1.11%	84	9.35E-06
5	2.37%	179	1.99E-05	13	6.29%	476	5.28E-05	21	3.05%	231	2.56E-05
6	3.77%	285	3.17E-05	14	6.25%	473	5.25E-05	22	3.95%	299	3.32E-05
7	6.25%	473	5.25E-05	15	5.24%	397	4.40E-05	23	2.26%	171	1.90E-05
8	4.92%	372	4.78E-05	16	3.59%	272	3.02E-05	24	1.08%	82	9.05E-06
								Total		7,565	

Analysis Year = ***2022***

Vehicle Type	2022 Caltrans Vehicles (veh/day)	2022 Vehicles (veh/day)
Total	**15,130**	**15,130**

Increase From 2022 1.00
Vehicles/Direction **7,565**
Avg Vehicles/Hour/Direction 315

Traffic Data Year = ***2022***

Project Traffic Report	AADT Total	Total Truck
10th Street	15,130	620
Percent of Total Vehicles		4.1%

Derby Charter High School - Roadway Emissions
Fruitvale Avenue
PM2.5 Modeling - Roadway Links, Traffic Volumes, and PM2.5 Emissions
Year = 2022

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day
NBFrut_PM25	Northbound Fruitvale Ave	N	2	741.6	0.46	7.3	24	1.3	variable	7,565
SBFrut_PM25	Southbound Fruitvale Ave	S	2	741.6	0.46	7.3	24	1.3	variable	7,565
									Total	15,130

Emission Factors - PM2.5

Speed Category	1	2	3	4
Travel Speed (mph)	25	20		
Emissions per Vehicle (g/VMT)	0.002729	0.00352		

Emisson Factors from CT-EMFAC2017

2022 Hourly Traffic Volumes and PM2.5 Emissions - NBFrut_PM25

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.22%	92	3.22E-05	9	7.08%	536	2.42E-04	17	7.32%	554	2.50E-04
2	0.45%	34	1.19E-05	10	4.47%	338	1.18E-04	18	8.02%	607	2.74E-04
3	0.47%	35	1.23E-05	11	4.71%	357	1.25E-04	19	5.62%	425	1.48E-04
4	0.39%	29	1.02E-05	12	5.92%	448	1.57E-04	20	4.19%	317	1.11E-04
5	0.55%	42	1.46E-05	13	6.15%	465	1.63E-04	21	3.25%	246	8.58E-05
6	1.00%	76	2.65E-05	14	6.05%	457	1.60E-04	22	3.31%	250	8.74E-05
7	3.86%	292	1.02E-04	15	6.96%	527	1.84E-04	23	2.45%	185	6.47E-05
8	7.68%	581	2.62E-04	16	7.03%	532	1.86E-04	24	1.85%	140	4.89E-05
								Total		7,565	

2022 Hourly Traffic Volumes Per Direction and PM2.5 Emissions - SBFrut_PM25

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.22%	92	3.22E-05	9	7.08%	536	2.42E-04	17	7.32%	554	2.50E-04
2	0.45%	34	1.19E-05	10	4.47%	338	1.18E-04	18	8.02%	607	2.74E-04
3	0.47%	35	1.23E-05	11	4.71%	357	1.25E-04	19	5.62%	425	1.48E-04
4	0.39%	29	1.02E-05	12	5.92%	448	1.57E-04	20	4.19%	317	1.11E-04
5	0.55%	42	1.46E-05	13	6.15%	465	1.63E-04	21	3.25%	246	8.58E-05
6	1.00%	76	2.65E-05	14	6.05%	457	1.60E-04	22	3.31%	250	8.74E-05
7	3.86%	292	1.02E-04	15	6.96%	527	1.84E-04	23	2.45%	185	6.47E-05
8	7.68%	581	2.62E-04	16	7.03%	532	1.86E-04	24	1.85%	140	4.89E-05
								Total		7,565	

Derby Charter High School - Roadway Emissions
Fruitvale Avenue
TOG Exhaust Modeling - Roadway Links, Traffic Volumes, and TOG Exhaust Emissions
Year = 2022

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day
NBFrut_TEXH	Northbound Fruitvale Ave	N	2	741.6	0.46	7.3	24	1.3	variable	7,565
SBFrut_TEXH	Southbound Fruitvale Ave	S	2	741.6	0.46	7.3	24	1.3	variable	7,565
									Total	15,130

Emission Factors - TOG Exhaust

Speed Category	1	2	3	4
Travel Speed (mph)	25	20		
All Vehicles TOG Emissions per Vehicle (g/VMT)	0.053479	0.070707		
Diesel Vehicles TOG Emissions per Vehicle (g/VMT)	0.004475	0.006088		
Gasoline Vehicles Emissions per Vehicle (g/VMT)	0.04900	0.06462		

Emisson Factors from CT-EMFAC2017

2022 Hourly Traffic Volumes and TOG Exhaust Emissions - NBFrut_TEXH

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.22%	92	5.79E-04	9	7.08%	536	4.43E-03	17	7.32%	554	4.58E-03
2	0.45%	34	2.14E-04	10	4.47%	338	2.12E-03	18	8.02%	607	5.02E-03
3	0.47%	35	2.22E-04	11	4.71%	357	2.24E-03	19	5.62%	425	2.66E-03
4	0.39%	29	1.83E-04	12	5.92%	448	2.81E-03	20	4.19%	317	1.99E-03
5	0.55%	42	2.62E-04	13	6.15%	465	2.92E-03	21	3.25%	246	1.54E-03
6	1.00%	76	4.76E-04	14	6.05%	457	2.87E-03	22	3.31%	250	1.57E-03
7	3.86%	292	1.83E-03	15	6.96%	527	3.30E-03	23	2.45%	185	1.16E-03
8	7.68%	581	4.81E-03	16	7.03%	532	3.34E-03	24	1.85%	140	8.77E-04
								Total		7,565	

2022 Hourly Traffic Volumes Per Direction and TOG Exhaust Emissions - SBFrut_TEXH

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.22%	92	5.79E-04	9	7.08%	536	4.43E-03	17	7.32%	554	4.58E-03
2	0.45%	34	2.14E-04	10	4.47%	338	2.12E-03	18	8.02%	607	5.02E-03
3	0.47%	35	2.22E-04	11	4.71%	357	2.24E-03	19	5.62%	425	2.66E-03
4	0.39%	29	1.83E-04	12	5.92%	448	2.81E-03	20	4.19%	317	1.99E-03
5	0.55%	42	2.62E-04	13	6.15%	465	2.92E-03	21	3.25%	246	1.54E-03
6	1.00%	76	4.76E-04	14	6.05%	457	2.87E-03	22	3.31%	250	1.57E-03
7	3.86%	292	1.83E-03	15	6.96%	527	3.30E-03	23	2.45%	185	1.16E-03
8	7.68%	581	4.81E-03	16	7.03%	532	3.34E-03	24	1.85%	140	8.77E-04
								Total		7,565	

Derby Charter High School - Roadway Emissions
Fruitvale Avenue
TOG Evaporative Emissions Modeling - Roadway Links, Traffic Volumes, and TOG Evaporative Emissions
Year = 2022

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day
NBFrut_TEVAP	Northbound Fruitvale Ave	N	2	741.6	0.46	7.3	24	1.3	variable	7,565
SBFrut_TEVAP	Southbound Fruitvale Ave	S	2	741.6	0.46	7.3	24	1.3	variable	7,565
									Total	15,130

Emission Factors - PM2.5 - Evaporative TOG

Speed Category	1	2	3	4
Travel Speed (mph)	25	20		
Emissions per Vehicle per Hour (g/hour)	1.49422	1.49422		
Emissions per Vehicle per Mile (g/VMT)	0.05977	0.05977		

Emisson Factors from CT-EMFAC2017

2022 Hourly Traffic Volumes and TOG Evaporative Emissions - NBFrut_TEVAP

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.22%	92	7.06E-04	9	7.08%	536	4.10E-03	17	7.32%	554	4.24E-03
2	0.45%	34	2.62E-04	10	4.47%	338	2.59E-03	18	8.02%	607	4.64E-03
3	0.47%	35	2.70E-04	11	4.71%	357	2.73E-03	19	5.62%	425	3.25E-03
4	0.39%	29	2.23E-04	12	5.92%	448	3.43E-03	20	4.19%	317	2.43E-03
5	0.55%	42	3.20E-04	13	6.15%	465	3.56E-03	21	3.25%	246	1.88E-03
6	1.00%	76	5.80E-04	14	6.05%	457	3.50E-03	22	3.31%	250	1.91E-03
7	3.86%	292	2.23E-03	15	6.96%	527	4.03E-03	23	2.45%	185	1.42E-03
8	7.68%	581	4.45E-03	16	7.03%	532	4.07E-03	24	1.85%	140	1.07E-03
								Total		7,565	

2022 Hourly Traffic Volumes Per Direction and TOG Evaporative Emissions - SBFrut_TEVAP

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.22%	92	7.06E-04	9	7.08%	536	4.10E-03	17	7.32%	554	4.24E-03
2	0.45%	34	2.62E-04	10	4.47%	338	2.59E-03	18	8.02%	607	4.64E-03
3	0.47%	35	2.70E-04	11	4.71%	357	2.73E-03	19	5.62%	425	3.25E-03
4	0.39%	29	2.23E-04	12	5.92%	448	3.43E-03	20	4.19%	317	2.43E-03
5	0.55%	42	3.20E-04	13	6.15%	465	3.56E-03	21	3.25%	246	1.88E-03
6	1.00%	76	5.80E-04	14	6.05%	457	3.50E-03	22	3.31%	250	1.91E-03
7	3.86%	292	2.23E-03	15	6.96%	527	4.03E-03	23	2.45%	185	1.42E-03
8	7.68%	581	4.45E-03	16	7.03%	532	4.07E-03	24	1.85%	140	1.07E-03
								Total		7,565	

Derby Charter High School - Roadway Emissions
Fruitvale Avenue
Fugitive Road PM2.5 Modeling - Roadway Links, Traffic Volumes, and Fugitive Road PM2.5 Emissions
Year = 2022

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day
NBFrut_FUG	Northbound Fruitvale Ave	N	2	741.6	0.46	7.3	24	1.3	variable	7,565
SBFrut_FUG	Southbound Fruitvale Ave	S	2	741.6	0.46	7.3	24	1.3	variable	7,565
									Total	15,130

Emission Factors - Fugitive PM2.5

Speed Category	1	2	3	4
Travel Speed (mph)	25	20		
Tire Wear - Emissions per Vehicle (g/VMT)	0.00216	0.00216		
Brake Wear - Emissions per Vehicle (g/VMT)	0.01674	0.01674		
Road Dust - Emissions per Vehicle (g/VMT)	0.01607	0.01607		
Total Fugitive PM2.5 - Emissions per Vehicle (g/VMT)	0.03497	0.03497		

Emisson Factors from CT-EMFAC2017

2022 Hourly Traffic Volumes and Fugitive PM2.5 Emissions - NBFrut_FUG

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.22%	92	4.13E-04	9	7.08%	536	2.40E-03	17	7.32%	554	2.48E-03
2	0.45%	34	1.53E-04	10	4.47%	338	1.51E-03	18	8.02%	607	2.71E-03
3	0.47%	35	1.58E-04	11	4.71%	357	1.60E-03	19	5.62%	425	1.90E-03
4	0.39%	29	1.30E-04	12	5.92%	448	2.01E-03	20	4.19%	317	1.42E-03
5	0.55%	42	1.87E-04	13	6.15%	465	2.08E-03	21	3.25%	246	1.10E-03
6	1.00%	76	3.40E-04	14	6.05%	457	2.05E-03	22	3.31%	250	1.12E-03
7	3.86%	292	1.31E-03	15	6.96%	527	2.36E-03	23	2.45%	185	8.29E-04
8	7.68%	581	2.60E-03	16	7.03%	532	2.38E-03	24	1.85%	140	6.26E-04
								Total		7,565	

2022 Hourly Traffic Volumes Per Direction and Fugitive PM2.5 Emissions - SBFrut_FUG

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.22%	92	4.13E-04	9	7.08%	536	2.40E-03	17	7.32%	554	2.48E-03
2	0.45%	34	1.53E-04	10	4.47%	338	1.51E-03	18	8.02%	607	2.71E-03
3	0.47%	35	1.58E-04	11	4.71%	357	1.60E-03	19	5.62%	425	1.90E-03
4	0.39%	29	1.30E-04	12	5.92%	448	2.01E-03	20	4.19%	317	1.42E-03
5	0.55%	42	1.87E-04	13	6.15%	465	2.08E-03	21	3.25%	246	1.10E-03
6	1.00%	76	3.40E-04	14	6.05%	457	2.05E-03	22	3.31%	250	1.12E-03
7	3.86%	292	1.31E-03	15	6.96%	527	2.36E-03	23	2.45%	185	8.29E-04
8	7.68%	581	2.60E-03	16	7.03%	532	2.38E-03	24	1.85%	140	6.26E-04
								Total		7,565	

1045 Derby Ave., Oakland, CA - Fruitvale Avenue Traffic - TACs & PM2.5
Maximum Cancer Risk and PM2.5 Concentration
AERMOD Risk Modeling Parameters and Maximum Concentrations
Child Exposures (1.5 meter receptor heights)

Emissions Years	2022
Receptor Information	
Number of Receptors	136
Receptor Height =	1.5 meters
Receptor distances =	6 meter spacing in school building areas

Meteorological Conditions	
BAAQMD Oakland Airport Met Data	2013-2017
Land Use Classification	urban
Wind speed =	variable
Wind direction =	variable

Emission Years	Concentration (µg/m^3)		
	DPM	Exhaust TOG	Evaporative TOG
2022	0.00046	0.0219	0.0242

Emission Years	PM2.5 Concentrations (µg/m^3)		
	Total PM2.5		
2022	**0.015**	-	-

1045 Derby Ave., Oakland, CA - Fruitvale Avenue Traffic
Maximum HighSchool Child Cancer Risks
Child Exposures (1.5 meter receptor heights)
4-Year Child Exposure (Ages 14 - 17)

Cancer Risk Calculation Method

Student Cancer Risk (per million) = CPF x Inhalation Dose x ASF x ED/AT x 1.0E6

Where: CPF = Cancer potency factor $(mg/kg\text{-}day)^{-1}$
ASF = Age sensitivity factor for specified age group
ED = Exposure duration (years)
AT = Averaging time for lifetime cancer risk (years)

Inhalation Dose = C_{air} x SAF x 8hr BR x A x (EF/365) x 10^{-6}

Where: C_{air} = concentration in air ($\mu g/m^3$)
SAF = School Adjustment Factor (unitless) for source operation and school exposures different than 8 hours/day
= (24/SHR) x (SchHR/8 hrs)
SHR = Hours of emission source operation
SchHR = School operation hours while emission source in operation
8-Hr BR = Eight-hour breathing rate (L/kg body weight-per 8 hrs)
A = Inhalation absorption factor
10^{-6} = Conversion factor

Values

Cancer Potency Factors $(mg/kg\text{-}day)^{-1}$

TAC	CPF
DPM	1.10E+00
Vehicle TOG Exhaust	6.28E-03
Vehicle TOG Evaporative	3.70E-04

	Infant	Child
Age -->	0 - <2	2 - <16
Parameter		
ASF	10	3
8-Hr BR* =	1200	520
SchHR** =	0	11
SHR =	24	24
A =	1	1
EF =	0	250
AT =	70	70
SAF =	0.00	1.38

* 95th percentile 8-hr breathing rates for moderate intensity activities
** SchHR assumed to be 11 hours per day

Road Traffic Cancer Risk by Year - Maximum Impact Receptor Location

				Maximum - Exposure Information				Cancer Risk (per million)			
				Age	Annual TAC Conc (ug/m3)						
Exposure Year	Year	Exposure Duration (years)	Age	Sensitivity Factor	DPM	Exhaust TOG	Evaporative TOG	DPM	Exhaust TOG	Evaporative TOG	Total
1	2022	1	14	3	0.0005	0.0219	0.0242	0.011	0.003	0.0002	0.01
2	2023	1	15	3	0.0005	0.0219	0.0242	0.011	0.003	0.0002	0.01
3	2024	1	16	3	0.0005	0.0219	0.0242	0.011	0.003	0.000	0.01
4	2025	1	17	3	0.0005	0.0219	0.0242	0.011	0.003	0.000	0.01
Total Increased Cancer Risk								0.042	0.014	0.001	**0.06**

International Boulevard Emissions and Health Risk Calculations

Derby Charter High School - Roadway Emissions
International Boulevard
DPM Modeling - Roadway Links, Traffic Volumes, and DPM Emissions
Year = 2022

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day
EBIntl_DPM	Eastbound 10th Street	E	2	858.4	0.53	7.3	24.0	3.4	variable	10,500
WBIntl_DPM	Westbound 10th Street	W	2	858.4	0.53	7.3	24.0	3.4	variable	10,500
									Total	21,000

Emission Factors

Speed Category	1	2	3	4
Travel Speed (mph)	25	20		
Emissions per Vehicle (g/VMT)	0.00087	0.001003		

Emission Factors from CT-EMFAC2017

2022 Hourly Traffic Volumes and DPM Emissions - EBIntl_DPM

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	3.77%	396	5.09E-05	9	6.07%	637	9.47E-05	17	5.28%	554	8.24E-05
2	2.23%	234	3.00E-05	10	7.18%	754	9.69E-05	18	2.84%	298	4.43E-05
3	2.66%	279	3.59E-05	11	6.43%	675	8.67E-05	19	2.51%	264	3.39E-05
4	3.99%	419	5.38E-05	12	6.90%	724	9.30E-05	20	1.11%	117	1.50E-05
5	2.37%	249	3.20E-05	13	6.29%	660	8.48E-05	21	3.05%	321	4.12E-05
6	3.77%	396	5.09E-05	14	6.25%	656	8.43E-05	22	3.95%	415	5.33E-05
7	6.25%	656	8.43E-05	15	5.24%	551	7.07E-05	23	2.26%	238	3.05E-05
8	4.92%	517	7.68E-05	16	3.59%	377	4.84E-05	24	1.08%	113	1.45E-05
								Total		10,500	

2022 Hourly Traffic Volumes Per Direction and DPM Emissions - WBIntl_DPM

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	3.77%	396	5.09E-05	9	6.07%	637	9.47E-05	17	5.28%	554	8.24E-05
2	2.23%	234	3.00E-05	10	7.18%	754	9.69E-05	18	2.84%	298	4.43E-05
3	2.66%	279	3.59E-05	11	6.43%	675	8.67E-05	19	2.51%	264	3.39E-05
4	3.99%	419	5.38E-05	12	6.90%	724	9.30E-05	20	1.11%	117	1.50E-05
5	2.37%	249	3.20E-05	13	6.29%	660	8.48E-05	21	3.05%	321	4.12E-05
6	3.77%	396	5.09E-05	14	6.25%	656	8.43E-05	22	3.95%	415	5.33E-05
7	6.25%	656	8.43E-05	15	5.24%	551	7.07E-05	23	2.26%	238	3.05E-05
8	4.92%	517	7.68E-05	16	3.59%	377	4.84E-05	24	1.08%	113	1.45E-05
								Total		10,500	

Analysis Year = ***2022***

Vehicle Type	2022 Caltrans Vehicles (veh/day)	2022 Vehicles (veh/day)
Total	**21,000**	**21,000**

Increase From 2022	1.00
Vehicles/Direction	**10,500**
Avg Vehicles/Hour/Direction	438

Traffic Data Year = ***2022***

Project Traffic Report	AADT Total	Total Truck
10th Street	21,000	861
Percent of Total Vehicles		4.1%

Derby Charter High School - Roadway Emissions
International Boulevard
PM2.5 Modeling - Roadway Links, Traffic Volumes, and PM2.5 Emissions
Year = 2022

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day
EBIntl_PM25	Eastbound 10th Street	E	2	858.4	0.53	7.3	24	1.3	variable	10,500
WBIntl_PM25	Westbound 10th Street	W	2	858.4	0.53	7.3	24	1.3	variable	10,500
									Total	21,000

Emission Factors - PM2.5

Speed Category	1	2	3	4
Travel Speed (mph)	25	20		
Emissions per Vehicle (g/VMT)	0.002729	0.00352		

Emisson Factors from CT-EMFAC2017

2022 Hourly Traffic Volumes and PM2.5 Emissions - EBIntl_PM25

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.22%	128	5.18E-05	9	7.08%	744	3.88E-04	17	7.32%	768	4.01E-04
2	0.45%	47	1.92E-05	10	4.47%	469	1.90E-04	18	8.02%	842	4.39E-04
3	0.47%	49	1.98E-05	11	4.71%	495	2.00E-04	19	5.62%	590	2.38E-04
4	0.39%	40	1.64E-05	12	5.92%	622	2.51E-04	20	4.19%	440	1.78E-04
5	0.55%	58	2.35E-05	13	6.15%	646	2.61E-04	21	3.25%	341	1.38E-04
6	1.00%	105	4.26E-05	14	6.05%	635	2.57E-04	22	3.31%	347	1.40E-04
7	3.86%	405	1.64E-04	15	6.96%	731	2.96E-04	23	2.45%	257	1.04E-04
8	7.68%	807	4.21E-04	16	7.03%	739	2.99E-04	24	1.85%	194	7.85E-05
								Total		10,500	

2022 Hourly Traffic Volumes Per Direction and PM2.5 Emissions - WBIntl_PM25

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.22%	128	5.18E-05	9	7.08%	744	3.88E-04	17	7.32%	768	4.01E-04
2	0.45%	47	1.92E-05	10	4.47%	469	1.90E-04	18	8.02%	842	4.39E-04
3	0.47%	49	1.98E-05	11	4.71%	495	2.00E-04	19	5.62%	590	2.38E-04
4	0.39%	40	1.64E-05	12	5.92%	622	2.51E-04	20	4.19%	440	1.78E-04
5	0.55%	58	2.35E-05	13	6.15%	646	2.61E-04	21	3.25%	341	1.38E-04
6	1.00%	105	4.26E-05	14	6.05%	635	2.57E-04	22	3.31%	347	1.40E-04
7	3.86%	405	1.64E-04	15	6.96%	731	2.96E-04	23	2.45%	257	1.04E-04
8	7.68%	807	4.21E-04	16	7.03%	739	2.99E-04	24	1.85%	194	7.85E-05
								Total		10,500	

Derby Charter High School - Roadway Emissions
International Boulevard
TOG Exhaust Modeling - Roadway Links, Traffic Volumes, and TOG Exhaust Emissions
Year = 2022

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day
EBIntl_TEXH	Eastbound 10th Street	E	2	858.4	0.53	7.3	24	1.3	variable	10,500
WBIntl_TEXH	Westbound 10th Street	W	2	858.4	0.53	7.3	24	1.3	variable	10,500
									Total	21,000

Emission Factors - TOG Exhaust

Speed Category	1	2	3	4
Travel Speed (mph)	25	20		
All Vehicles TOG Emissions per Vehicle (g/VMT)	0.053479	0.070707		
Diesel Vehicles TOG Emissions per Vehicle (g/VMT)	0.004475	0.006088		
Gasoline Vehicles Emissions per Vehicle (g/VMT)	0.04900	0.06462		

Emisson Factors from CT-EMFAC2017

2022 Hourly Traffic Volumes and TOG Exhaust Emissions - EBIntl_TEXH

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.22%	128	9.30E-04	9	7.08%	744	7.12E-03	17	7.32%	768	7.36E-03
2	0.45%	47	3.45E-04	10	4.47%	469	3.41E-03	18	8.02%	842	8.06E-03
3	0.47%	49	3.56E-04	11	4.71%	495	3.59E-03	19	5.62%	590	4.28E-03
4	0.39%	40	2.94E-04	12	5.92%	622	4.52E-03	20	4.19%	440	3.20E-03
5	0.55%	58	4.22E-04	13	6.15%	646	4.69E-03	21	3.25%	341	2.48E-03
6	1.00%	105	7.65E-04	14	6.05%	635	4.61E-03	22	3.31%	347	2.52E-03
7	3.86%	405	2.94E-03	15	6.96%	731	5.31E-03	23	2.45%	257	1.87E-03
8	7.68%	807	7.72E-03	16	7.03%	739	5.36E-03	24	1.85%	194	1.41E-03
								Total		10,500	

2022 Hourly Traffic Volumes Per Direction and TOG Exhaust Emissions - WBIntl_TEXH

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.22%	128	9.30E-04	9	7.08%	744	7.12E-03	17	7.32%	768	7.36E-03
2	0.45%	47	3.45E-04	10	4.47%	469	3.41E-03	18	8.02%	842	8.06E-03
3	0.47%	49	3.56E-04	11	4.71%	495	3.59E-03	19	5.62%	590	4.28E-03
4	0.39%	40	2.94E-04	12	5.92%	622	4.52E-03	20	4.19%	440	3.20E-03
5	0.55%	58	4.22E-04	13	6.15%	646	4.69E-03	21	3.25%	341	2.48E-03
6	1.00%	105	7.65E-04	14	6.05%	635	4.61E-03	22	3.31%	347	2.52E-03
7	3.86%	405	2.94E-03	15	6.96%	731	5.31E-03	23	2.45%	257	1.87E-03
8	7.68%	807	7.72E-03	16	7.03%	739	5.36E-03	24	1.85%	194	1.41E-03
								Total		10,500	

Derby Charter High School - Roadway Emissions
International Boulevard
TOG Evaporative Emissions Modeling - Roadway Links, Traffic Volumes, and TOG Evaporative Emissions
Year = 2022

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day
EBIntl_TEVAP	Eastbound 10th Street	E	2	858.4	0.53	7.3	24	1.3	variable	10,500
WBIntl_TEVAP	Westbound 10th Street	W	2	858.4	0.53	7.3	24	1.3	variable	10,500
									Total	21,000

Emission Factors - PM2.5 - Evaporative TOG

Speed Category	1	2	3	4
Travel Speed (mph)	25	20		
Emissions per Vehicle per Hour (g/hour)	1.49422	1.49422		
Emissions per Vehicle per Mile (g/VMT)	0.05977	0.05977		

Emisson Factors from CT-EMFAC2017

2022 Hourly Traffic Volumes and TOG Evaporative Emissions - EBIntl_TEVAP

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.22%	128	1.13E-03	9	7.08%	744	6.58E-03	17	7.32%	768	6.80E-03
2	0.45%	47	4.20E-04	10	4.47%	469	4.16E-03	18	8.02%	842	7.45E-03
3	0.47%	49	4.34E-04	11	4.71%	495	4.38E-03	19	5.62%	590	5.22E-03
4	0.39%	40	3.58E-04	12	5.92%	622	5.51E-03	20	4.19%	440	3.90E-03
5	0.55%	58	5.14E-04	13	6.15%	646	5.72E-03	21	3.25%	341	3.02E-03
6	1.00%	105	9.33E-04	14	6.05%	635	5.62E-03	22	3.31%	347	3.08E-03
7	3.86%	405	3.59E-03	15	6.96%	731	6.47E-03	23	2.45%	257	2.28E-03
8	7.68%	807	7.14E-03	16	7.03%	739	6.54E-03	24	1.85%	194	1.72E-03
								Total		10,500	

2022 Hourly Traffic Volumes Per Direction and TOG Evaporative Emissions - WBIntl_TEVAP

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.22%	128	1.13E-03	9	7.08%	744	6.58E-03	17	7.32%	768	6.80E-03
2	0.45%	47	4.20E-04	10	4.47%	469	4.16E-03	18	8.02%	842	7.45E-03
3	0.47%	49	4.34E-04	11	4.71%	495	4.38E-03	19	5.62%	590	5.22E-03
4	0.39%	40	3.58E-04	12	5.92%	622	5.51E-03	20	4.19%	440	3.90E-03
5	0.55%	58	5.14E-04	13	6.15%	646	5.72E-03	21	3.25%	341	3.02E-03
6	1.00%	105	9.33E-04	14	6.05%	635	5.62E-03	22	3.31%	347	3.08E-03
7	3.86%	405	3.59E-03	15	6.96%	731	6.47E-03	23	2.45%	257	2.28E-03
8	7.68%	807	7.14E-03	16	7.03%	739	6.54E-03	24	1.85%	194	1.72E-03
								Total		10,500	

Derby Charter High School - Roadway Emissions
International Boulevard
Fugitive Road PM2.5 Modeling - Roadway Links, Traffic Volumes, and Fugitive Road PM2.5 Emissions
Year = 2022

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day
EBIntl_FUG	Eastbound 10th Street	E	2	858.4	0.53	7.3	24	1.3	variable	10,500
WBIntl_FUG	Westbound 10th Street	W	2	858.4	0.53	7.3	24	1.3	variable	10,500
									Total	21,000

Emission Factors - Fugitive PM2.5

Speed Category	1	2	3	4
Travel Speed (mph)	25	20		
Tire Wear - Emissions per Vehicle (g/VMT)	0.00216	0.00216		
Brake Wear - Emissions per Vehicle (g/VMT)	0.01674	0.01674		
Road Dust - Emissions per Vehicle (g/VMT)	0.01607	0.01607		
Total Fugitive PM2.5 - Emissions per Vehicle (g/VMT)	0.03497	0.03497		

Emisson Factors from CT-EMFAC2017

2022 Hourly Traffic Volumes and Fugitive PM2.5 Emissions - EBIntl_FUG

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.22%	128	6.64E-04	9	7.08%	744	3.85E-03	17	7.32%	768	3.98E-03
2	0.45%	47	2.46E-04	10	4.47%	469	2.43E-03	18	8.02%	842	4.36E-03
3	0.47%	49	2.54E-04	11	4.71%	495	2.56E-03	19	5.62%	590	3.05E-03
4	0.39%	40	2.10E-04	12	5.92%	622	3.22E-03	20	4.19%	440	2.28E-03
5	0.55%	58	3.01E-04	13	6.15%	646	3.35E-03	21	3.25%	341	1.77E-03
6	1.00%	105	5.46E-04	14	6.05%	635	3.29E-03	22	3.31%	347	1.80E-03
7	3.86%	405	2.10E-03	15	6.96%	731	3.79E-03	23	2.45%	257	1.33E-03
8	7.68%	807	4.18E-03	16	7.03%	739	3.83E-03	24	1.85%	194	1.01E-03
								Total		10,500	

2022 Hourly Traffic Volumes Per Direction and Fugitive PM2.5 Emissions - WBIntl_FUG

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.22%	128	6.64E-04	9	7.08%	744	3.85E-03	17	7.32%	768	3.98E-03
2	0.45%	47	2.46E-04	10	4.47%	469	2.43E-03	18	8.02%	842	4.36E-03
3	0.47%	49	2.54E-04	11	4.71%	495	2.56E-03	19	5.62%	590	3.05E-03
4	0.39%	40	2.10E-04	12	5.92%	622	3.22E-03	20	4.19%	440	2.28E-03
5	0.55%	58	3.01E-04	13	6.15%	646	3.35E-03	21	3.25%	341	1.77E-03
6	1.00%	105	5.46E-04	14	6.05%	635	3.29E-03	22	3.31%	347	1.80E-03
7	3.86%	405	2.10E-03	15	6.96%	731	3.79E-03	23	2.45%	257	1.33E-03
8	7.68%	807	4.18E-03	16	7.03%	739	3.83E-03	24	1.85%	194	1.01E-03
								Total		10,500	

1045 Derby Ave., Oakland, CA - International Blvd Traffic - TACs & PM2.5
Maximum Cancer Risk and PM2.5 Concentration
AERMOD Risk Modeling Parameters and Maximum Concentrations
Child Exposures (1.5 meter receptor heights)

Emissions Years	2022
Receptor Information	
Number of Receptors	136
Receptor Height =	1.5 meters
Receptor distances =	6 meter spacing in school building areas

Meteorological Conditions	
BAAQMD Oakland Airport Met Data	2013-2017
Land Use Classification	urban
Wind speed =	variable
Wind direction =	variable

Emission Years	Concentration (µg/m^3)		
	DPM	Exhaust TOG	Evaporative TOG
2022	0.00087	0.0397	0.0444

Emission Years	PM2.5 Concentrations (µg/m^3)		
	Total PM2.5		
2022	**0.034**	-	-

1045 Derby Ave., Oakland, CA - International Blvd Traffic
Maximum HighSchool Child Cancer Risks
Child Exposures (1.5 meter receptor heights)
4-Year Child Exposure (Ages 14 - 17)

Cancer Risk Calculation Method

Student Cancer Risk (per million) = CPF x Inhalation Dose x ASF x ED/AT x 1.0E6

Where: CPF = Cancer potency factor $(mg/kg\text{-}day)^{-1}$
ASF = Age sensitivity factor for specified age group
ED = Exposure duration (years)
AT = Averaging time for lifetime cancer risk (years)

Inhalation Dose = C_{air} x SAF x 8hr BR x A x (EF/365) x 10^{-6}

Where: C_{air} = concentration in air ($\mu g/m^3$)
SAF = School Adjustment Factor (unitless) for source operation and school exposures different than 8 hours/day
= (24/SHR) x (SchHR/8 hrs)
SHR = Hours of emission source operation
SchHR = School operation hours while emission source in operation
8-Hr BR = Eight-hour breathing rate (L/kg body weight-per 8 hrs)
A = Inhalation absorption factor
10^{-6} = Conversion factor

Values

Cancer Potency Factors $(mg/kg\text{-}day)^{-1}$

TAC	CPF
DPM	1.10E+00
Vehicle TOG Exhaust	6.28E-03
Vehicle TOG Evaporative	3.70E-04

	Infant	Child
Age -->	0 - <2	2 - <16
Parameter		
ASF	10	3
8-Hr BR* =	1200	520
SchHR** =	0	11
SHR =	24	24
A =	1	1
EF =	0	250
AT =	70	70
SAF =	0.00	1.38

* 95th percentile 8-hr breathing rates for moderate intensity activities
** SchHR assumed to be 11 hours per day

Road Traffic Cancer Risk by Year - Maximum Impact Receptor Location

				Maximum - Exposure Information							
				Age	Annual TAC Conc (ug/m3)			Cancer Risk (per million)			
Exposure Year	Year	Exposure Duration (years)	Age	Sensitivity Factor	DPM	Exhaust TOG	Evaporative TOG	DPM	Exhaust TOG	Evaporative TOG	Total
1	2022	1	14	3	0.0009	0.0397	0.0444	0.020	0.005	0.0003	0.03
2	2023	1	15	3	0.0009	0.0397	0.0444	0.020	0.005	0.0003	0.03
3	2024	1	16	3	0.0009	0.0397	0.0444	0.020	0.005	0.000	0.03
4	2025	1	17	3	0.0009	0.0397	0.0444	0.020	0.005	0.000	0.03
Total Increased Cancer Risk								0.080	0.026	0.002	**0.11**

Shopping Center Diesel Delivery Truck Emissions and health Risk Calculations

Derby Charter High School, Oakland, CA
2022 Shopping Center Delivery Truck Emissions - DPM

Road Segment	Road Segment ID	Road Segment Length (ft)	Road Segment Length (m)	Modeled Road Width (ft)	Initial[a] Vertical Height (m)	Release[a] Height (m)	No. of Daily Trucks	Travel Speed (mph)	DPM/PM2.5[b] Emission Factor (g/veh-mi)	Truck Travel DPM Emissions Daily (g/day)	Truck Travel DPM Emissions Hourly (lb/hr)
Off-Site Truck Route - Ingress	IN_DPM	1,027	313	12	6.8	3.4	7	20	0.00103	0.001	1.29E-07
Off-Site Truck Route - Egress	OUT_DPM	1,769	539	12	6.8	3.4	7	20	0.00103	0.002	2.22E-07
OnSite Truck Route	ONSITE_DPM	1,930	588	12	6.8	3.4	7	15	0.00128	0.003	3.01E-07

[a] Line-area source parameters based on EPA 2015

[b] Emission factor from CT-EMFAC for 2022 for running exhaust PM10 emissions for 2023. PM2.5 emissions assumed to be the same as PM10

On-Site Diesel Truck Idle Emissions

Project Phase	Point Source Name	Stack[a] Height (m)	Stack[a] Diameter (m)	Stack[a] Velocity (m/s)	Stack[a] Temp (^{o}K)	No. of Daily Trucks	Idle[b] Emission Factor (g/veh-hr)	Truck Idle Emissions Idle Emissions Daily (g/day)	Truck Idle Emissions Idle Emissions Hourly (lb/hr)
Building 1 - Idle Area A	IDLB1A_DPM	3.84	0.1	51.71	366	2	0.01012	0.0034	3.10E-07
Building 1 - Idle Area B	IDLB1B_DPM	3.84	0.1	51.71	366	1	0.01012	0.0017	1.55E-07
Building 2 - Idle Area	IDLB2_DPM	3.84	0.1	51.71	366	1	0.01012	0.0017	1.55E-07
Building 3 - Idle Area	IDLB3_DPM	3.84	0.1	51.71	366	1	0.01012	0.0017	1.55E-07
Buildings 4 & 5 - Idle Area	IDLB45_DPM	3.84	0.1	51.71	366	1	0.01012	0.0017	1.55E-07
Building 6 - Idle Area	IDLB6_DPM	3.84	0.1	51.71	366	1	0.01012	0.0017	1.55E-07

[a] Point source parameters from SJVAPCD *Guidance for Air Dispersion Modeling* .

[b] Emission factor from CT-EMFAC for PM10 idle emissions for 2023

Truck Information

Truck Trips per day =	14
Total Trucks per day =	7
Operation Days =	365
Delivery Truck Hours (hrs/day) =	24

Truck Idle DPM Emission Information (2022)

CTEMFAC2017 Emission Factor @ 5 mph (g/mi) =	0.00202
Truck Idle Emission Rate (g/hr) =	0.01012
Idle Time per Trip (min)	5
Idle Time per Truck (min)	10

Idle emission factor (g/hr) = EF @5 mph (g/mi) * 5 mph

References

EPA 2015 - *Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 nonattainment and maintenance Areas* , November 2015

1045 Derby Ave., Oakland, CA - Shopping Center Trucks - TACs & PM2.5
Maximum Cancer Risk and PM2.5 Concentration
AERMOD Risk Modeling Parameters and Maximum Concentrations
Child Exposures (1.5 meter receptor heights)

Emissions Years	2022
Receptor Information	
Number of Receptors	136
Receptor Height =	1.5 meters
Receptor distances =	6 meter spacing in school building areas

Meteorological Conditions	
BAAQMD Oakland Airport Met Data	2013-2017
Land Use Classification	urban
Wind speed =	variable
Wind direction =	variable

Emission Years	Concentration (µg/m^3)		
	DPM	Exhaust TOG	Evaporative TOG
2022	4.04E-06		

Emission Years	PM2.5 Concentrations (µg/m^3)		
	Total PM2.5		
2022	**4.04E-06**	-	-

1045 Derby Ave., Oakland, CA - Shopping Center Trucks
Maximum HighSchool Child Cancer Risks
Child Exposures (1.5 meter receptor heights)
4-Year Child Exposure (Ages 14 - 17)

Cancer Risk Calculation Method

Student Cancer Risk (per million) = CPF x Inhalation Dose x ASF x ED/AT x 1.0E6

Where: CPF = Cancer potency factor $(mg/kg\text{-}day)^{-1}$
ASF = Age sensitivity factor for specified age group
ED = Exposure duration (years)
AT = Averaging time for lifetime cancer risk (years)

Inhalation Dose = C_{air} x SAF x 8hr BR x A x (EF/365) x 10^{-6}

Where: C_{air} = concentration in air ($\mu g/m^3$)
SAF = School Adjustment Factor (unitless) for source operation and school exposures different than 8 hours/day
= (24/SHR) x (SchHR/8 hrs)
SHR = Hours of emission source operation
SchHR = School operation hours while emission source in operation
8-Hr BR = Eight-hour breathing rate (L/kg body weight-per 8 hrs)
A = Inhalation absorption factor
10^{-6} = Conversion factor

Values

Cancer Potency Factors $(mg/kg\text{-}day)^{-1}$

TAC	CPF
DPM	1.10E+00
Vehicle TOG Exhaust	6.28E-03
Vehicle TOG Evaporative	3.70E-04

	Infant	Child
Age -->	0 - <2	2 - <16
Parameter		
ASF	10	3
8-Hr BR* =	1200	520
SchHR** =	0	11
SHR =	24	24
A =	1	1
EF =	0	250
AT =	70	70
SAF =	0.00	1.38

* 95th percentile 8-hr breathing rates for moderate intensity activities
** SchHR assumed to be 11 hours per day

Road Traffic Cancer Risk by Year - Maximum Impact Receptor Location

				Maximum - Exposure Information				Cancer Risk (per million)			
					Annual TAC Conc (ug/m3)						
Exposure Year	Year	Exposure Duration (years)	Age	Age Sensitivity Factor	DPM	Exhaust TOG	Evaporative TOG	DPM	Exhaust TOG	Evaporative TOG	Total
1	2022	1	14	3	0.0000	0.0000	0.0000	0.000	0.000	0.0000	0.00
2	2023	1	15	3	0.0000	0.0000	0.0000	0.000	0.000	0.0000	0.00
3	2024	1	16	3	0.0000	0.0000	0.0000	0.000	0.000	0.000	0.00
4	2025	1	17	3	0.0000	0.0000	0.0000	0.000	0.000	0.000	0.00
Total Increased Cancer Risk								0.000	0.000	0.000	**0.0004**

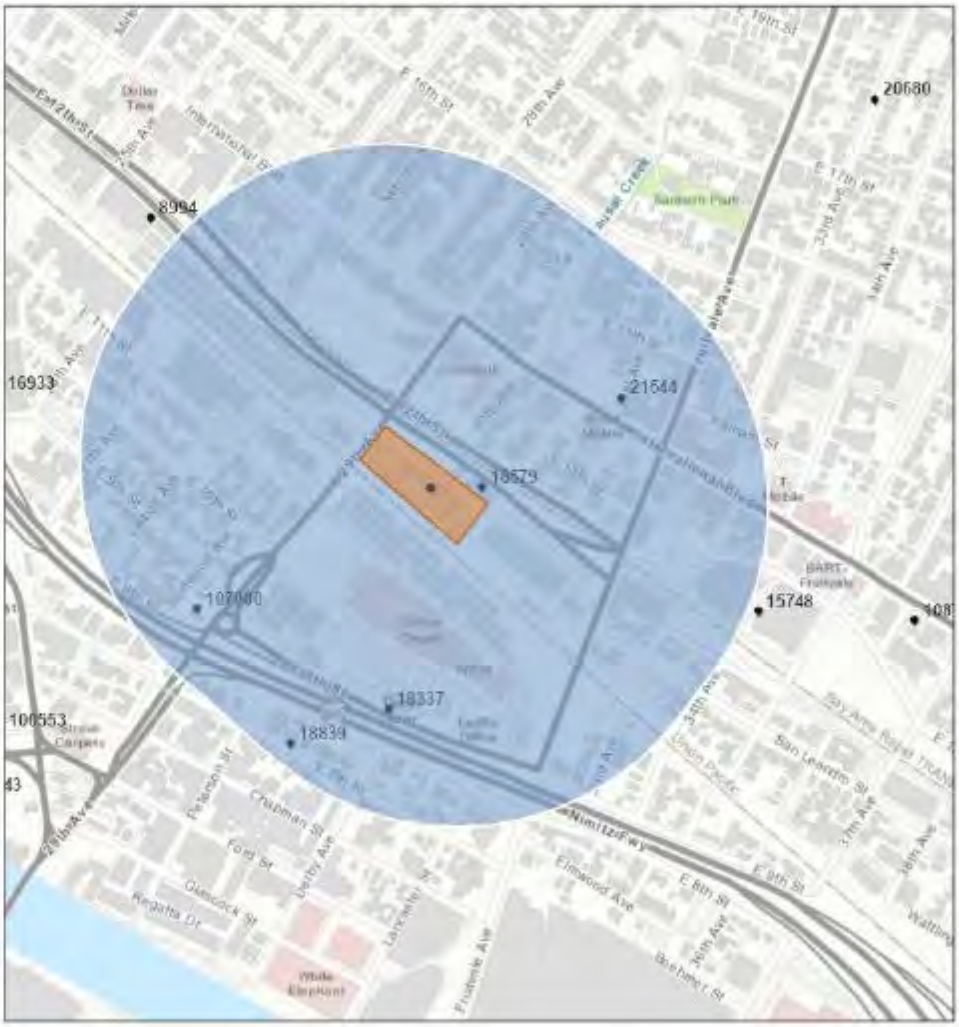
Permitted Stationary Source Information

Stationary Source Risk & Hazards Screening Report

Area of Interest (AOI) Information

Area : 7,765,849.8 ft²

Dec 1 2020 12:08:21 Pacific Standard Time



1:9,028

0 0.06 0.1 0.2 mi

0 0.07 0.15 0.3 km

Permitted Facilities 2018

Bureau of Land Management, Esri, HERE, Garmin, INCREMENT P, Intermap, USGS, METI/NASA, EPA, USDA

12/1/2020

Summary

Name	Count	Area(ft²)	Length(ft)
Permitted Facilities 2018	5	N/A	N/A

Permitted Facilities 2018

#	FACID	Name	Address	City	St
1	18337	Food Maxx #484	3000 E 9th Street	Oakland	CA
2	18579	H & H Auto Collision Inc	3031 E 12th St	Oakland	CA
3	18839	Bay One Auto Body	2939 E 7th St	Oakland	CA
4	21544	Pro Speed Auto Body	1410 31st Ave	Oakland	CA
5	107000	Portwood Shell #135696	820 Portwood Ave	Oakland	CA

#	Zip	County	Cancer	Hazard	PM_25	Type	Count
1	94601	Alameda	0.000	0.000	0.000	Generators	1
2	94601	Alameda	0.000	0.000	0.000	Contact BAAQMD	1
3	94601	Alameda	0.000	0.000	0.000	Contact BAAQMD	1
4	94601	Alameda	0.000	0.000	0.000	Contact BAAQMD	1
5	94601	Alameda	4.210	0.020	0.000	Gas Dispensing Facility	1

Note: The estimated risk and hazard impacts from these sources would be expected to be substantially lower when site specific Health Risk Screening Assessments are conducted.

The screening level map is not recommended for evaluating sensitive land uses such as schools, senior centers, day cares, and health facilities.

© Copyright 2018 Bay Area Air Quality Management District

Hi Casey,

We've found 2 more within ¼ miles in addition to the 5 you listed. There were permitted this year and our emission inventory files do not have any risk scores for them yet.

Additional Facilities with permitted sources emitting toxic emissions within 0.25 miles c

Distance	Facility Number	Facility Name	Street Address	City
0.10	24238	Red Bay Coffee Company	3098 E 10th Street	Oakland
0.19	201685	Lucasey Lofts, LP	2744 E 11th St	Oakland

Their toxics emissions are low enough that Health Risk Assessments were not required in their permit applications.

Regards,
Eric

From: Casey Divine <CDivine@illingworthrodkin.com>
Sent: Thursday, December 17, 2020 3:09 PM
To: Eric Chan <echan@baaqmd.gov>
Cc: Engineering Records Custodian <eng-recordscustodian@baaqmd.gov>
Subject: RE: Public Records Request No. 2020-12-0006, Casey Divine

CAUTION: This email originated from outside of the BAAQMD network. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Eric,

Thank you for following up with me about the EFC High School project. The address of the project is 1045 Derby Ave in Oakland and the UTM coordinates for the center of the project site are approximately 567836.80 m E, 4181368.01 m N. I identified 5 sources within ¼ mile of the project site on the 2018 Stationary Source GIS Map, and have a risk and emissions data request for these 5 sources in to Areana Flores, but wanted to make sure there were no others since this is a proposed school facility. The 5 sources I found with the GIS map were:

FACID
18337
18579
18839
21544
107000

I've attached a Google Earth Map, which contains the project location and ¼ mile influence area. I've also attached the project site plan, and the Stationary Source Information Request forms.

Please let me know if there's anything else I can provide. Thank you for your help.

Mrs. Casey Divine
Illingworth & Rodkin, Inc.
429 E. Cotati Ave
Cotati, CA 94931
Phone: (707) 794-0400 x103
Fax: (707) 794-0405

From: Eric Chan <echan@baaqmd.gov>
Sent: Thursday, December 17, 2020 2:59 PM
To: Casey Divine <CDivine@illingworthrodkin.com>
Cc: Engineering Records Custodian <eng-recordscustodian@baaqmd.gov>
Subject: FW: Public Records Request No. 2020-12-0006, Casey Divine

Casey,

I did not get the plot plan or utm coordinates for 1045 Derby Ave, just the previous ones from 4315 Lincoln Ave. Please forward the info for 1045 Derby Ave and your list of 5 sources you found.

Thanks,
Eric

From: Engineering Records Custodian <eng-recordscustodian@baaqmd.gov>
Sent: Tuesday, December 15, 2020 11:18 AM
To: Eric Chan <echan@baaqmd.gov>
Subject: RE: Public Records Request No. 2020-12-0006, Casey Divine

HI Eric,

I checked with Rochelle before forwarding too and she said they're for the same request. Do you need her to double check with the requester?

Becky

From: Eric Chan <echan@baaqmd.gov>
Sent: Tuesday, December 15, 2020 10:58 AM
To: Engineering Records Custodian <eng-recordscustodian@baaqmd.gov>
Subject: RE: Public Records Request No. 2020-12-0006, Casey Divine

Hi Becky,

Are these two requests? One for 4315 Lincoln Ave in Oakland and one for 1045 Derby Ave, Oakland?

Eric

From: Engineering Records Custodian <eng-recordscustodian@baaqmd.gov>
Sent: Monday, December 7, 2020 6:27 PM
To: Eric Chan <echan@baaqmd.gov>
Cc: Engineering Records Custodian <eng-recordscustodian@baaqmd.gov>
Subject: FW: Public Records Request No. 2020-12-0006, Casey Divine

Hi Eric,

Please see the school request below and attached.

Thank you!
Becky

From: Public Records <PublicRecords@baaqmd.gov>
Sent: Wednesday, December 2, 2020 1:31 PM
To: Engineering Records Custodian <eng-recordscustodian@baaqmd.gov>
Subject: Public Records Request No. 2020-12-0006, Casey Divine

Hello,

I am forwarding a public records request to you so that you can help me respond to the requester.

On 12/1/2020, the District received a public records request from:

> Casey Divine
> Illingworth & Rodkin, Inc.
> 707-794-0400 x103
> cdivine@illingworthrodkin.com

The requester asked for the following information:

> Proposed Project- EFC High School, 1045 Derby Ave, Oakland
> Proposed Project- EFC High School, 1045 Derby Ave, Oakland
> N/A
> N/A, CaliforniaN/A
> Episode Printout: No
> Permit Application Printout: No
> Violation Printout: No
> Complaint Printout: No
> Attention to Eric Chan. I have a Stationary Source Information Request for a proposed high school project at 1045 Derby Ave in Oakland. I will follow up with the CSV and PDF report for the 5 sources found with ¼ mile of the project on the 2018 Permitted

Stationary Sources GIS map. I will also send a Google Earth kmz file with the project site and ¼ mile influence area from the high school. Since this is a school project, I wanted to verify that these 5 sources are the only sources within the ¼ mile area. Thank you.

Please feel free to contact the requester if you need additional information. Let me know whether we have the information and when you think it will be available. I need to let the requester know within 10 days of the request whether we have disclosable records and, if we do, when we will make them available. Also, let me know if we will need to do any programming or other work for which we may need to charge the requester. If you have any questions, please e-mail me or call me at x4784.

Thank you for your help.

Best,

Rochele Henderson
Public Records Section
BAAQMD
Contact: 415-749-4784
Outside email: publicrecords@baaqmd.gov
In-house email: precords

FID	OBJECTID	FACID	Name	Address	City	St	Zip	County	Cancer	Hazard	PM_25	Type	Latitude	Longitude	x	y
3678	3,678	18337	Food Maxx #484	3000 E 9th Street	Oakland	CA	94601	Alameda	0.0027	0.0000	0.0001	Generators	37.774	-122.23	-1.4E+07	4547574
3781	3,781	18579	H & H Auto Collision Inc	3031 E 12th St	Oakland	CA	94601	Alameda		0.0001		Coating Operation	37.777	-122.229	-1.4E+07	4547976
3899	3,899	18839	Bay One Auto Body	2939 E 7th St	Oakland	CA	94601	Alameda		0.0009		Coating Operation	37.774	-122.232	-1.4E+07	4547513
5225	5,225	21544	Pro Speed Auto Body	1410 31st Ave	Oakland	CA	94601	Alameda		0.0005		Coating Operation	37.778	-122.227	-1.4E+07	4548136
7098	7,098	107000	Portwood Shell #135696	820 Portwood Ave	Oakland	CA	94601	Alameda	4.21	0.02	0	Gas Dispensing Facility	37.775	-122.233	-1.4E+07	4547756

Stationary Source Data Request

Instructions

Complete all contact and project information below. Submit this form along with a printout of the Stationary Source Risk and Hazards Screening Report (instructions below) using the Permitted Stationary Source Risk and Hazards GIS map. Submit request and questions to Areana Flores at aflores@baaqmd.gov. If the project involves a sensitive land use, please submit this form through Public Records .

Information

Contact Name	Casey Divine	Project Name	1045 Derby Ave
Affiliation	Illingworth & Rodkin, Inc.	Address	1045 Derby Ave
Phone	707-794-0400	City	Oakland
Email	cdivine@illingworthrodkin.com	County	Alameda
Date	12/1/2020	Type (residential, commercial, mixed use, industrial, etc.)	400 students

Fill in requested data parameters and additional comments below:

Hi Areana, 3 of the 5 sources (#18579, #18839, #21544) are "contact BAAQMD". Can you please provide the risk impacts for these sources? Also wanted to confirm generator source #18337 has no risk impacts. Thank you.

Process for retrieving screening report:

1. Go to GIS map
2. Click on the "screening" widget (top left)
3. Click on "draw"
4. Select draw mode
5. Draw parcel of interest
6. Click "report"
7. Download CSV and print pdf

Revised 4.06.2020

Appendix C

Preservation Architecture

***Historic Resource Evaluation, 1045 Derby, Oakland*, September 8, 2020**

PRESERVATION
ARCHITECTURE

September 8, 2002

1045 Derby Ave., Oakland
Historic Resource Evaluation

The subject East Oakland property is State of California owned and which, from c1947 to c2015, housed a State highway maintenance facility and is presently occupied by a charter school.

This historic resource effort largely addresses and evaluates the property's former use and character. Additionally, this evaluation has been prepared in a period of highly limited research access and capabilities. Consequently, no ownership or deed research has been undertaken as part of this evaluation effort.

The subject parcel (APN 25-693-7-2) is approximately 610 feet in length (east-west) and from 125 ft. (westerly) to 175 ft. (easterly) wide, thus with an area of some 2 acres. (Note: local street orientation is askew so, herein, south is towards the freeway.) The property fronts on and is accessed from 29th Avenue to the west and Derby Avenue to the east. A vacant industrial property lies adjacent to the north. Just beyond, across E.12th Street, the elevated BART tracks run east-west. The Southern Pacific Railroad right-of-way and tracks lie to the south. And one block to the east, Fruitvale Ave. traverses north-south (figs.1-4).

The property was first developed as a State highway maintenance facility. When that facility was completed in 1951, the property housed an office building, two shop buildings and a parking shed within open equipment yards (fig.5). Immediately prior, per the 1950 Sanborn map, the property housed the "Cal. Highway Commissions' Store Rm, W'Ho. & Shops" in a single concrete and steel framed building – which is the easternmost existing industrial building – surrounded by an "Equipment Yard" (fig.6). Directly to the east of the shop building, where there are a pair of current modular buildings, stood a small structure labeled an "Off[ice]", while an elongated "Equipment Shed" also stood along the northern property line to the west of the shop building. At that time, the slot-like property was aligned between two railroad rights-of-way, the Western/Central Pacific directly to the north and the Southern Pacific directly south. The SPRR tracks and right-of-way remain, whereas the former WPRR to the north is the present vacant industrial property.

At this juncture, it is presumed that the State highway facility and its first structures originated in the immediate wake of World War II, when the State's freeway system was undergoing development based on the Collier-Burns Highway Act of 1947. Such developments included the East Shore Freeway through Oakland, the first leg of which extended from Fifth Ave. and Oak St. southeastward to 23rd Ave. and which opened in June of 1949. Its next leg – from 23rd to 98th avenues – opened in June of 1950.

An available set of plans for the completed complex, dated September 1950, was labeled "Alteration & Additions Yard Shop #4" for the "Division of Highways Dist. IV" (attached). That set consisted of 15 architectural, structural and electrical drawing sheets prepared by the State of California Department of Public Works' Division of Architecture, under the signature of P.T. Poage, Assistant State Architect. Several miscellaneous change order sheets, dated March 1951, were also appended.

Therein, the arrangement of the existing site and each of the remaining buildings were shown including, in the site plan, the then existing shop building identified to remain, along with a number of small buildings, the easternmost office building depicted in the 1950 Sanborn included. Construction

446 17th Street #302 Oakland 94612
510 418 0285 mhulbert@earthlink.net

drawings of the then new office and shop building were each part of that set (figs.7-8) Site work also identified the removal of the elongated parking shed along the northern property line to be relocated to the south, plus new fences, gates and, along the southern property line along the SPRR, a concrete retaining wall.

No specific evidence has been found of the origins of the original and extant shop building. While it is presumed to date to the post-WWII CA highway program, it could possibly be related to the establishment of the 1930s CA highway program so thus date back to the immediate pre-WWII period and to the opening of the Bay Bridge.

Another set of available plans, dated 1980, further illustrated the site and each of its extant buildings (fig.9 + attached drawing set). Labeled “South Oakland Maintenance Station Women’s Restroom Facilities,” which address was given as 1112 29th Avenue, this set of 12 engineering sheets was prepared by and for the State’s Department of Transportation, the succeeding State bureaucracy to the Division of Highways. Therein, the 1950 office building and vehicle shed were shown; the c1947 shop was labeled “Equipment Storage Building,” the 1950 shop building part “Vehicle Storage” and part “Sign Storage;” and, again, the small pre-1950 office building just east of the original shop building was also identified as existing. Along with the alteration and addition of restrooms within the 1950 shop building, the 1980 work included fire sprinklers in both shop buildings, so each building was documented in plan and section (figs.10-11).

Descriptions (figs.12-17)

The c1947 shop building is a flat-roofed industrial structure measuring 120 ft. wide (east-west) by 90 ft. deep by some 20 ft. high with a 10 ft. high central, clerestoried high-bay section that spans the building’s width. It is a steel framed building on a concrete slab with concrete wall construction. Its roofs are built-up over wood plank decking. Its windows were steel sash industrial until their recent replacement, when it likewise had a range of wood loading doors and a concrete loading dock appended at its front.

The 1950 shop building, 60 ft. wide by 62 ft. deep and some 27 ft. high, is a side-gabled steel-framed structure on a concrete slab with metal exterior cladding and roofing. Designed for interior truck repair, the front (south) wall was lined with 10 truck door bays. Its exterior was originally metal clad, its north wall a line of metal windows at mid-wall. As with each of these former maintenance-related buildings, all exterior cladding and openings have recently been altered. When first constructed, this structure connected to the then existing shop building via a shed addition, which addition has since been expanded.

The 1950 office building, 31 ft. deep by 81 ft. wide, has a flat roof sloping front to back (south to north), its high point approx. 11 ft. above grade sloping down to approx. 9.5 ft. at the rear, its roof eaves deeply overhanging all around. It is a wood frame structure over a shallow crawl space. An entry bay is recessed into the front wall. The original building was clad in asbestos shingles.

As is the case with each of the three original buildings, original exterior wall cladding has also recently given way to a panelized synthetic/vinyl panel exterior and all doors and windows have also been recently replaced, apparently with synthetic/vinyl units.

The parking shed standing at the south property line was, based on the 1950 plans, an existing vehicle shed that at that time stood along the north property line and which was evidently relocated

to its present location in 1950. It is an elongated, open, steel-framed shed structure, 25 ft. deep by some 260 ft. in length, with a metal roof with a moderate slope front (north) to back (south).

The former office building that stood to the east of the c1947 shop building was removed sometime after 1981 and before the 2014 school adaptation. At that end of the site, a pair of single-story modular buildings were added by the school.

Historic Context

While the origins and 20th century setting of the subject resources were industrial, the 20th century transportation context of the subject property is the more salient.

Developed as a highway maintenance facility by and for the State of California, the property was closely associated with the commercial and private vehicular transportation system that, in the course of the early to mid 20th century, overwhelmed and largely replaced rail transport. Such a context is remarkably evident on the subject property, which was squeezed between two railway systems at mid-century, each of whose local depots stood on the west side of Fruitvale Avenue just a block to the east. As part of the mid-20th century freeway development, this swath of Oakland was transformed from that of railways and railyards to a freeway corridor with largely industrial frontages. That transformative transportation context is, today, strongly present through East Oakland.

Evaluation

There is no evidence that the subject property and its building have been previously surveyed or evaluated for historic resource potential. In order to make an historic resource determination relative to future planning, this effort proceeds by evaluating the subject facility based on the criteria for eligibility to the California Register of Historical Resources (CR), as follows.

To be eligible for listing on the CR, a resource must be historically significant at the local, state, or national level, under one or more of the following four criteria:

1. *It is associated with events that have made a significant contribution to the broad patterns of local or regional history, or the cultural heritage of California or the United States.*
2. *It is associated with the lives of persons important to local, California, or national history.*
3. *It embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of a master, or possesses high artistic values.*
4. *It has yielded, or has the potential to yield, information important to the prehistory or history of the local area, California, or the nation.*

The following summarily addresses each of the four CR criteria:

1. *Associated Events:* In its transportation context, the subject property was associated with transformative events and that were and are writ large locally as well as state and nationwide. However, this property with its maintenance uses and buildings were a minor and unimportant facility relative to such events. Given its context, there are no identifiable events of historic importance associated with this commercial building or its property, so the subject resource does not meet CR criterion 1.

2. *Associated Persons:* The subject property was institutional without direct associations to any individuals, so the subject resource does not meet CR criterion 2.

3. *Design/Construction:* The original, highway-related property and buildings were developed in the mid-20th century. Nonetheless, they are utilitarian resources with no identifiable design or construction distinction relative to their mid-century period of development.

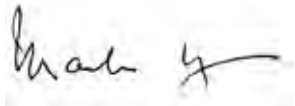
   While there is no current evidence for the origins of the c1947 shop building, it is presumed to have been designed by the State of California Division of Architecture, as were the 1950 buildings and site. Concerning the latter, while individual State architects, etc. are generally identifiable, again, the institutional work is not directly associated with individuals. And at this juncture, there are no identified builders. Nor is there any evidence of artistry.

   As the subject building does not embody design or construction distinction, as it is not the creation of any identified designers or builders, and as there are no artistic values, the subject building does not meet CR criterion 3.

4. The subject building does not appear to have any further historical information potential. Thus, relative to historical resources, the facility does not meet CR criterion 4.

In conclusion, historically, the subject property housed a State highway maintenance property and four buildings originally dating from c1947-1951 and which operated until c2010. Originally and in its period of operation, it was a highly utilitarian use and facility. Additionally, its associations were institutional rather than individual. Thus, the property and building located at 1045 Derby Ave. in Oakland does not meet any CR criteria so is not eligible for listing on the California Register of Historical Resources.

Signed:



Mark Hulbert
Historical Architect and Historic Resources Consultant

attached: figs.1-17 (pp.5-12)

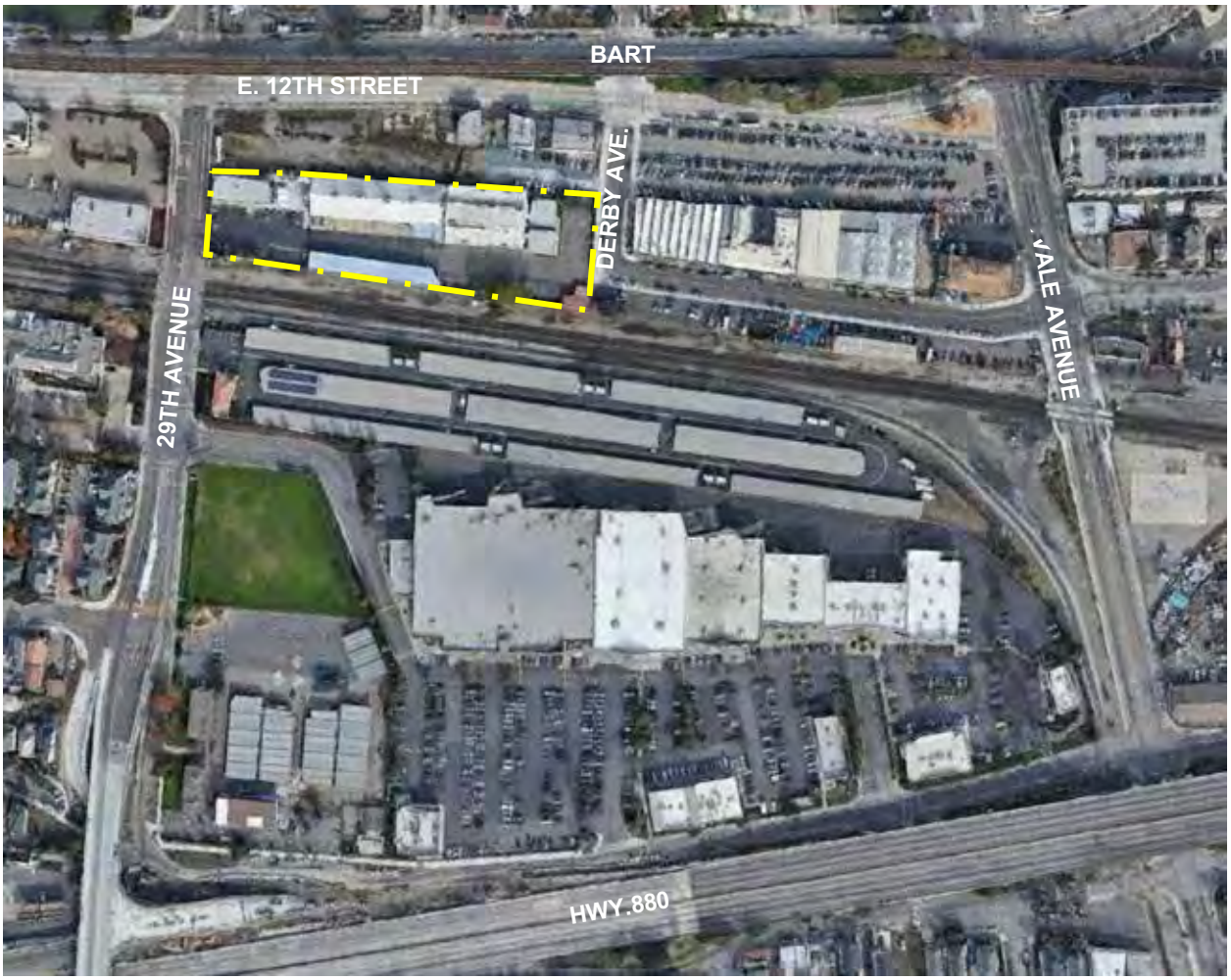


Fig.1 – 1045 Derby Ave. (boundaries approx.) - Location aerial (google earth 2020, north is up)

Fig.2 – 1045 Derby Ave. (boundaries approx.) - Site aerial (google earth c2015, north is up)

Fig.3 – 1045 Derby Ave. - Site birds' eye, looking north (google earth 2020)

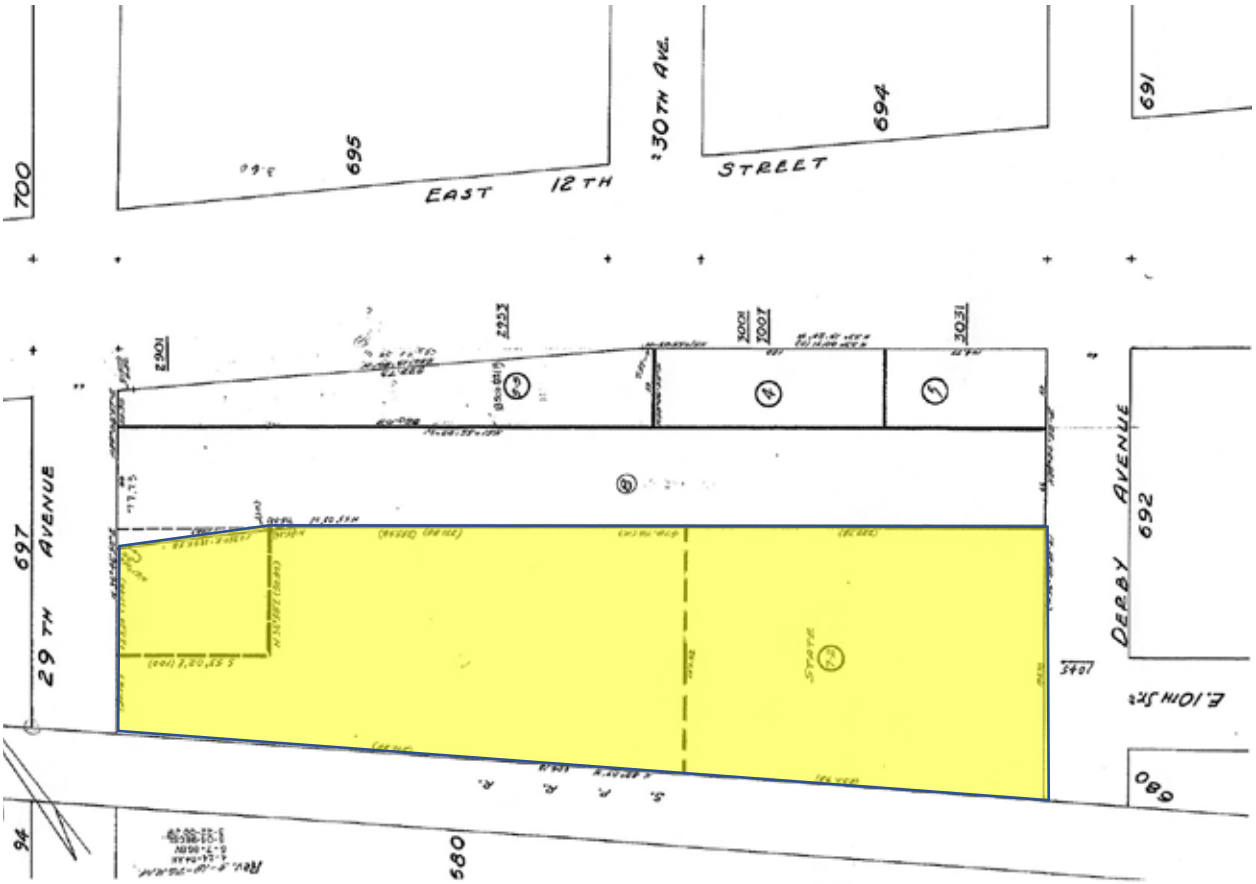


Fig.4 – 1045 Derby Ave. (highlighted) – Assessor's parcel map (north is up)

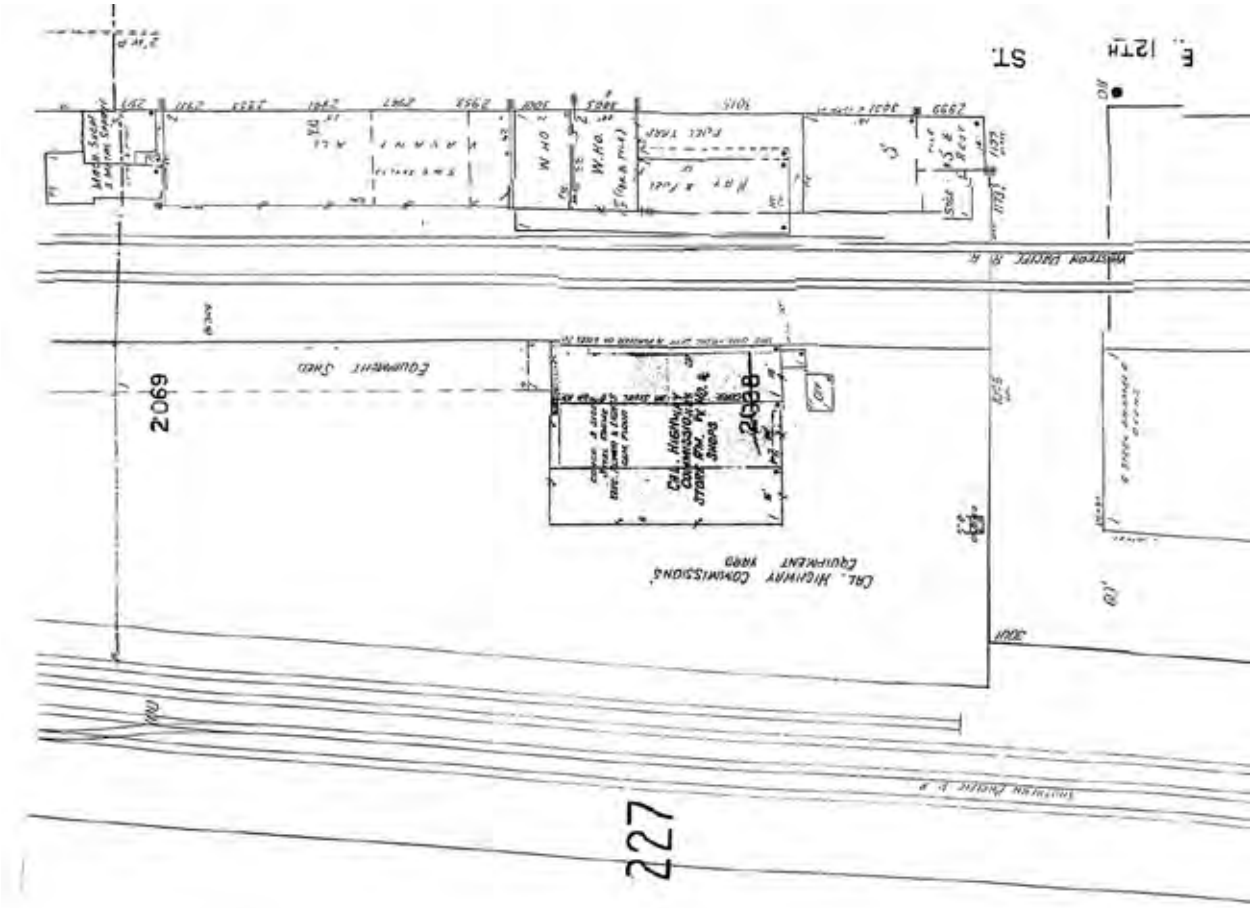


Fig.5 – 1045 Derby Ave. – Sanborn map, 1950 (showing c1947 shop building, north is up)

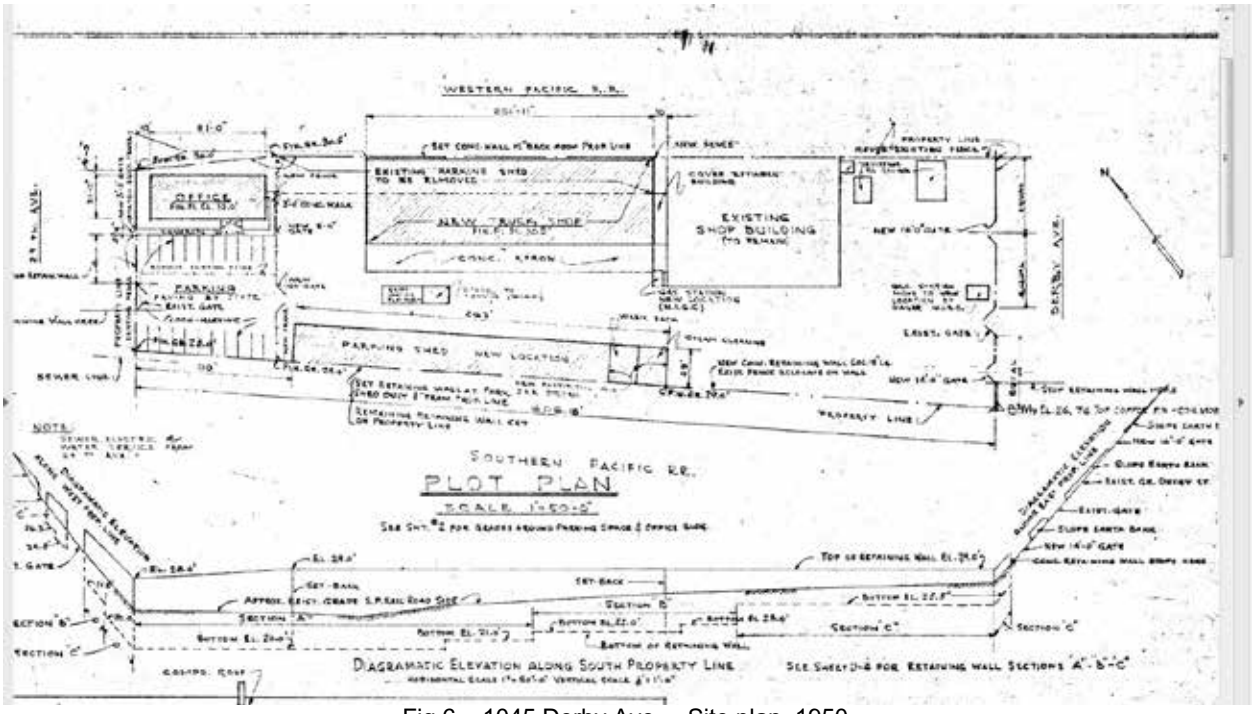


Fig.6 – 1045 Derby Ave. – Site plan, 1950

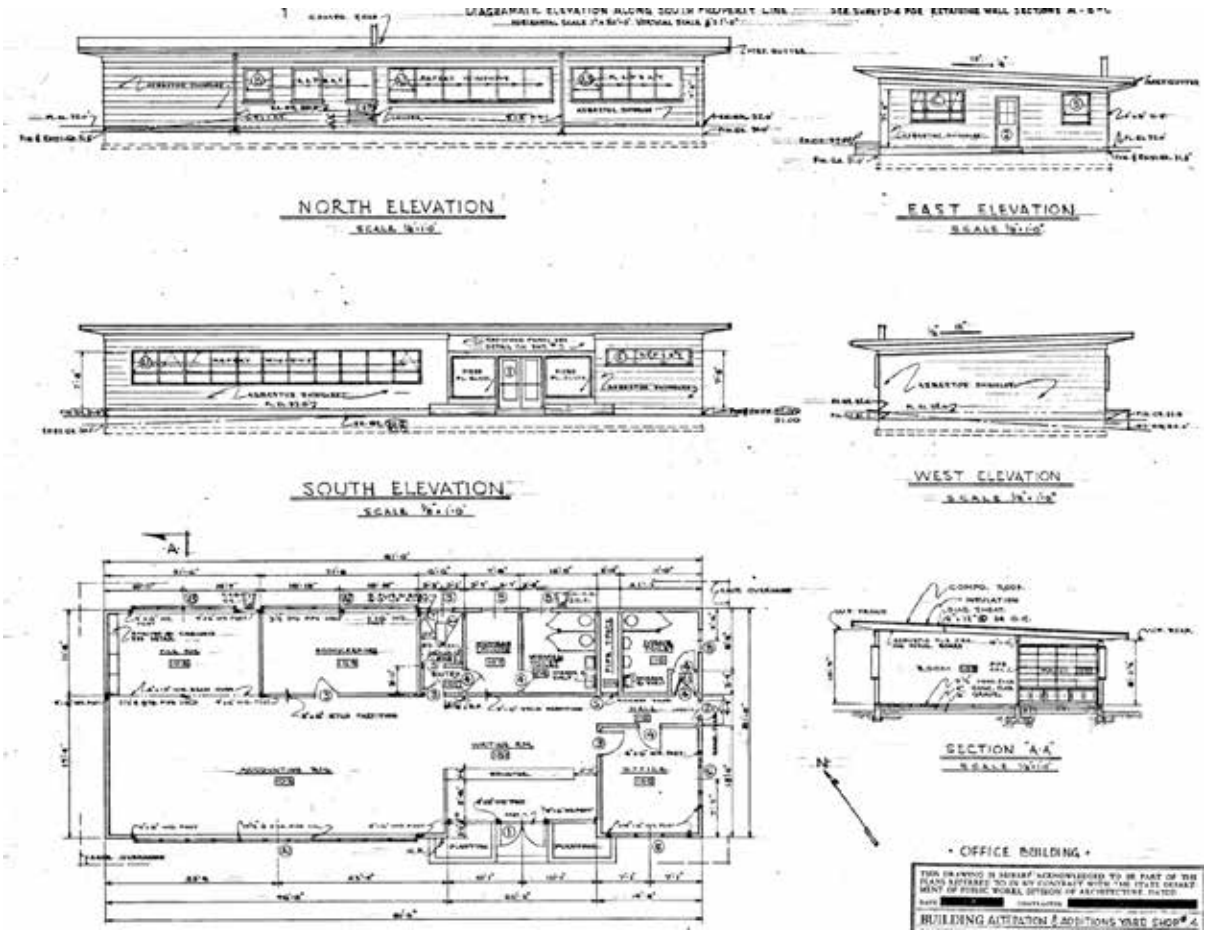


Fig.7 – 1045 Derby Ave. – Office building, 1950

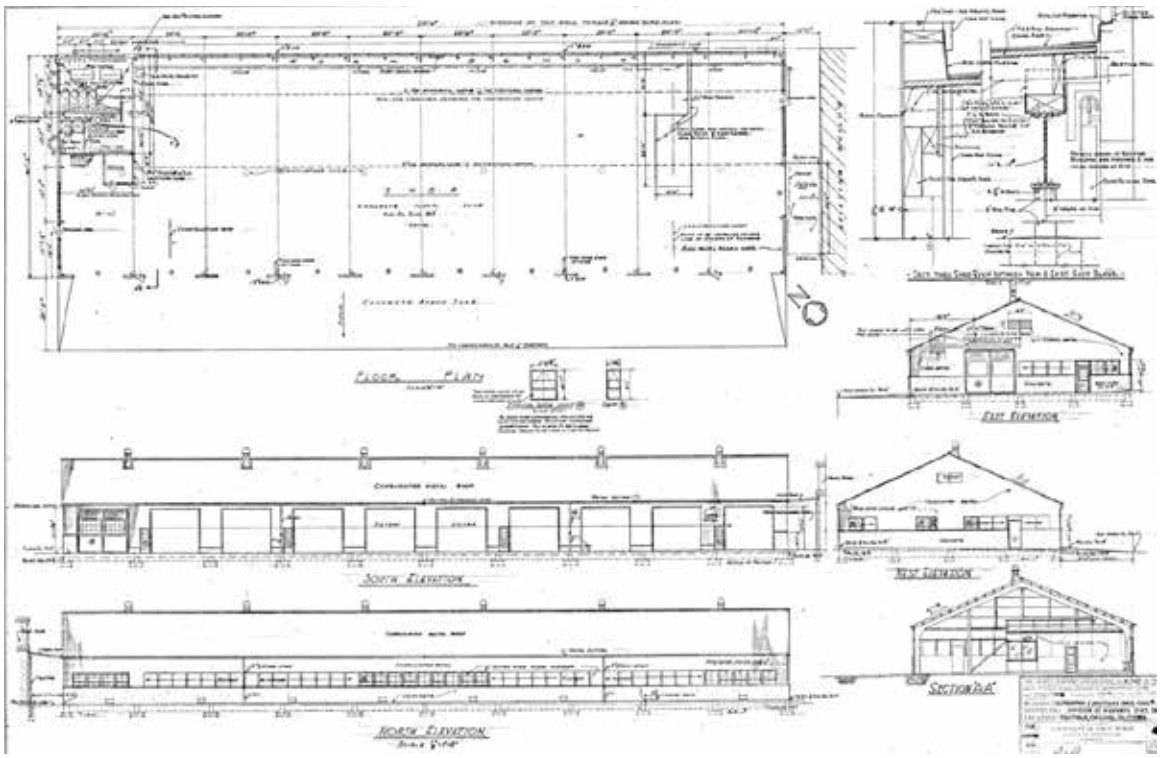


Fig.8 – 1045 Derby Ave. – Shop building, 1950

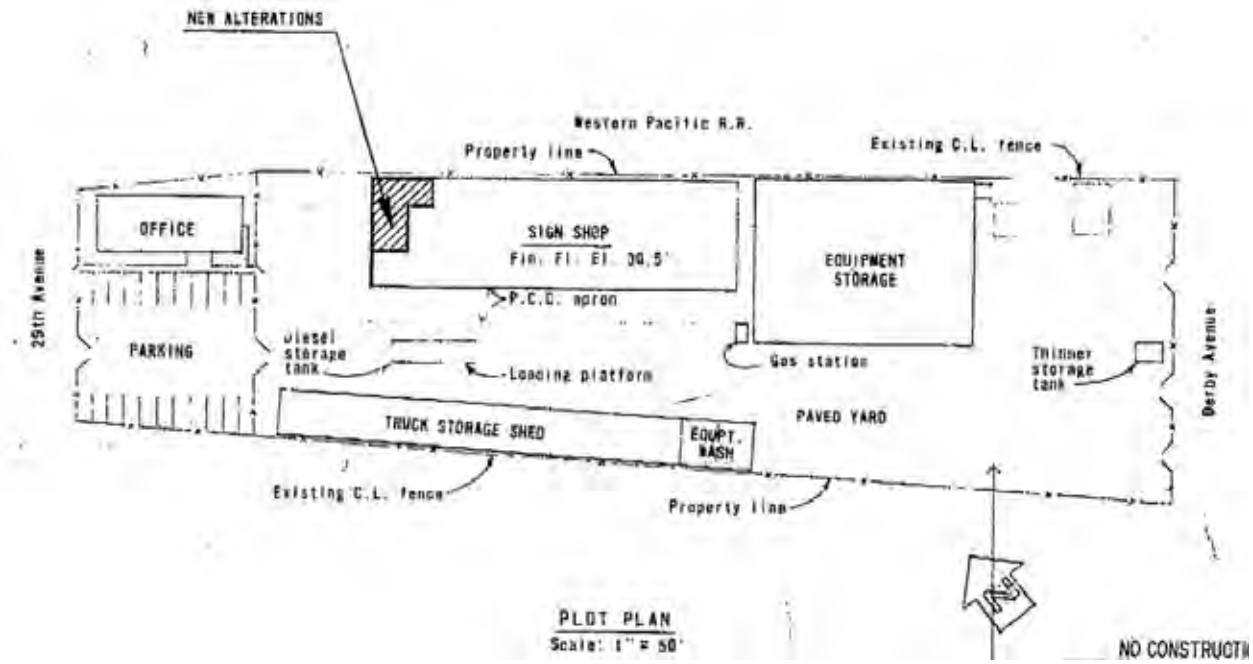


Fig.9 – 1045 Derby Ave. – Site plan, 1980

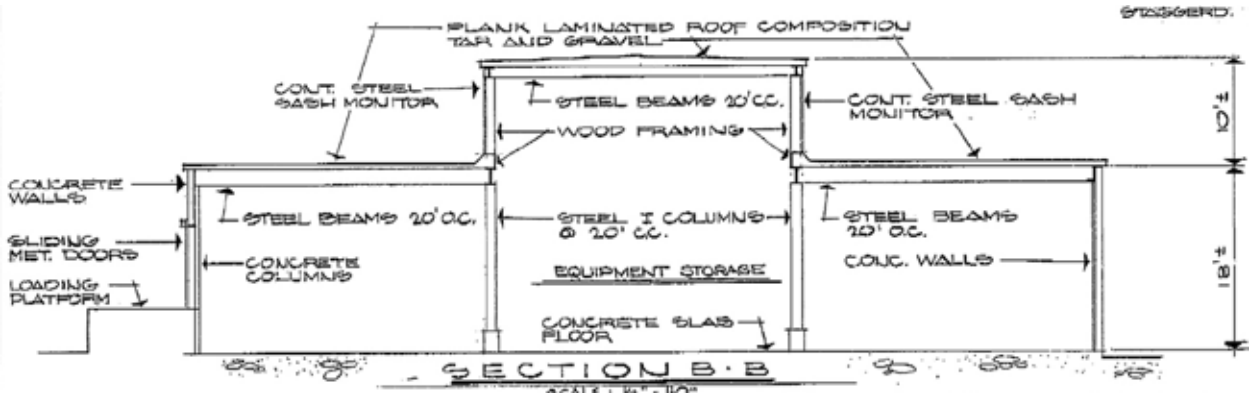


Fig.10 – 1045 Derby Ave. – 1950 shop building section, 1980

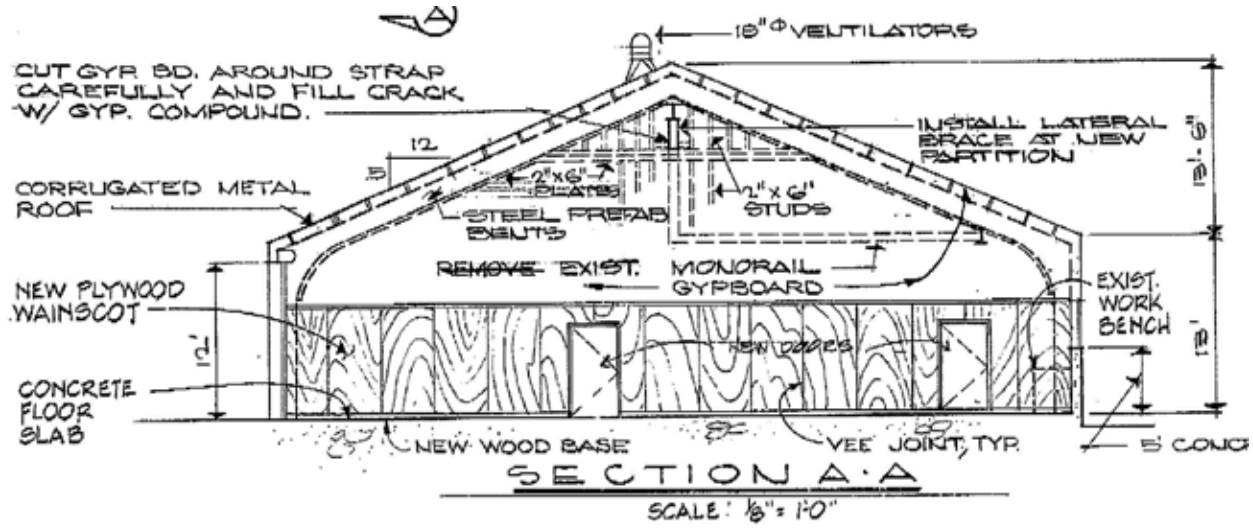


Fig.11 – 1045 Derby Ave. – c1947 shop building section, 1980

Fig.12 – 1045 Derby Ave. – 1950 shop building, looking east (MH 2020)

Fig.13 – 1045 Derby Ave. – Office building, looking east (MH 2020)

Fig.14 – 1045 Derby Ave. – North sides, shop buildings, looking west (MH 2020)

Fig.15 – 1045 Derby Ave. – south and east sides, c1947 shop building, looking northwest (MH 2020)

Fig.16 – 1045 Derby Ave. – Site, south side c1947 shop building anbd parking shed, looking west (MH 2020)

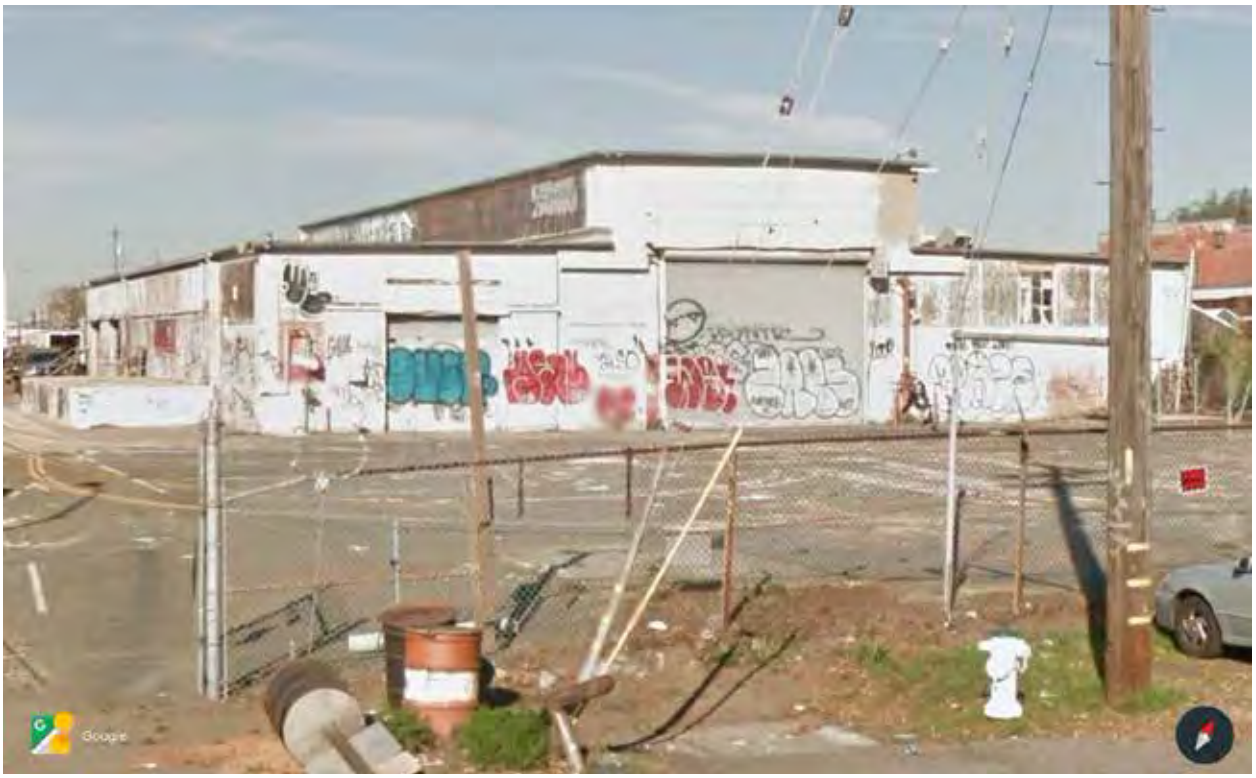


Fig.17 – 1045 Derby Ave. – c1947 shop building, looking west (google streetview, c2014)

Appendix D

Lamphier-Gregory

Consultation Request Letters to Representatives of Native American Tribes, March 11, 2021

URBAN PLANNING
ENVIRONMENTAL ANALYSIS

March 8, 2021

Silvia Burley
California Valley Miwok Tribe
4620 Shippee Lane,
Stockton, CA 95212

Re: Tribal Cultural Resources under the California Environmental Quality Act, AB 52 (Gatto, 2014). Formal Notification of determination that a Project Application is Complete or Decision to Undertake a Project, and Notification of Consultation Opportunity

Dear Ms. Burley,

The City of Oakland has determined that a project application is complete for the EFC Derby Charter School project, and Lamphier-Gregory has been retained on behalf of the City of Oakland to conduct environmental review for this proposed project. Below, please find a brief description of the proposed project, a map showing the project location, and the name of the City of Oakland point of contact, pursuant to PRC § 21080.3.1 (d).

Project Description: The Project site is located in the Fruitvale neighborhood of East Oakland, occupying two parcels at addresses of 1045 Derby Avenue and 0 29th Avenue. A map of the proposed project site is attached. There are six existing buildings located on the Derby Avenue parcel, three of which were originally constructed between 1951 and 1981 and used by Caltrans for storage, maintenance and administrative functions. The other three buildings were added to this site in 2014. The project applicant, Education for Change Public Schools (EFC) intends to acquire the Derby parcel once Caltrans declares it as "surplus" and completes their disposition process. The 0 29th Avenue parcel has been acquired by EFC, and is currently vacant. EFC plans to use the existing buildings present on the Derby parcel for classrooms, administrative and support offices, and storage. The northern 0 29th Avenue parcel will primarily be used for recreational areas (e.g., play fields). In the future, EFC plans to construct a new multi-purpose building on the northeastern end of the 29th Avenue site.

Lead Agency Contact: The lead agency contact for this project is:

Heather Klein, Planner IV,
Zoning Area Supervisor
City of Oakland
Email: HKlein@oaklandca.gov
Phone: 510-238-3659

The City would appreciate receiving any comments, concerns, or information you wish to share regarding cultural resources or sacred sites within the immediate project area. If you could provide your response in writing at your earliest convenience, we will make sure the relevant information is considered in preparing our report. Pursuant to PRC § 21080.3.1 (b), you have 30 days from the receipt of this letter to request consultation, in writing, with the City of Oakland.

Should you have any questions, I can be reached at sgregory@lamphier-gregory.com or by phone at (510) 535-6690.

Thank you for your assistance
Sincerely,

Scott Gregory
Scott Gregory, on behalf of:

Heather Klein, Planner IV, Zoning Area Supervisor
City of Oakland

Attachments: Project Site

URBAN PLANNING
ENVIRONMENTAL ANALYSIS

March 8, 2021

Irenne Zwierlein, Chairperson
Amah Mutsun Tribal Band of Mission San Juan Bautista
789 Canada Road
Woodside, CA 94062

Re: Tribal Cultural Resources under the California Environmental Quality Act, AB 52 (Gatto, 2014). Formal Notification of determination that a Project Application is Complete or Decision to Undertake a Project, and Notification of Consultation Opportunity

Dear Chairperson Zwierlein,

The City of Oakland has determined that a project application is complete for the EFC Derby Charter School project, and Lamphier-Gregory has been retained on behalf of the City of Oakland to conduct environmental review for this proposed project. Below, please find a brief description of the proposed project, a map showing the project location, and the name of the City of Oakland point of contact, pursuant to PRC § 21080.3.1 (d).

Project Description: The Project site is located in the Fruitvale neighborhood of East Oakland, occupying two parcels at addresses of 1045 Derby Avenue and 0 29th Avenue. A map of the proposed project site is attached. There are six existing buildings located on the Derby Avenue parcel, three of which were originally constructed between 1951 and 1981 and used by Caltrans for storage, maintenance and administrative functions. The other three buildings were added to this site in 2014. The project applicant, Education for Change Public Schools (EFC) intends to acquire the Derby parcel once Caltrans declares it as "surplus" and completes their disposition process. The 0 29th Avenue parcel has been acquired by EFC, and is currently vacant. EFC plans to use the existing buildings present on the Derby parcel for classrooms, administrative and support offices, and storage. The northern 0 29th Avenue parcel will primarily be used for recreational areas (e.g., play fields). In the future, EFC plans to construct a new multi-purpose building on the northeastern end of the 29th Avenue site.

Lead Agency Contact: The lead agency contact for this project is:

Heather Klein, Planner IV,
Zoning Area Supervisor
City of Oakland
Email: HKlein@oaklandca.gov
Phone: 510-238-3659

The City would appreciate receiving any comments, concerns, or information you wish to share regarding cultural resources or sacred sites within the immediate project area. If you could provide your response in writing at your earliest convenience, we will make sure the relevant information is considered in preparing our report. Pursuant to PRC § 21080.3.1 (b), you have 30 days from the receipt of this letter to request consultation, in writing, with the City of Oakland.

Should you have any questions, I can be reached at sgregory@lamphier-gregory.com or by phone at (510) 535-6690.

Thank you for your assistance
Sincerely,

Scott Gregory
Scott Gregory, on behalf of:

Heather Klein, Planner IV, Zoning Area Supervisor
City of Oakland

Attachments: Project Site

March 8, 2021

Tony Cerda, Chairperson
Costanoan Rumsen Carmel Tribe
244 E. 1st Street
Pomona, Ca 91766

Re: Tribal Cultural Resources under the California Environmental Quality Act, AB 52 (Gatto, 2014). Formal Notification of determination that a Project Application is Complete or Decision to Undertake a Project, and Notification of Consultation Opportunity

Dear Chairperson Cerda,

The City of Oakland has determined that a project application is complete for the EFC Derby Charter School project, and Lamphier-Gregory has been retained on behalf of the City of Oakland to conduct environmental review for this proposed project. Below, please find a brief description of the proposed project, a map showing the project location, and the name of the City of Oakland point of contact, pursuant to PRC § 21080.3.1 (d).

Project Description: The Project site is located in the Fruitvale neighborhood of East Oakland, occupying two parcels at addresses of 1045 Derby Avenue and 0 29th Avenue. A map of the proposed project site is attached. There are six existing buildings located on the Derby Avenue parcel, three of which were originally constructed between 1951 and 1981 and used by Caltrans for storage, maintenance and administrative functions. The other three buildings were added to this site in 2014. The project applicant, Education for Change Public Schools (EFC) intends to acquire the Derby parcel once Caltrans declares it as "surplus" and completes their disposition process. The 0 29th Avenue parcel has been acquired by EFC, and is currently vacant. EFC plans to use the existing buildings present on the Derby parcel for classrooms, administrative and support offices, and storage. The northern 0 29th Avenue parcel will primarily be used for recreational areas (e.g., play fields). In the future, EFC plans to construct a new multi-purpose building on the northeastern end of the 29th Avenue site.

Lead Agency Contact: The lead agency contact for this project is:

Heather Klein, Planner IV, Zoning Area Supervisor
City of Oakland
Email: HKlein@oaklandca.gov
Phone: 510-238-3659

The City would appreciate receiving any comments, concerns, or information you wish to share regarding cultural resources or sacred sites within the immediate project area. If you could provide your response in writing at your earliest convenience, we will make sure the relevant information is considered in preparing our report. Pursuant to PRC § 21080.3.1 (b), you have 30 days from the receipt of this letter to request consultation, in writing, with the City of Oakland.

Should you have any questions, I can be reached at sgregory@lamphier-gregory.com or by phone at (510) 535-6690.

Thank you for your assistance
Sincerely,

Scott Gregory
Scott Gregory, on behalf of:

Heather Klein, Planner IV, Zoning Area Supervisor
City of Oakland

Attachments: Project Site

March 8, 2021

Donald Duncan, Chairperson
Guidiville Indian Rancheria
P.O. Box 339
Talmage, CA 95481

Re: Tribal Cultural Resources under the California Environmental Quality Act, AB 52 (Gatto, 2014). Formal Notification of determination that a Project Application is Complete or Decision to Undertake a Project, and Notification of Consultation Opportunity

Dear Chairperson Duncan,

The City of Oakland has determined that a project application is complete for the EFC Derby Charter School project, and Lamphier-Gregory has been retained on behalf of the City of Oakland to conduct environmental review for this proposed project. Below, please find a brief description of the proposed project, a map showing the project location, and the name of the City of Oakland point of contact, pursuant to PRC § 21080.3.1 (d).

Project Description: The Project site is located in the Fruitvale neighborhood of East Oakland, occupying two parcels at addresses of 1045 Derby Avenue and 0 29th Avenue. A map of the proposed project site is attached. There are six existing buildings located on the Derby Avenue parcel, three of which were originally constructed between 1951 and 1981 and used by Caltrans for storage, maintenance and administrative functions. The other three buildings were added to this site in 2014. The project applicant, Education for Change Public Schools (EFC) intends to acquire the Derby parcel once Caltrans declares it as "surplus" and completes their disposition process. The 0 29th Avenue parcel has been acquired by EFC, and is currently vacant. EFC plans to use the existing buildings present on the Derby parcel for classrooms, administrative and support offices, and storage. The northern 0 29th Avenue parcel will primarily be used for recreational areas (e.g., play fields). In the future, EFC plans to construct a new multi-purpose building on the northeastern end of the 29th Avenue site.

Lead Agency Contact: The lead agency contact for this project is:

Heather Klein, Planner IV, Zoning Area Supervisor
City of Oakland
Email: HKlein@oaklandca.gov
Phone: 510-238-3659

The City would appreciate receiving any comments, concerns, or information you wish to share regarding cultural resources or sacred sites within the immediate project area. If you could provide your response in writing at your earliest convenience, we will make sure the relevant information is considered in preparing our report. Pursuant to PRC § 21080.3.1 (b), you have 30 days from the receipt of this letter to request consultation, in writing, with the City of Oakland.

Should you have any questions, I can be reached at sgregory@lamphier-gregory.com or by phone at (510) 535-6690.

Thank you for your assistance
Sincerely,

Scott Gregory
Scott Gregory, on behalf of:

Heather Klein, Planner IV, Zoning Area Supervisor
City of Oakland

Attachments: Project Site

March 8, 2021

Ann Marie Sayers, Chairperson
Indian Canyon Mutsun Band of Costanoan
P.O. Box 28
Hollister, CA 95024

Re: Tribal Cultural Resources under the California Environmental Quality Act, AB 52 (Gatto, 2014). Formal Notification of determination that a Project Application is Complete or Decision to Undertake a Project, and Notification of Consultation Opportunity

Dear Chairperson Sayers,

The City of Oakland has determined that a project application is complete for the EFC Derby Charter School project, and Lamphier-Gregory has been retained on behalf of the City of Oakland to conduct environmental review for this proposed project. Below, please find a brief description of the proposed project, a map showing the project location, and the name of the City of Oakland point of contact, pursuant to PRC § 21080.3.1 (d).

Project Description: The Project site is located in the Fruitvale neighborhood of East Oakland, occupying two parcels at addresses of 1045 Derby Avenue and 0 29th Avenue. A map of the proposed project site is attached. There are six existing buildings located on the Derby Avenue parcel, three of which were originally constructed between 1951 and 1981 and used by Caltrans for storage, maintenance and administrative functions. The other three buildings were added to this site in 2014. The project applicant, Education for Change Public Schools (EFC) intends to acquire the Derby parcel once Caltrans declares it as "surplus" and completes their disposition process. The 0 29th Avenue parcel has been acquired by EFC, and is currently vacant. EFC plans to use the existing buildings present on the Derby parcel for classrooms, administrative and support offices, and storage. The northern 0 29th Avenue parcel will primarily be used for recreational areas (e.g., play fields). In the future, EFC plans to construct a new multi-purpose building on the northeastern end of the 29th Avenue site.

Lead Agency Contact: The lead agency contact for this project is:

Heather Klein, Planner IV, Zoning Area Supervisor
City of Oakland
Email: HKlein@oaklandca.gov
Phone: 510-238-3659

The City would appreciate receiving any comments, concerns, or information you wish to share regarding cultural resources or sacred sites within the immediate project area. If you could provide your response in writing at your earliest convenience, we will make sure the relevant information is considered in preparing our report. Pursuant to PRC § 21080.3.1 (b), you have 30 days from the receipt of this letter to request consultation, in writing, with the City of Oakland.

Should you have any questions, I can be reached at sgregory@lamphier-gregory.com or by phone at (510) 535-6690.

Thank you for your assistance
Sincerely,

Scott Gregory
Scott Gregory, on behalf of:

Heather Klein, Planner IV, Zoning Area Supervisor
City of Oakland

Attachments: Project Site

URBAN PLANNING
ENVIRONMENTAL ANALYSIS

March 8, 2021

Kanyon Sayers-Roods, MLD Contact
Indian Canyon Mutsun Band of Costanoan
1615 Pearson Court
San Jose, CA 95122

Re: Tribal Cultural Resources under the California Environmental Quality Act, AB 52 (Gatto, 2014). Formal Notification of determination that a Project Application is Complete or Decision to Undertake a Project, and Notification of Consultation Opportunity

Dear Kanyon Sayers-Roods,

The City of Oakland has determined that a project application is complete for the EFC Derby Charter School project, and Lamphier-Gregory has been retained on behalf of the City of Oakland to conduct environmental review for this proposed project. Below, please find a brief description of the proposed project, a map showing the project location, and the name of the City of Oakland point of contact, pursuant to PRC § 21080.3.1 (d).

Project Description: The Project site is located in the Fruitvale neighborhood of East Oakland, occupying two parcels at addresses of 1045 Derby Avenue and 0 29th Avenue. A map of the proposed project site is attached. There are six existing buildings located on the Derby Avenue parcel, three of which were originally constructed between 1951 and 1981 and used by Caltrans for storage, maintenance and administrative functions. The other three buildings were added to this site in 2014. The project applicant, Education for Change Public Schools (EFC) intends to acquire the Derby parcel once Caltrans declares it as "surplus" and completes their disposition process. The 0 29th Avenue parcel has been acquired by EFC, and is currently vacant. EFC plans to use the existing buildings present on the Derby parcel for classrooms, administrative and support offices, and storage. The northern 0 29th Avenue parcel will primarily be used for recreational areas (e.g., play fields). In the future, EFC plans to construct a new multi-purpose building on the northeastern end of the 29th Avenue site.

Lead Agency Contact: The lead agency contact for this project is:

Heather Klein, Planner IV, Zoning Area Supervisor
City of Oakland
Email: HKlein@oaklandca.gov
Phone: 510-238-3659

The City would appreciate receiving any comments, concerns, or information you wish to share regarding cultural resources or sacred sites within the immediate project area. If you could provide your response in writing at your earliest convenience, we will make sure the relevant information is considered in preparing our report. Pursuant to PRC § 21080.3.1 (b), you have 30 days from the receipt of this letter to request consultation, in writing, with the City of Oakland.

Should you have any questions, I can be reached at sgregory@lamphier-gregory.com or by phone at (510) 535-6690.

Thank you for your assistance
Sincerely,

Scott Gregory
Scott Gregory, on behalf of:

Heather Klein, Planner IV, Zoning Area Supervisor
City of Oakland

Attachments: Project Site

URBAN PLANNING
ENVIRONMENTAL ANALYSIS

March 8, 2021

Monica Arellano, Vice Chairwoman
Muwekma Ohlone Indian Tribe of the SF Bay Area
20885 Redwood Road, Suite 232
Castro Valley, CA 94546

Re: Tribal Cultural Resources under the California Environmental Quality Act, AB 52 (Gatto, 2014). Formal Notification of determination that a Project Application is Complete or Decision to Undertake a Project, and Notification of Consultation Opportunity

Dear Vice Chairwoman Arellano,

The City of Oakland has determined that a project application is complete for the EFC Derby Charter School project, and Lamphier-Gregory has been retained on behalf of the City of Oakland to conduct environmental review for this proposed project. Below, please find a brief description of the proposed project, a map showing the project location, and the name of the City of Oakland point of contact, pursuant to PRC § 21080.3.1 (d).

Project Description: The Project site is located in the Fruitvale neighborhood of East Oakland, occupying two parcels at addresses of 1045 Derby Avenue and 0 29th Avenue. A map of the proposed project site is attached. There are six existing buildings located on the Derby Avenue parcel, three of which were originally constructed between 1951 and 1981 and used by Caltrans for storage, maintenance and administrative functions. The other three buildings were added to this site in 2014. The project applicant, Education for Change Public Schools (EFC) intends to acquire the Derby parcel once Caltrans declares it as "surplus" and completes their disposition process. The 0 29th Avenue parcel has been acquired by EFC, and is currently vacant. EFC plans to use the existing buildings present on the Derby parcel for classrooms, administrative and support offices, and storage. The northern 0 29th Avenue parcel will primarily be used for recreational areas (e.g., play fields). In the future, EFC plans to construct a new multi-purpose building on the northeastern end of the 29th Avenue site.

Lead Agency Contact: The lead agency contact for this project is:

Heather Klein, Planner IV, Zoning Area Supervisor
City of Oakland
Email: HKlein@oaklandca.gov
Phone: 510-238-3659

The City would appreciate receiving any comments, concerns, or information you wish to share regarding cultural resources or sacred sites within the immediate project area. If you could provide your response in writing at your earliest convenience, we will make sure the relevant information is considered in preparing our report. Pursuant to PRC § 21080.3.1 (b), you have 30 days from the receipt of this letter to request consultation, in writing, with the City of Oakland.

Should you have any questions, I can be reached at sgregory@lamphier-gregory.com or by phone at (510) 535-6690.

Thank you for your assistance
Sincerely,

Scott Gregory
Scott Gregory, on behalf of:

Heather Klein, Planner IV, Zoning Area Supervisor
City of Oakland

Attachments: Project Site

URBAN PLANNING
ENVIRONMENTAL ANALYSIS

March 8, 2021

Timothy Perez, MLD Contact
North Valley Yokuts Tribe
P.O. Box 717
Linden, CA 95236

Re: Tribal Cultural Resources under the California Environmental Quality Act, AB 52 (Gatto, 2014). Formal Notification of determination that a Project Application is Complete or Decision to Undertake a Project, and Notification of Consultation Opportunity

Dear Mr. Perez,

The City of Oakland has determined that a project application is complete for the EFC Derby Charter School project, and Lamphier-Gregory has been retained on behalf of the City of Oakland to conduct environmental review for this proposed project. Below, please find a brief description of the proposed project, a map showing the project location, and the name of the City of Oakland point of contact, pursuant to PRC § 21080.3.1 (d).

Project Description: The Project site is located in the Fruitvale neighborhood of East Oakland, occupying two parcels at addresses of 1045 Derby Avenue and 0 29th Avenue. A map of the proposed project site is attached. There are six existing buildings located on the Derby Avenue parcel, three of which were originally constructed between 1951 and 1981 and used by Caltrans for storage, maintenance and administrative functions. The other three buildings were added to this site in 2014. The project applicant, Education for Change Public Schools (EFC) intends to acquire the Derby parcel once Caltrans declares it as "surplus" and completes their disposition process. The 0 29th Avenue parcel has been acquired by EFC, and is currently vacant. EFC plans to use the existing buildings present on the Derby parcel for classrooms, administrative and support offices, and storage. The northern 0 29th Avenue parcel will primarily be used for recreational areas (e.g., play fields). In the future, EFC plans to construct a new multi-purpose building on the northeastern end of the 29th Avenue site.

Lead Agency Contact: The lead agency contact for this project is:

Heather Klein, Planner IV, Zoning Area Supervisor
City of Oakland
Email: HKlein@oaklandca.gov
Phone: 510-238-3659

The City would appreciate receiving any comments, concerns, or information you wish to share regarding cultural resources or sacred sites within the immediate project area. If you could provide your response in writing at your earliest convenience, we will make sure the relevant information is considered in preparing our report. Pursuant to PRC § 21080.3.1 (b), you have 30 days from the receipt of this letter to request consultation, in writing, with the City of Oakland.

Should you have any questions, I can be reached at sgregory@lamphier-gregory.com or by phone at (510) 535-6690.

Thank you for your assistance
Sincerely,

Scott Gregory
Scott Gregory, on behalf of:

Heather Klein, Planner IV, Zoning Area Supervisor
City of Oakland

Attachments: Project Site

URBAN PLANNING
ENVIRONMENTAL ANALYSIS

March 8, 2021

Katherine Erolinda Perez, Chairperson
North Valley Yokuts Tribe
P.O. Box 717
Linden, CA 95236

Re: Tribal Cultural Resources under the California Environmental Quality Act, AB 52 (Gatto, 2014). Formal Notification of determination that a Project Application is Complete or Decision to Undertake a Project, and Notification of Consultation Opportunity

Dear Chairperson Perez,

The City of Oakland has determined that a project application is complete for the EFC Derby Charter School project, and Lamphier-Gregory has been retained on behalf of the City of Oakland to conduct environmental review for this proposed project. Below, please find a brief description of the proposed project, a map showing the project location, and the name of the City of Oakland point of contact, pursuant to PRC § 21080.3.1 (d).

Project Description: The Project site is located in the Fruitvale neighborhood of East Oakland, occupying two parcels at addresses of 1045 Derby Avenue and 0 29th Avenue. A map of the proposed project site is attached. There are six existing buildings located on the Derby Avenue parcel, three of which were originally constructed between 1951 and 1981 and used by Caltrans for storage, maintenance and administrative functions. The other three buildings were added to this site in 2014. The project applicant, Education for Change Public Schools (EFC) intends to acquire the Derby parcel once Caltrans declares it as "surplus" and completes their disposition process. The 0 29th Avenue parcel has been acquired by EFC, and is currently vacant. EFC plans to use the existing buildings present on the Derby parcel for classrooms, administrative and support offices, and storage. The northern 0 29th Avenue parcel will primarily be used for recreational areas (e.g., play fields). In the future, EFC plans to construct a new multi-purpose building on the northeastern end of the 29th Avenue site.

Lead Agency Contact: The lead agency contact for this project is:

Heather Klein, Planner IV, Zoning Area Supervisor
City of Oakland
Email: HKlein@oaklandca.gov
Phone: 510-238-3659

The City would appreciate receiving any comments, concerns, or information you wish to share regarding cultural resources or sacred sites within the immediate project area. If you could provide your response in writing at your earliest convenience, we will make sure the relevant information is considered in preparing our report. Pursuant to PRC § 21080.3.1 (b), you have 30 days from the receipt of this letter to request consultation, in writing, with the City of Oakland.

Should you have any questions, I can be reached at sgregory@lamphier-gregory.com or by phone at (510) 535-6690.

Thank you for your assistance
Sincerely,

Scott Gregory
Scott Gregory, on behalf of:

Heather Klein, Planner IV, Zoning Area Supervisor
City of Oakland

Attachments: Project Site

URBAN PLANNING
ENVIRONMENTAL ANALYSIS

March 8, 2021

Andrew Galvan
The Ohlone Indian Tribe
P.O. Box 3388
Fremont, CA 94539

Re: Tribal Cultural Resources under the California Environmental Quality Act, AB 52 (Gatto, 2014). Formal Notification of determination that a Project Application is Complete or Decision to Undertake a Project, and Notification of Consultation Opportunity

Dear Mr. Galvan,

The City of Oakland has determined that a project application is complete for the EFC Derby Charter School project, and Lamphier-Gregory has been retained on behalf of the City of Oakland to conduct environmental review for this proposed project. Below, please find a brief description of the proposed project, a map showing the project location, and the name of the City of Oakland point of contact, pursuant to PRC § 21080.3.1 (d).

Project Description: The Project site is located in the Fruitvale neighborhood of East Oakland, occupying two parcels at addresses of 1045 Derby Avenue and 0 29th Avenue. A map of the proposed project site is attached. There are six existing buildings located on the Derby Avenue parcel, three of which were originally constructed between 1951 and 1981 and used by Caltrans for storage, maintenance and administrative functions. The other three buildings were added to this site in 2014. The project applicant, Education for Change Public Schools (EFC) intends to acquire the Derby parcel once Caltrans declares it as "surplus" and completes their disposition process. The 0 29th Avenue parcel has been acquired by EFC, and is currently vacant. EFC plans to use the existing buildings present on the Derby parcel for classrooms, administrative and support offices, and storage. The northern 0 29th Avenue parcel will primarily be used for recreational areas (e.g., play fields). In the future, EFC plans to construct a new multi-purpose building on the northeastern end of the 29th Avenue site.

Lead Agency Contact: The lead agency contact for this project is:

Heather Klein, Planner IV, Zoning Area Supervisor
City of Oakland
Email: HKlein@oaklandca.gov
Phone: 510-238-3659

The City would appreciate receiving any comments, concerns, or information you wish to share regarding cultural resources or sacred sites within the immediate project area. If you could provide your response in writing at your earliest convenience, we will make sure the relevant information is considered in preparing our report. Pursuant to PRC § 21080.3.1 (b), you have 30 days from the receipt of this letter to request consultation, in writing, with the City of Oakland.

Should you have any questions, I can be reached at sgregory@lamphier-gregory.com or by phone at (510) 535-6690.

Thank you for your assistance
Sincerely,

Scott Gregory
Scott Gregory, on behalf of:

Heather Klein, Planner IV, Zoning Area Supervisor
City of Oakland

Attachments: Project Site

March 8, 2021

Corrina Gould, Chairperson
The Confederated Villages of Lisjan
10926 Edes Avenue
Oakland, CA 94603

Re: Tribal Cultural Resources under the California Environmental Quality Act, AB 52 (Gatto, 2014). Formal Notification of determination that a Project Application is Complete or Decision to Undertake a Project, and Notification of Consultation Opportunity

Dear Chairperson Gould,

The City of Oakland has determined that a project application is complete for the EFC Derby Charter School project, and Lamphier-Gregory has been retained on behalf of the City of Oakland to conduct environmental review for this proposed project. Below, please find a brief description of the proposed project, a map showing the project location, and the name of the City of Oakland point of contact, pursuant to PRC § 21080.3.1 (d).

Project Description: The Project site is located in the Fruitvale neighborhood of East Oakland, occupying two parcels at addresses of 1045 Derby Avenue and 0 29th Avenue. A map of the proposed project site is attached. There are six existing buildings located on the Derby Avenue parcel, three of which were originally constructed between 1951 and 1981 and used by Caltrans for storage, maintenance and administrative functions. The other three buildings were added to this site in 2014. The project applicant, Education for Change Public Schools (EFC) intends to acquire the Derby parcel once Caltrans declares it as "surplus" and completes their disposition process. The 0 29th Avenue parcel has been acquired by EFC, and is currently vacant. EFC plans to use the existing buildings present on the Derby parcel for classrooms, administrative and support offices, and storage. The northern 0 29th Avenue parcel will primarily be used for recreational areas (e.g., play fields). In the future, EFC plans to construct a new multi-purpose building on the northeastern end of the 29th Avenue site.

Lead Agency Contact: The lead agency contact for this project is:

Heather Klein, Planner IV, Zoning Area Supervisor
City of Oakland
Email: HKlein@oaklandca.gov
Phone: 510-238-3659

The City would appreciate receiving any comments, concerns, or information you wish to share regarding cultural resources or sacred sites within the immediate project area. If you could provide your response in writing at your earliest convenience, we will make sure the relevant information is considered in preparing our report. Pursuant to PRC § 21080.3.1 (b), you have 30 days from the receipt of this letter to request consultation, in writing, with the City of Oakland.

Should you have any questions, I can be reached at sgregory@lamphier-gregory.com or by phone at (510) 535-6690.

Thank you for your assistance
Sincerely,

Scott Gregory
Scott Gregory, on behalf of:

Heather Klein, Planner IV, Zoning Area Supervisor
City of Oakland

Attachments: Project Site

Appendix E

Education for Change Schools and ArtiK Art and Architecture
LEED Project Checklist, v4 for Schools, June 7, 2021

LEED v4 for BD+C: Schools

Project Checklist

Project Name: Latitude High School
Date: 05.07.21

Y	?	N			
		N	Credit	Integrative Process	1

13	0	0		Location and Transportation	15
		N	Credit	LEED for Neighborhood Development Location	15
1			Credit	Sensitive Land Protection	1
2			Credit	High Priority Site	2
3			Credit	Surrounding Density and Diverse Uses	5
4			Credit	Access to Quality Transit	4
1			Credit	Bicycle Facilities	1
1			Credit	Reduced Parking Footprint	1
1			Credit	Green Vehicles	1

3	0	0		Sustainable Sites	12
Y			Prereq	Construction Activity Pollution Prevention	Required
Y			Prereq	Environmental Site Assessment	Required
		N	Credit	Site Assessment	1
		N	Credit	Site Development - Protect or Restore Habitat	2
1			Credit	Open Space	1
		N	Credit	Rainwater Management	3
		N	Credit	Heat Island Reduction	2
1			Credit	Light Pollution Reduction	1
		N	Credit	Site Master Plan	1
1			Credit	Joint Use of Facilities	1

2	0	0		Water Efficiency	12
Y			Prereq	Outdoor Water Use Reduction	Required
Y			Prereq	Indoor Water Use Reduction	Required
Y			Prereq	Building-Level Water Metering	Required
2			Credit	Outdoor Water Use Reduction	2
		N	Credit	Indoor Water Use Reduction	7
		N	Credit	Cooling Tower Water Use	2
		N	Credit	Water Metering	1

14	0	0		Energy and Atmosphere	31
Y			Prereq	Fundamental Commissioning and Verification	Required
Y			Prereq	Minimum Energy Performance	Required
Y			Prereq	Building-Level Energy Metering	Required
Y			Prereq	Fundamental Refrigerant Management	Required
4			Credit	Enhanced Commissioning	6
8			Credit	Optimize Energy Performance	16
			Credit	Advanced Energy Metering	1
			Credit	Demand Response	2
1			Credit	Renewable Energy Production	3
1			Credit	Enhanced Refrigerant Management	1
			Credit	Green Power and Carbon Offsets	2

7	0	0		Materials and Resources	13
Y			Prereq	Storage and Collection of Recyclables	Required
Y			Prereq	Construction and Demolition Waste Management Planning	Required
5			Credit	Building Life-Cycle Impact Reduction	5
		N	Credit	Building Product Disclosure and Optimization - Environmental Product Declarations	2
		N	Credit	Building Product Disclosure and Optimization - Sourcing of Raw Materials	2
		N	Credit	Building Product Disclosure and Optimization - Material Ingredients	2
2			Credit	Construction and Demolition Waste Management	2

10	0	0		Indoor Environmental Quality	16
Y			Prereq	Minimum Indoor Air Quality Performance	Required
Y			Prereq	Environmental Tobacco Smoke Control	Required
Y			Prereq	Minimum Acoustic Performance	Required
1			Credit	Enhanced Indoor Air Quality Strategies	2
3			Credit	Low-Emitting Materials	3
1			Credit	Construction Indoor Air Quality Management Plan	1
1			Credit	Indoor Air Quality Assessment	2
1			Credit	Thermal Comfort	1
1			Credit	Interior Lighting	2
1			Credit	Daylight	3
		N	Credit	Quality Views	1
1			Credit	Acoustic Performance	1

1	0	0		Innovation	6
		N	Credit	Innovation	5
1			Credit	LEED Accredited Professional	1

0	0	0		Regional Priority	4
		N	Credit	Regional Priority: Specific Credit	1
		N	Credit	Regional Priority: Specific Credit	1
		N	Credit	Regional Priority: Specific Credit	1
		N	Credit	Regional Priority: Specific Credit	1

50	0	0	TOTALS	Possible Points:	110

Certified: 40 to 49 points, **Silver:** 50 to 59 points, **Gold:** 60 to 79 points, **Platinum:** 80 to 110

GBCI# : 0010399131

Vidya Vemula

Digitally signed by Vidya Vemula
DN: C=US, E=vvemula@artika3.com, O=Director, OU=Artik Art & Architecture, CN=Vidya Vemula
Date: 2021.06.07 11:48:32-07'00'

Appendix F

Peoples Associates Structural Engineers

***Recommended Seismic Retro-Fits, EFC Latitude High School*, October 2019**

PEOPLES ASSOCIATES
STRUCTURAL ENGINEERS

6111 Johnson Court
Pleasanton, California 94588
(408) 957-9220 Fax (408) 957-9221

Building A1 Summary:

Building A1 roof is constructed of corrugated metal deck roof supported by 3x10 purlins that span between steel moment frames spaced 20 ft apart. Per PASE review of the building, we've identified the existing lateral system and determined solutions for existing systems that are overstressed at current code level forces.

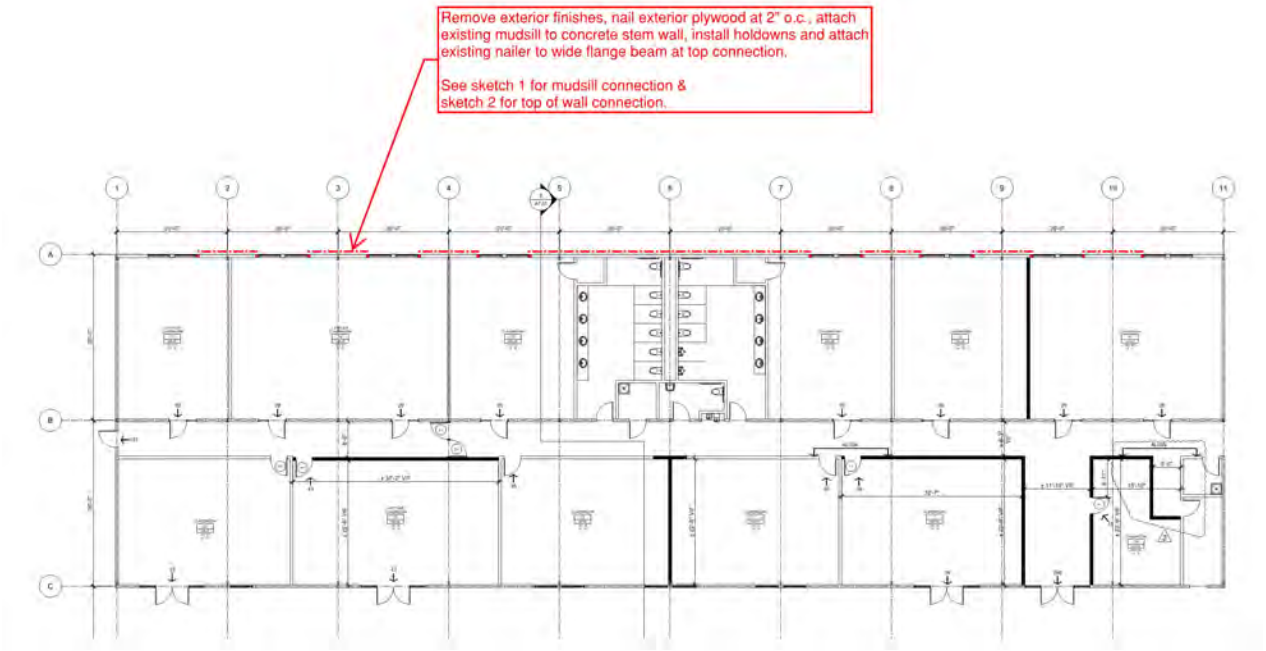
In the building's transverse direction, there are nine moment frames spaced 20 ft apart and two brace frames at each end of the building. The moment frames and brace frames are adequate for current code level forces and requires no retrofit. We utilized the existing partially-fixed moment frame base connection, the pad footing below is adequate to sustain the moments caused by the frame.

The building's longitudinal lateral system is made up of nine wall frames at the south wall and a 2-bay brace frame at the north wall. The nine south wall frames are acceptable and do not require any retrofit. The 2-bay brace frame at the north wall is made of two 6" WF section braces.

Per the current code level forces, the 2-bay brace frame is overstressed by 124%. During our site observations, we found existing 15/32" exterior plywood nailed to a 6" stud wall.

The existing condition is a 2x6 stud wall with a 3x mudsill and 2x nailer at the top of wall. There is minimal plywood nailing, the mudsill is attached to the concrete stem with 3/8" anchors.

Please see attached sketches for our proposed solution. The solution includes increasing the plywood nailing to 2" o.c., attach the existing 3x mudsill to the concrete stem wall with 5/8" Titen HD anchors, attach the existing 2x nailer to the wide flange beam with 5/8" welded studs and install holdowns at the end of each shear wall.



PEOPLES ASSOCIATES
STRUCTURAL ENGINEERS

6111 Johnson Court
Pleasanton, California 94588
(408) 957-9220 Fax (408) 957-9221

Building A2 Summary:

Building A2 is constructed of a 1x straight sheathed roof. The 1x sheathing is supported by 2x12 joists that span 20 ft between steel beams. The existing roof diaphragm is straight sheathing and is severely overstressed when current code level seismic forces are applied. We propose adding 15/32" plywood sheathing with 10d edge nailing spaced at 6".

High Roof Lateral System:

In both transverse and longitudinal directions, the low and high roof diaphragms have been tied together by 2 bays of ¾" "Intermediate" tension rod braces.

In the transverse direction, the intermediate rod bracing is acceptable. There will need to be a connection between the intermediate rod bracing and the low roof beams that are aligned with the intermediate braces.

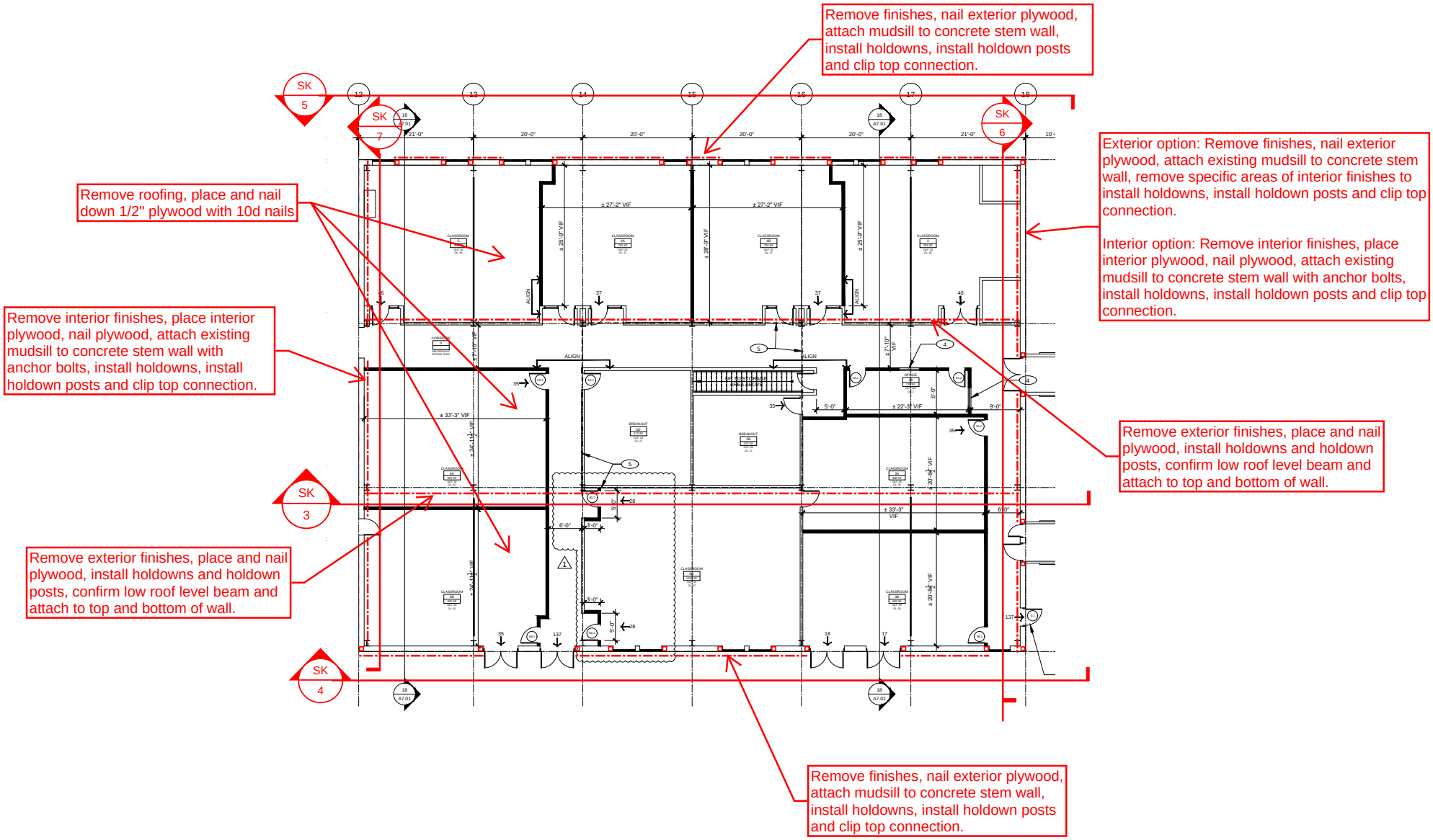
In the longitudinal direction, the intermediate rod braces are slightly overstressed. We suggest adding 15/32" plywood sheathing and holdown posts at the high roof wall. In addition, there will need to be a beam below the high roof wall to catch the holdowns and complete the shear transfer. See sketch 3 for clarification.

Low Roof Lateral System:

The existing low roof lateral system is composed of ¾" diameter tension rod bracing in the longitudinal direction and a non code compliant plywood sheathed shearwall in the transverse direction.

In the longitudinal direction, the existing 2 bays of rod bracing are overstressed by 220%. We propose utilizing the existing exterior plywood on the longitudinal walls by increasing nail spacing, adding straps, adding holdowns, adding mudsill anchor bolts & installing adequate top of wall connections. See attached sketches for proposed shear wall layout.

In the transverse direction, there does not appear to be a lateral system. We propose the following two options; interior or exterior plywood retrofit. Interior option is comprised of removing interior finishes, placing 15/32" plywood on the inside, installing holdowns, installing straps, attaching mudsill to concrete foundation and installing top of wall connection. Exterior option includes removing exterior finishes, increasing plywood nailing, installing straps and removing specific portions of the interior wall to install holdowns, mudsill anchors and top of wall connections. See attached sketches for proposed shear wall layout.


Remove finishes, nail exterior plywood, attach mudsill to concrete stem wall, install holdowns, install holdown posts and clip top connection.
Exterior option: Remove finishes, nail exterior plywood, attach existing mudsill to concrete stem wall, remove specific areas of interior finishes to install holdowns, install holdown posts and clip top connection.
Interior option: Remove interior finishes, place interior plywood, nail plywood, attach existing mudsill to concrete stem wall with anchor bolts, install holdowns, install holdown posts and clip top connection.
Remove roofing, place and nail down 1/2" plywood with 10d nails
Remove interior finishes, place interior plywood, nail plywood, attach existing mudsill to concrete stem wall with anchor bolts, install holdowns, install holdown posts and clip top connection.
Remove exterior finishes, place and nail plywood, install holdowns and holdown posts, confirm low roof level beam and attach to top and bottom of wall.
Remove exterior finishes, place and nail plywood, install holdowns and holdown posts, confirm low roof level beam and attach to top and bottom of wall.
Remove finishes, nail exterior plywood, attach mudsill to concrete stem wall, install holdowns, install holdown posts and clip top connection.
SK 5
SK 7
SK 6
SK 3
SK 4
12
13
14
15
16
17
18
20'-0"
21'-0"
± 27'-2" VIF
± 33'-3" VIF
± 22'-3" VIF
ALIGN
CLASSROOM
BREAKOUT
OFFICE

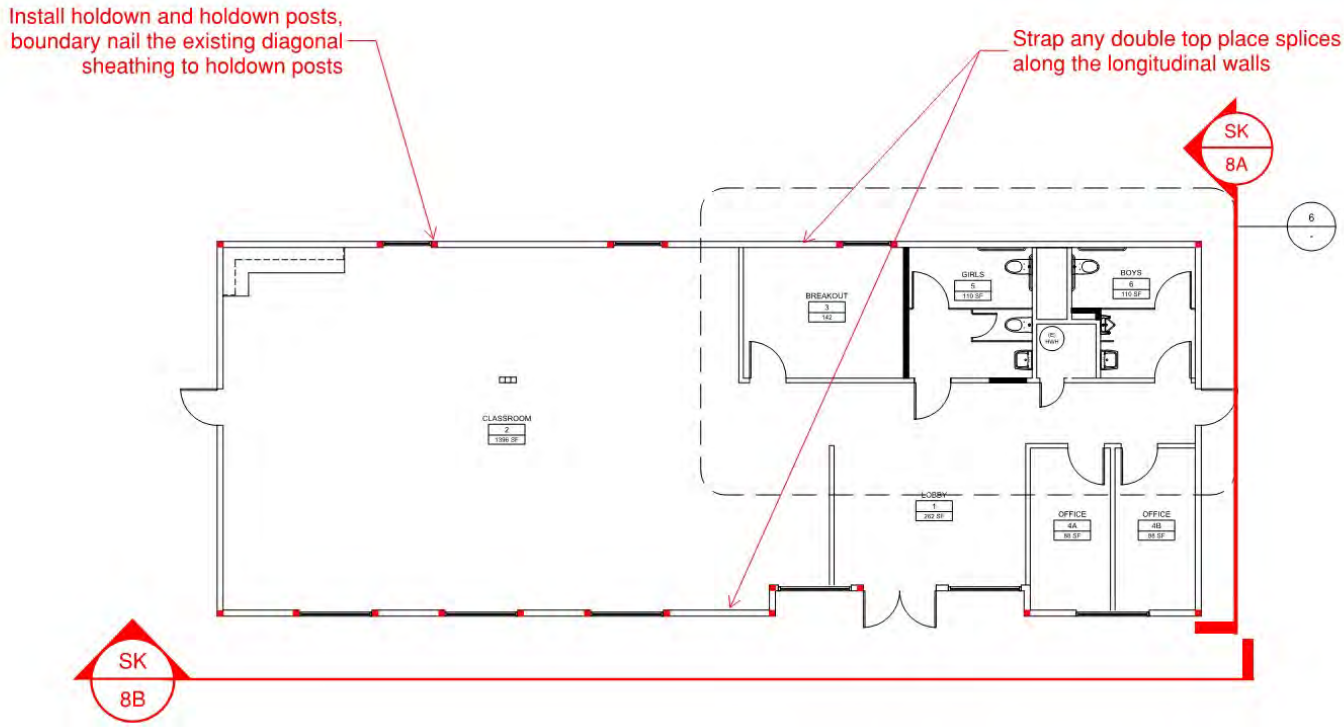
PEOPLES ASSOCIATES
STRUCTURAL ENGINEERS

6111 Johnson Court
Pleasanton, California 94588
(408) 957-9220 Fax (408) 957-9221

Building B Summary:

Per Building B As-builts, Building B is a wood construction building with 1" diagonal roof sheathing, 2x12 joists spanning from exterior wall to an interior PSL beam and 6" stud walls with 1" diagonal sheathing. Our structural analysis shows that the existing diaphragm and shearwall diagonal sheathing is adequate. No retrofit is required for the foundations and existing gravity members.

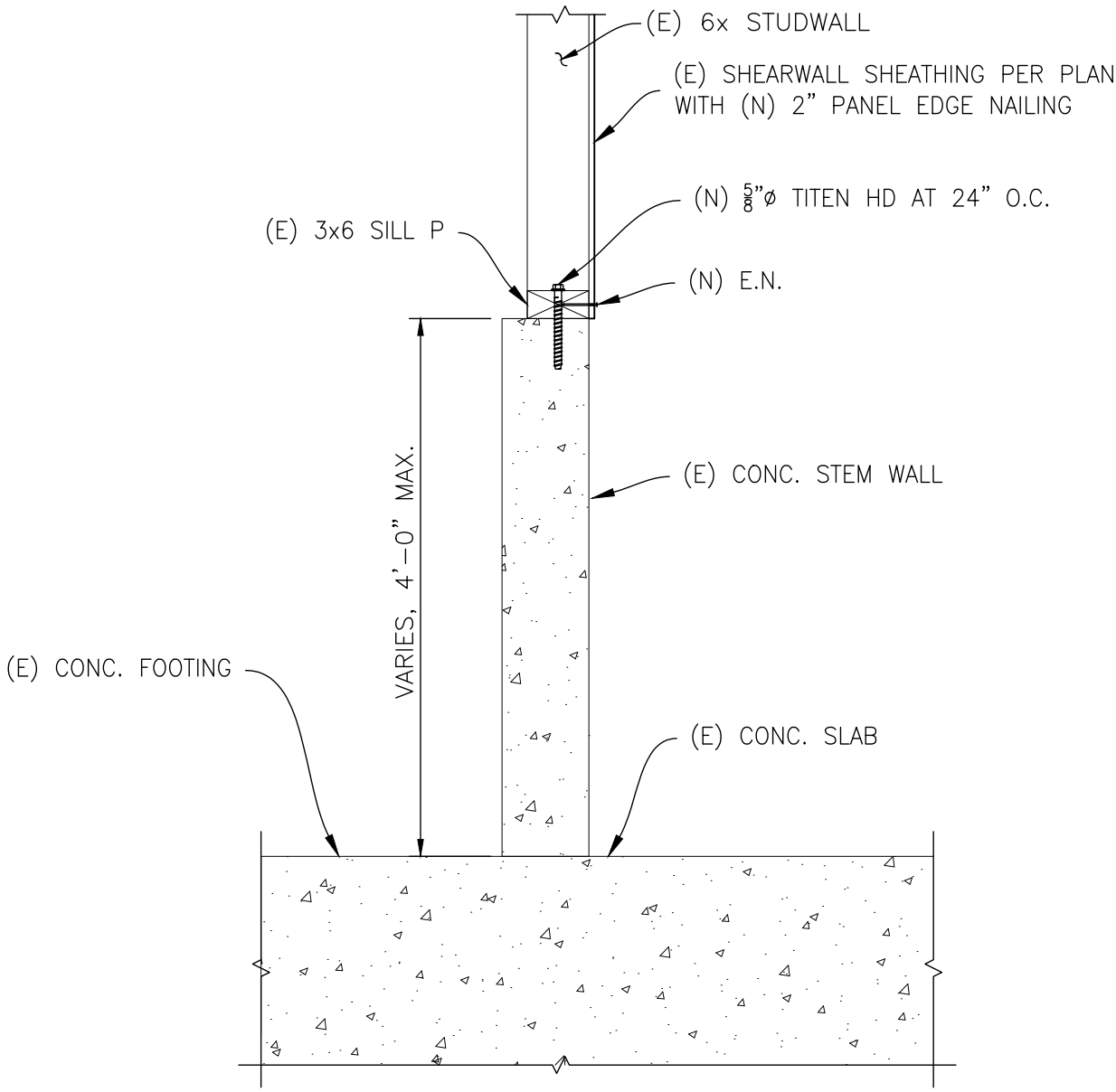
The as-built drawings do not specify any holdowns on plan. Install HDU2 holdowns at the end of each shear wall as shown on the attached building B shear wall layouts. Additionally, any double top plate splices along the longitudinal walls will have to be strapped.



Container Building Summary:

Per the sketches received regarding the container buildings, the gravity system is incomplete. The plywood roof is not adequately supported. Further investigation of as-built condition is required.

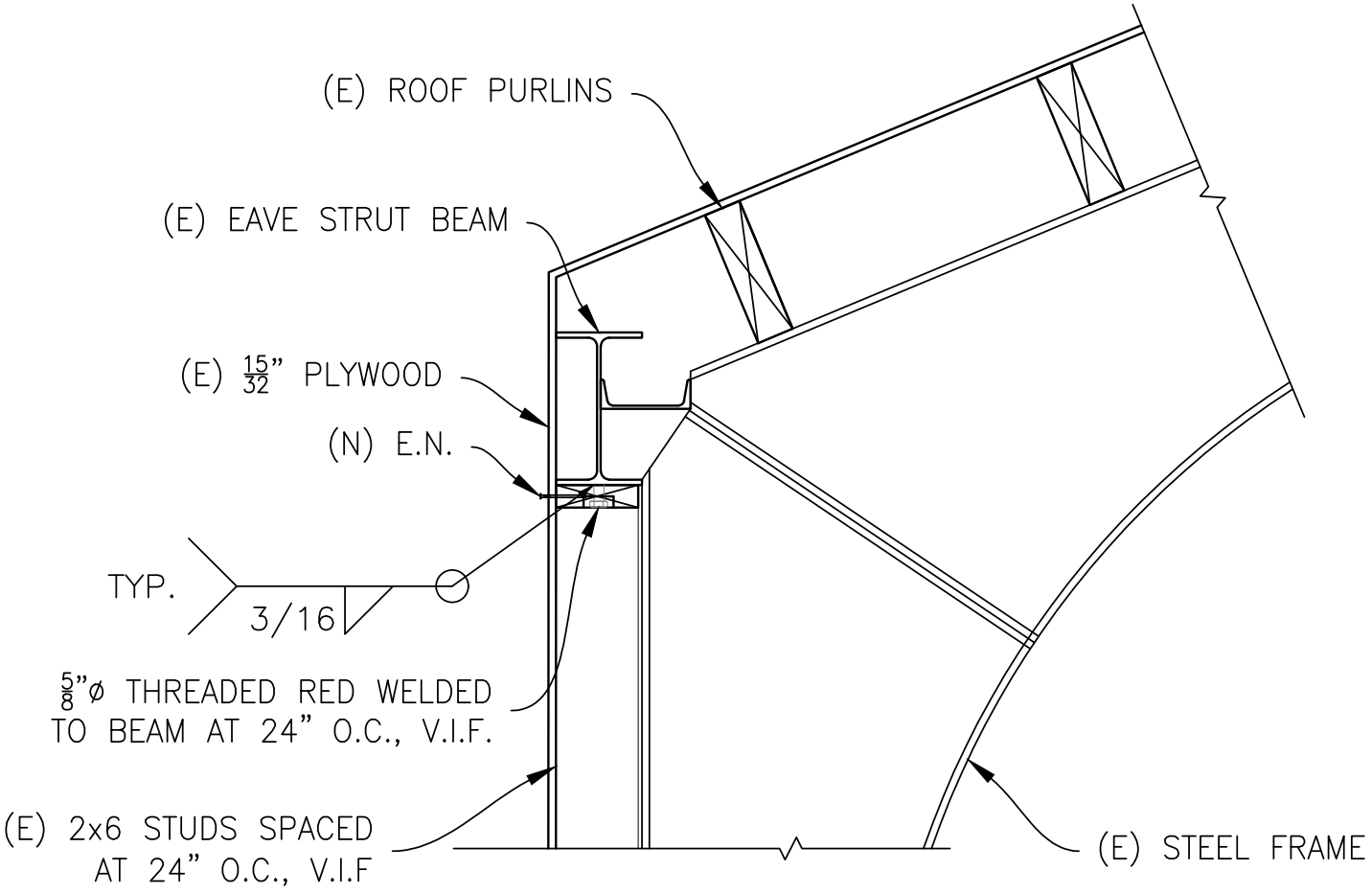
The lateral system has been categorized as a light frame wall with steel sheets. The strength level seismic base shear of 5.0 kips per container building. Per the As-Built drawings, there is a minimum of 15 feet available along each line of resistance. The strength-level demand on the container wall "sheathing" is approximately 167 lbs/ft. We are confident that the container wall shear capacity is adequate.



PEOPLES ASSOCIATES
STRUCTURAL ENGINEERS
6111 Johnson Court • Pleasanton, CA 94588
408-957-9220 www.pase.com

Sketch 1 - Mudsill Attachment

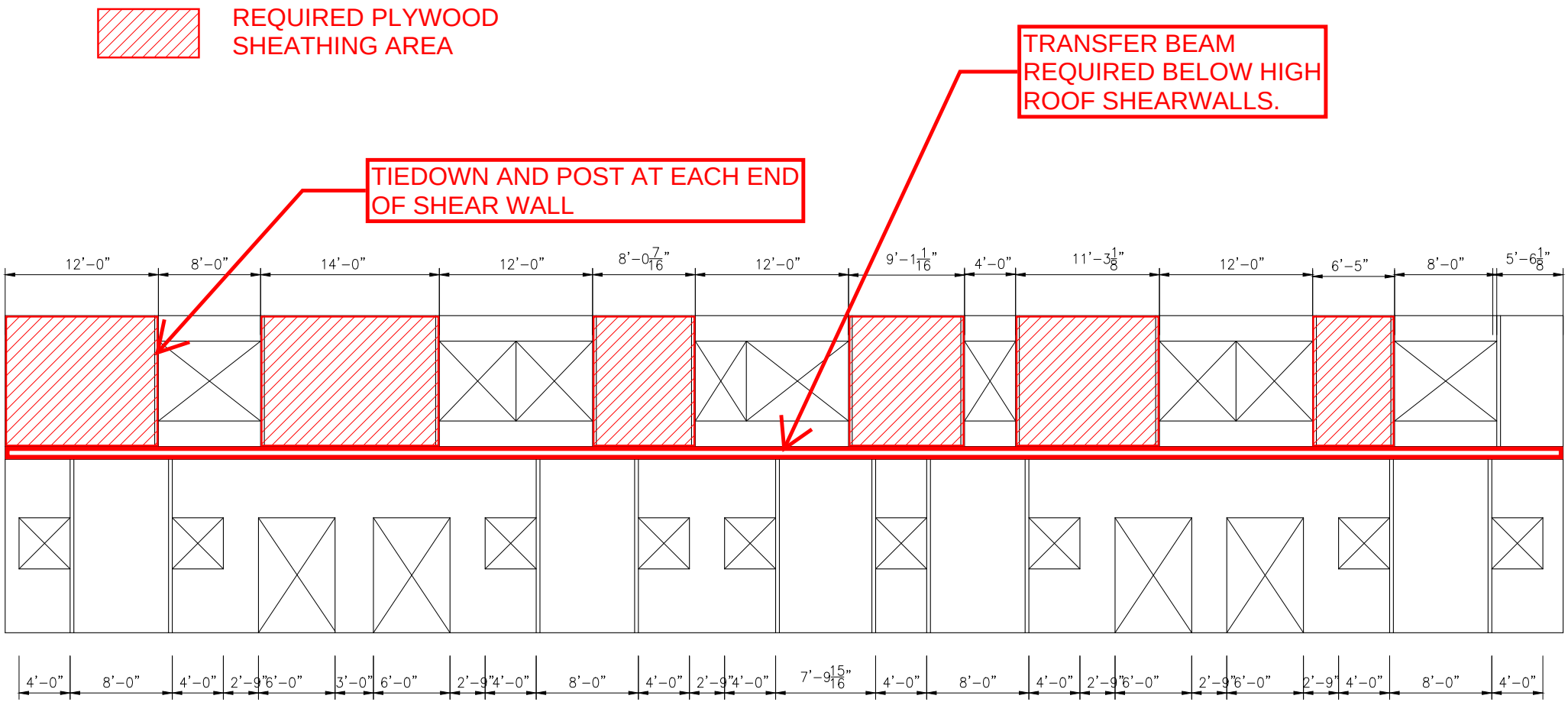
SHEET NO: 1 OF 8
JOB: 19-177 EPIC Middle School
BY: SEL
DATE: 2019-10-10



PEOPLES ASSOCIATES
STRUCTURAL ENGINEERS
6111 Johnson Court • Pleasanton, CA 94588
408-957-9220 www.pase.com

Sketch 2 - Nailer to Steel Beam Connection

SHEET NO: 2 OF 8
JOB: 19-177 EPIC Middle School
BY: SEL
DATE: 2019-10-10

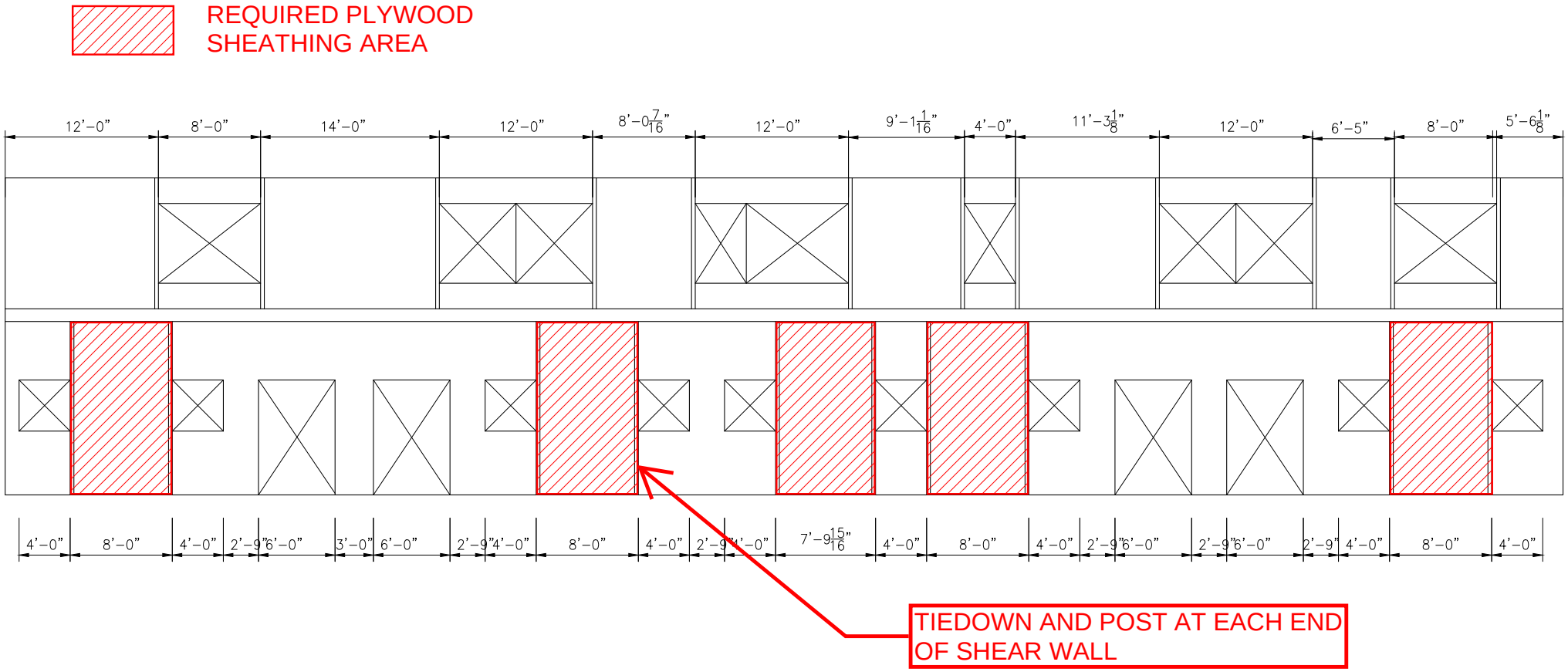


PEOPLES ASSOCIATES
STRUCTURAL ENGINEERS

6111 Johnson Court • Pleasanton, CA 94588
408-957-9220 www.pase.com

Sketch 3 - A2 High Roof Wall Sheathing

SHEET NO: 3 OF 8
JOB: 19-177 EPIC Middle School
BY: SEL
DATE: 2019-10-10



PEOPLES ASSOCIATES
STRUCTURAL ENGINEERS
6111 Johnson Court • Pleasanton, CA 94588
408-957-9220 www.pase.com

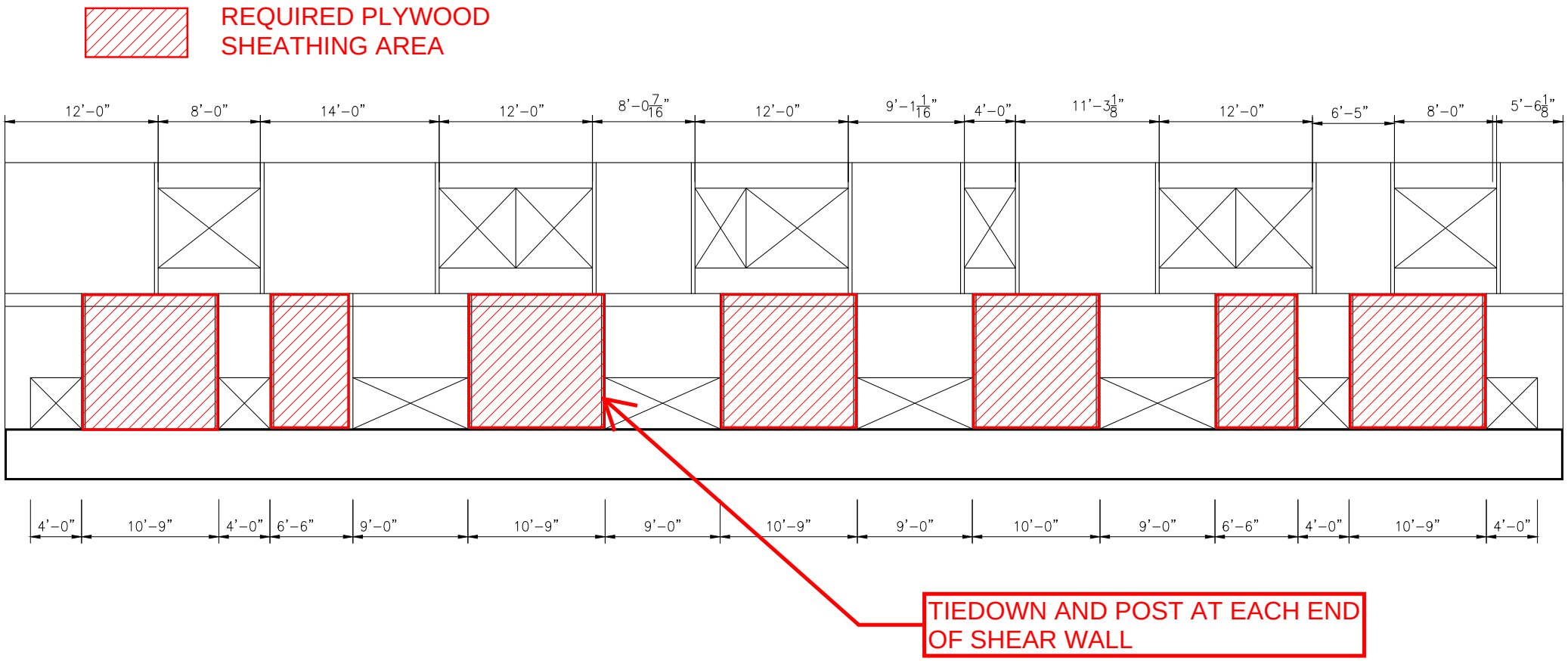
Sketch 4 - A2 South Wall Sheathing

SHEET NO: 4 OF 8

JOB: 19-177 EPIC Middle School

BY: SEL

DATE: 2019-10-10



PEOPLES ASSOCIATES
STRUCTURAL ENGINEERS
6111 Johnson Court • Pleasanton, CA 94588
408-957-9220 www.pase.com

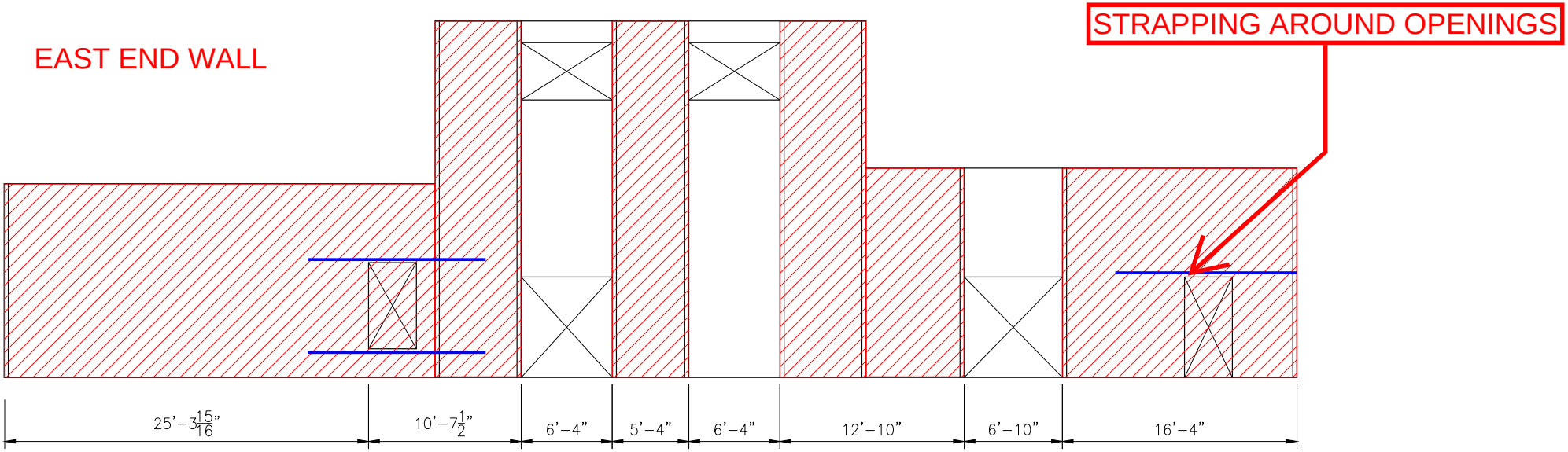
Sketch 5 - A2 North Wall Sheathing

SHEET NO: 5 OF 8

JOB: 19-177 EPIC Middle School

BY: SEL

DATE: 2019-10-10



REQUIRED PLYWOOD SHEATHING AREA

PEOPLES ASSOCIATES
STRUCTURAL ENGINEERS
6111 Johnson Court • Pleasanton, CA 94588
408-957-9220 www.pase.com

Sketch 6 - A2 East End Wall Sheathing

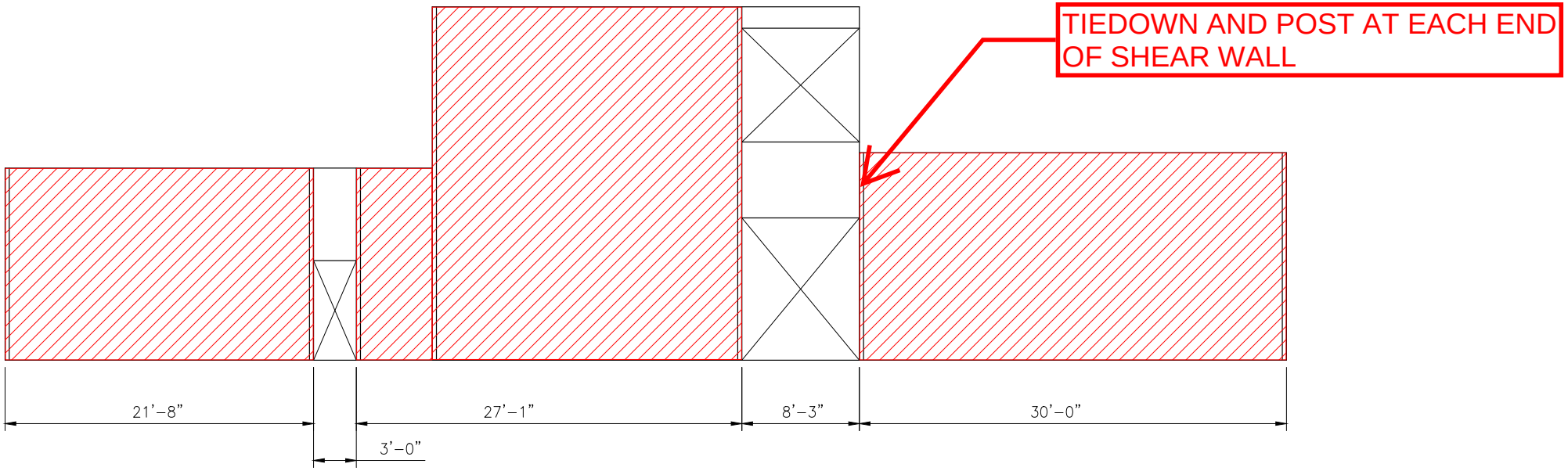
SHEET NO: 6 OF 8

JOB: 19-177 EPIC Middle School

BY: SEL

DATE: 2019-10-10

REQUIRED PLYWOOD SHEATHING AREA



PEOPLES ASSOCIATES
STRUCTURAL ENGINEERS
6111 Johnson Court • Pleasanton, CA 94588
408-957-9220 www.pase.com

Sketch 7 - A2 West End Wall Sheathing

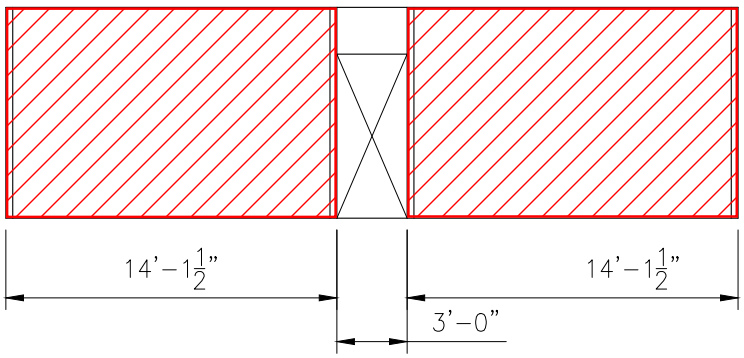
SHEET NO: 7 OF 8

JOB: 19-177 EPIC Middle School

BY: SEL

DATE: 2019-10-10

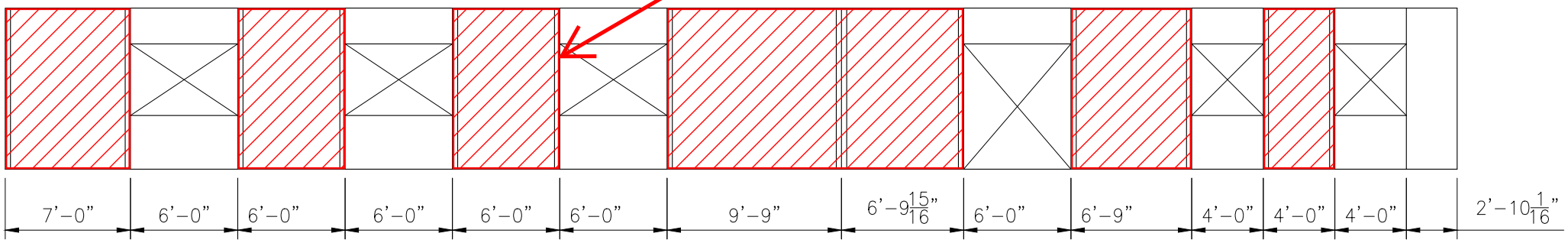
TRANSVERSE WALLS - 8A



REQUIRED DIAGONAL SHEATHING AREA

TIEDOWN AND POST AT EACH END OF SHEAR WALL

LONGITUDINAL WALLS - 8B



PEOPLES ASSOCIATES
STRUCTURAL ENGINEERS
6111 Johnson Court • Pleasanton, CA 94588
408-957-9220 www.pase.com

Sketch 8 - Bldg B Wall Sheathing

SHEET NO: 8 OF 8
JOB: 19-177 EPIC Middle School
BY: SEL
DATE: 2019-10-10

Appendix G

ERAS Environmental, Inc.

***Phase I Environmental Site Assessment for 2901 East 12th Street and 0 29th Avenue*, August 23, 2019**

ERAS Environmental, Inc.

1533 B Street
Hayward, CA 94541

Phone (510) 247-9885 Facsimile: (510) 886-5399 info@eras.biz

PHASE I ENVIRONMENTAL SITE ASSESSMENT
2901 East 12th Street and 0 29th Avenue
Oakland, California 94601
ERAS Project Number 19056A

Prepared for:

Ms. Fabiola Harvey
Education for Change
333 Hegenberger Road, Suite 600
Oakland, California 94621

Prepared by:

ERAS Environmental, Inc.
August 23, 2019

ERAS Environmental, Inc.

1533 B Street
Hayward, CA 94541

(510) 247-9885 Facsimile: (510) 886-5399 info@eras.biz

August 23, 2019

Ms. Fabiola Harvey
Education for Change
333 Hegenberger Road, Suite 300
Oakland, California 94601

Re: **PHASE I ENVIRONMENTAL SITE ASSESSMENT**
2901 East 12th Street and 0 29th Avenue
Oakland, California 94601
ERAS Project Number 19056

Dear Ms. Harvey:

ERAS Environmental (ERAS) is pleased to provide you with the attached Phase I Environmental Site Assessment (ESA) for the above referenced Property. The assessment included a visual reconnaissance of the Property, a review of environmental databases for nearby sites, a review of historical maps, city directories and aerial photographs, an interview with the owner and review of available files regarding the Property with the Oakland Building and Fire Departments and Alameda County Department of Environmental Health. Conclusions and recommendations presented in our report were based upon the completion of these activities.

If you have any questions regarding the information in this report, please don't hesitate to call us. It has been a pleasure working with you on this project.

Sincerely,
ERAS Environmental, Inc.

David Siegel
Senior Program Manager

Andrew Savage
Project Geologist

TABLE OF CONTENTS

PAGE

1.0 INTRODUCTION 1

1.1 Purpose and Scope 1
1.2 Authorization 1
1.3 Limitations and Exceptions 1

2.0 PROPERTY DESCRIPTION 3

2.1 Location and Jurisdiction 3
2.2 Property Description 3
2.3 Property Use 4
2.4 Suspect ACM/PCBs/Lead Paint/Lead in Drinking Water 4
2.5 Physical Setting 4
2.6 Geologic and Soil Conditions 5
2.7 Groundwater Conditions 5

3.0 REGULATORY AGENCY RECORDS REVIEW 6

3.1 Standard Federal and State Environmental Record Sources 6
3.2 Findings From Database Review 7
3.3 Off-site Sources and Agency File Reviews 10

4.0 HISTORICAL USE INFORMATION 12

4.1 Historical Information Review 12
4.2 Interview 15
4.3 Building, Fire and Health Department File Review 15
4.4 Synopsis of Previous Environmental Investigations 16
4.5 Environmental Liens 17

5.0 RECONNAISSANCE 18

5.1 Visual Reconnaissance of the Property 18
5.2 Adjacent and Nearby Site Uses 19

6.0 CONCLUSIONS AND RECOMMENDATIONS 20

6.1 Conclusions 20
6.2 Recommendations 22

7.0 REFERENCES AND APPENDICES 23

FIGURES

1 Topographic Map
2 Site Plan
3 Aerial Site Plan

APPENDICES

A Environmental Professional's Resume
B Location and Site Maps
C Property Photographs
D ERIS Database Report
E ASTM Transaction Screen and Environmental Site Assessment Questionnaire
F Pertinent Environmental Information for Adjacent Sites
G Pertinent Environmental Information for the Property

1.0 INTRODUCTION

1.1 Purpose and Scope

This Phase I Environmental Site Assessment (ESA) was performed to identify, to the extent feasible, recognized environmental conditions in connection with the subject site (cited hereinafter as the "Property"). The protocol utilized for this assessment is in general accordance with the requirements of ASTM Standard E 1527-13.

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

The environmental professional's resume is included in **Appendix A**.

The assessment included four main components: Records Review, Historical Use Information Review, Visual Reconnaissance of the Property, and Report Preparation. The purpose of the records review is to obtain and review records that will help identify recognized environmental conditions in connection with the Property. The objective of the visual reconnaissance is to obtain information indicating the likelihood of identifying recognized environmental conditions in connection with the Property. The objective of the interviews is to obtain additional information indicating recognized environmental conditions in connection with the Property. The report includes documentation to support the analysis, opinions and conclusions as presented.

1.2 Authorization

Authorization to perform this assessment was provided by Ms. Fabiola Harvey of Education for Change on May 20, 2019 in response to ERAS proposal dated May 13, 2019, on July 11, 2019 in response to ERAS proposal dated July 9, 2019 and on August 19, 2019 in response to ERAS proposal dated August 7, 2019.

1.3 Limitations and Exceptions

ERAS has performed the services for this project in accordance with our proposal, and in accordance with current standards of the American Society for Testing and Materials (ASTM) for Phase I Environmental Site Assessments (ASTM standard E1527-13). No guarantees are either expressed or implied.

The investigation was limited to a search for *recognized environmental conditions*. The term *recognized environmental condition* means the presence or likely presence of any hazardous substances or petroleum products on the Property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the Property or into the ground, groundwater, or surface water of the Property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include de minimis conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental

agencies.

There is no investigation, which is thorough enough to preclude the presence of hazardous materials, which presently, or in the future, may be considered hazardous at the Property. Because regulatory evaluation criteria are constantly changing, concentrations of constituents presently considered low may, in the future, fall under more stringent regulatory standards that require remediation.

The visual reconnaissance was limited to observation of surface conditions at the Property. *Reasonably ascertainable* information was obtained. This information is publicly available and obtainable from its source within reasonable time and cost constraints and is reasonably reviewable. This approach reflects current ASTM standards unless the information obtained as part of this work suggests the need for further investigation. No warranty or guarantee of Property conditions is intended.

The investigation addressed recognized environmental conditions at the Property. However, certain conditions, such as those listed below, may not be revealed:

1) naturally occurring toxic materials in the subsurface soils, rocks, water, or toxicity of on-site flora;

2) toxicity of substances common in current habitable environments, such as stored household products, building materials, and consumables;

3) biological pathogens;

4) contaminant plumes below sampled or observed surface levels, originating from a remote source;

5) constituents or constituent concentrations that do not violate present regulatory standards, but may violate future standards;

6) unknown impact to the Property, such as "midnight" dumping and/or accidental spillage which may occur following the visual reconnaissance of the Property by ERAS.

Opinions and judgments expressed herein, which are based upon our understanding and interpretation of current regulatory standards, should not be construed as legal opinions.

2.0 PROPERTY DESCRIPTION

2.1 Property Location

The subject property (the "Property") consists of two Alameda County Assessors parcels designated with parcel numbers 25-639-3-3 ("0" 29th Avenue) and 25-693-08 (2901 East 12th) located in the southwestern area of Oakland. Together they form an elongated, flag-shaped undeveloped vacant lot with an area of approximately 1 1/3 acres that extends from 29th Avenue to Derby Avenue and along East 12th Street.

Note the Property has had the historical addresses of 2901, 2915, 2917, 2931, 2933, 2941, 2947 and 2953 East 12th Street and 0 29th Avenue.

The 1 Mile Radius Map included as a site location map in **Appendix B** shows the location of the Property. Current photographs showing important details of the Property are included in **Appendix C**.

2.2 Property Description

An ERAS representative visited the Property on June 6, 2019. The Property was in an area of commercial land uses along East 12th Street in the Fruitvale District of west Oakland. The Property was bounded on the northeast by East 12th Street and three commercial buildings along East 12th Street at 3001, 3007 and 3031 East 12th Street. An elevated section of BART line runs along the middle of East 12th Street. Across the street was a large property occupied by Goodwill Industries at 1301 30th Avenue. To the northwest was 29th Avenue and across the street was a Self-Storage facility at 2783 East 12th Street. To the southwest was a large commercial building occupied by EPICS Charter School at 1045 Derby Avenue.

The Property was bounded on the street sides (southeast, northeast and northwest) by mostly chain link fencing. Double gates were located near the corner of the Property on the 29th Avenue side, two other locked gates were located along East 12th Street. Another gate from Derby Avenue provided access to the Property at the southeast end.

The Property was undeveloped vacant land. An area near the eastern corner was paved with concrete (likely a former building pad), and another area of pavement near the southeast end adjacent to Derby Avenue was paved with concrete. Otherwise the surface of the Property was mostly gravel with some dirt and was overgrown with weeds at the time of the site visit. Other than pavement, there were no improvements except for a round concrete pedestal foundation that may have been a light or sign foundation near the northwest end of the Property.

Septic systems, drywells, sumps, pits or monitoring wells were not observed on the Property by ERAS. No evidence of aboveground storage tanks (ASTs) or underground storage tanks (USTs) was observed on the Property by ERAS. No evidence of leakage, spillage or dumping of regulated material was observed on the Property by ERAS.

A Site Plan (**Figure 2**) illustrating important features of the Property is included in **Appendix B**. Observations made by ERAS at the time of the site visit are shown on the site reconnaissance checklist in **Appendix E**.

2.3 Property Use

The southwestern portion of the Property (0 29th Avenue) was developed with two rail lines prior to 1897 until between 1987 and 1993 and has been undeveloped vacant land since that time.

The northeastern portion (2901-2953 East 12th Avenue) was undeveloped in 1897 until after 1915.

In 1946 the northwest corner of the Property (2901 East 12th Street) contained a gasoline station; this was removed between 1951 and 1958. From 1953 to through 1967 this portion of the Property was used for used car sales, and then for vacation trailers and recreational vehicles from 1973 to 2000.

To the south of the former gas station was a small commercial building at 2915-2917 East 12th Street that was used as a machine shop and metal stamping facility in 1950 , this area was vacant or used for vehicle storage contiguous with 2901 East 12th Street until 1965 and was vacant thereafter.

A large commercial building at 2931-2953 East 12th Street was present in 1951 and was removed by 1967. Known occupants of this building were a drug store warehouse, neon sign manufacturer, office and garage and for storage.

The Property has been in its current state (vacant and undeveloped) since 2002. Additional historical detail regarding the uses of the Property is provided in **Section 4.0**.

2.4 Suspect ACM/PCBs/Lead Paint/Lead in Drinking Water

Asbestos

No buildings are present on either parcel; therefore, no asbestos containing materials (ACM) are present.

PCBs

No electrical transformers were observed on the Property. There were no indications of former hydraulic equipment on the Property that would be likely to contain oil or PCBs.

Lead Paint

No buildings are present; therefore lead-based paint on structures is not present at the Property.

Lead in Drinking Water

No buildings are present; therefore, lead in drinking water is not currently an environmental issue.

2.5 Physical Setting

The Property is in the southwestern part of Oakland, in the eastern part of the San Francisco Bay Area. The San Francisco Bay Area occupies the central part of the Santa Clara Valley, a broad alluvial valley that slopes gently northward toward San Francisco Bay and is flanked by alluvial fans deposited at the foot of the Diablo Range to the east and the Santa Cruz Mountains to the west. The upland surfaces rising abruptly approximately four miles to the east of the Property are known as the East Bay Hills.

Surface topography in the vicinity of the Property is almost flat. The Property is at an elevation of approximately 40 feet above Mean Sea Level according to the United States Geological Survey (USGS) Oakland East Quadrangle California 7.5 Minute Series topographic map. Regionally, topography in the area of the Property slopes down to the west toward San Francisco Bay.

2.6 Geologic and Soil Conditions

The sediments in the vicinity of the Property are fine-grained alluvial sediments that represent distal deposits of alluvial fans that were deposited by rivers draining upland surfaces to the east of the Property. These sediments were deposited in a low energy environment on the margins of San Francisco Bay. At shallow depths beneath these sediments are a series of Recent-age (<10,000 years) blue clay layers that become increasingly thicker toward San Francisco Bay. These clay layers are known as the Bay Mud and were deposited in San Francisco Bay during higher stands of sea level. In the vicinity of the Property it is likely that several hundred feet of these sediments overlie sandstone and serpentine sedimentary and metamorphic rocks of the Jurassic-aged Franciscan Formation bedrock.

Based on subsurface investigation at the adjacent site at 0 29th Avenue, the subsurface sediments consisted of gravel or a sand/gravel/organic fill from the surface to a maximum of approximately 2 feet bgs. From beneath the fill to the depth explored silty clay and clayey silt was observed to a depth of approximately 10 feet (ERAS, 2017).

2.7 Groundwater Conditions

The Property is located near the northern edge of an area known as the San Leandro Cone which is in the Fremont Subarea of the Santa Clara Valley Groundwater Basin (California Department of Water Resources, 1967). The San Leandro Cone generally consists of thick permeable units separated by thick impermeable units. These sediments act as a groundwater recharge area of the Santa Clara Valley Groundwater Basin. Groundwater in the vicinity occurs in thin discontinuous water bearing strata. The regional groundwater flow follows the topography, moving from areas of higher elevation to areas of lower elevation. The regional groundwater flow direction in the area of the Property is estimated to be to the west toward San Francisco Bay.

Based on subsurface investigation at 1112 29th Avenue, located approximately 100 feet to the southwest, the depth to static water in groundwater monitoring wells was reported to be approximately 8-11 feet with a flow direction to the southwest (ACDEH, 2011).

Based on subsurface investigation conducted on the former gasoline station near the northern end of the Property (POI, 2002), groundwater was encountered at depths of approximately 12-16 feet.

3.0 REGULATORY AGENCY RECORDS REVIEW

3.1 Standard Federal and State Environmental Record Sources

Groundwater provides the primary migration route for subsurface contamination from off-site sources to the Property. Based on regional and local topography and groundwater monitoring on an adjacent site, the groundwater flow direction is to the southwest toward San Francisco Bay.

Only the sites that are directly upgradient or in close proximity (adjacent) are usually considered to pose a potential threat to subsurface environmental conditions under the Property. The potential impact of off-site contaminants to the Property are based on the type of chemical released, the severity of the release, status of remediation or cleanup, and nature of the groundwater in the area of impact and area of the Property.

Sites where groundwater is known to be impacted are listed on a variety of Federal and State databases and are the cases most likely to affect other nearby parcels. These databases are listed below. Databases searched for specified radii around the Property also include reported spills of hazardous materials (ERNS).

Fuel hydrocarbons generally do not migrate as readily as other chemicals such as certain solvents; consequently, reported fuel leak sites at distances greater than ½ mile from the Property are not considered imminent threats and are not plotted on database maps. Leaks from underground storage tank sites are the most common source of local contamination. Leaks of this type generally do not extend down-gradient more than approximately 500 feet (approximately 1/10 mile) except under unusual conditions. All toxic sites within a 1-mile radius are plotted and reviewed to determine potential threats to the Property.

Information from standard Federal and State environmental databases was provided to ERAS by Environmental Risk Information Services (ERIS) of Toronto. Data from governmental agency lists are updated and integrated into one database, which is updated as these data are released. This integrated database also contains postal service data to allow matching of street addresses to historic site uses. Records from one government source are compared to records from another to clarify any address ambiguities. The demographic and geographic information available provides assistance in identifying and managing risk. The accuracy of the geo-coded locations is +/- 300 feet.

Maps in the ERIS report shows the locations of all sites identified relative to the location of the Property. The following databases represent the known and likely leak sites that could potentially pose a threat to environmental conditions under the Property. These represent the databases that are consistent with the ASTM-standard environmental databases.

The database includes a large number of supplemental, proprietary and non-ASTM standard databases that include many duplicate listings of sites that are already listed in the below-listed databases. ERAS reviewed all the listings provided in the databases as part of the process of evaluation of risk to the Property and further evaluates any site listings that ERAS considers significant.

List Type	Approximate Search Distance in Miles
NPL	1.0
CERCLIS	0.5
CORRACTS	1.0
CONTROLS	0.5
ERNS	Property
ENVIRONSTOR	1.0
LUST	0.5
SLIC	0.5
VCP	0.5
Brownfields	0.5

3.2 Findings From Database Review

The Property was listed under the address 2901 East 12th Street as Former Gas Station as an Open-Active site and under the address 0 29th Avenue as Pacific Thomas Corp. with the status Open-Site Assessment. The Property is discussed further in **Section 4.4**.

An up-gradient fuel leak (LUST) case at 1301 30th Avenue was identified as a closed fuel leak (LUST) case. A site adjacent to the southwest at 1112 29th Avenue is listed as a closed LUST case and also as an Open-Site Assessment case under the name Former Caltrans Maintenance Station. These sites are discussed further in **Section 3.3**.

The locations of the other identified sites, relative to the Property, are shown on the **1 Mile Radius, .5 Mile Radius and .25 Mile Radius** maps in the ERIS Report in **Appendix D**.

NPL

NPL 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, ERIS provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices. State listed NPL equivalent sites (Response) are also included in this search.

No NPL sites were listed within 1 mile of the Property.

CERCLIS (includes SEMS Archive, CERCLIS NFRAP, CERCLIS Liens)

CERCLIS is the Comprehensive Environmental Response, Compensation, and Liability Information System. CERCLIS contains information on hazardous waste sites, potential hazardous waste sites, and remedial activities across the nation, including sites that are on the National Priorities List (NPL) or being considered for the NPL. This database contains a listing of NPL Sites.

Nine CERCLIS sites were listed within ½ mile of the Property. The nearest site, Esposito Plating Corp at 2904-2908 Chapman Street, was located approximately 1/3 mile to the south-southwest, in a direction down-gradient. Based on the location and distance, this site is not considered likely to pose a threat to the subsurface environmental conditions beneath the Property.

Based on the distance and location none of the other sites are considered likely to pose a threat to the subsurface environmental conditions beneath the Property.

CORRACTS

This database contains Investigation or cleanup activities at Resource Conservation and Recovery Act (RCRA), or state-only hazardous waste reported by the California Department of Toxic and Substance Control.

One CORRACTS site was listed within 1 mile of the Property. The nearest site, American Can Packaging at 3801 East 8th Street, was located approximately 1/2 mile to the southeast, in a direction cross-gradient. Based on the location and distance, this site is not considered likely to pose a threat to the subsurface environmental conditions beneath the Property.

Based on the distance and location none of the other sites are considered likely to pose a threat to the subsurface environmental conditions beneath the Property.

CONTROLS

Controls, this database identifies sites that have liens reported by the California Department of Toxic and Substance Control, land use control information pertaining to the former Navy base realignment and closure properties, engineering controls sites, and sites with institutional controls.

No Controls sites were listed in this database within ½ mile of the Property.

ERNS

The primary function of the National Response Center is to serve as the sole national point of contact for reporting all oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories. This database contains a listing of discharge locations. Agency: National Response Center.

The Property was not identified on this database.

ENVIROSTOR

This database identifies confirmed release sites where DTSC is involved in remediation, either in a lead role or oversight capacity.

Twenty-four (24) ENVIROSTOR sites were listed within 1.0 mile of the Property. The nearest site, Former Montgomery Ward Building at 2825 International Boulevard, was located approximately 740 feet to the north-northwest, in a direction cross-gradient. Based on the location and distance, this site is not considered likely to pose a threat to the subsurface environmental conditions beneath the Property.

Based on distance, and/or direction the remaining sites are not considered likely to pose a threat to the subsurface environmental conditions beneath the Property.

LUST

The California State Water Resources Control Board's Underground Storage Tank Program keeps a

list of all underground storage tanks which have been reported as having had a release. These sites include those that have not yet been cleaned up and now have a status of Case Open and those which have been cleaned up and have a case status of Closed. Fuel leak sites rarely affect an area more than 1/8 mile from its source except under unusual conditions. Most contamination from these sites is confined to areas within 500-700 feet of the leak source.

Thirty-five (35) LUST sites were listed within ½ mile of the Property. An up-gradient site at 1301 30th Avenue was located up-gradient across East 12th Street. Another site, Cal Trans South Oakland Maintenance Station at 1112 29th Avenue, was located approximately 100 feet to the south, in a direction down-gradient. Due to proximity, file information for these sites were reviewed and this is discussed below in **Section 3.3**.

The Property has been recently added to the Geotracker database as an Open case under the name Former Gas Station and is discussed below in **Section 4.4**.

Based on site status, distance, and/or direction the remaining sites are not considered likely to pose a threat to the subsurface environmental conditions beneath the Property.

SLIC (includes Response and Cleanups)

The Spills, Leaks, Investigation & Cleanup (SLIC) Program deals with site investigation and corrective action involving sites not overseen by the Underground Tank Program and the Well Investigation Program. Sites listed as "closed" have had remediation completed and are now considered closed by the agency. These listings include SLIC sites that are listed on Federal, state and county listings.

Twenty-one (21) SLIC (4 Response and 17 Cleanup) sites were listed within 1 mile of the Property. The Property, Pacific Thomas Corp at 0 29th Street, is listed and is discussed further below in **Section 4.4**.

Based on site status, distance, and/or direction the remaining sites are not considered likely to pose a threat to the subsurface environmental conditions beneath the Property.

VCP

This database contains a listing of sites with either confirmed or unconfirmed releases, and the project proponents have requested that DTSC oversee evaluation, investigation, and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Two VCP sites were listed within ½ mile of the Property. The nearest site, Esposito Plating Corp at 2904 Chapman Street, was located approximately 1/3 mile to the south-southwest, in a direction down-gradient. Based on the location and distance, this site is not considered likely to pose a threat to the subsurface environmental conditions beneath the Property.

Based on site status, distance, and/or direction the remaining sites are not considered likely to pose a threat to the subsurface environmental conditions beneath the Property.

BROWNFIELDS, A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provide information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Four US Brownfields sites were listed on the database within ½ mile. The nearest site, 3050 International Blvd at 3050 International Blvd, was located approximately 770 feet to the east-northeast of the Property not in a direction directly up-gradient. Based on distance and location this site is not considered likely to pose a threat to the subsurface environmental conditions beneath the Property.

Based on site status, distance, and/or direction the remaining sites are not considered likely to pose a threat to the subsurface environmental conditions beneath the Property.

Only sites that are listed as potentially contaminated and are near or in a direction directly up-gradient are considered as potential threats to the Property. No additional sites, other than those leak sites identified above, were identified on these databases.

3.3 Off-site Sources and Agency File Reviews

An adjacent site to the southwest at 1045 Derby Avenue (formerly 1112 29th Avenue) is listed as a closed fuel leak case under the name South Oakland Caltrans Maintenance Station and also as an open leak site (Cleanups) under the name Former Caltrans Maintenance Station. A site across East 12th Street, Goodwill Industries at 1301 30th Avenue, approximately 150 feet to the northeast is a closed leak case.

1045 Derby Avenue

This site is located adjacent to the southwest of the "0" 29th Avenue parcel and was a Caltrans vehicle storage and maintenance station. According to case closure information (see **Appendix F**), two USTs were removed from the site in 1997. Contaminated soil and groundwater were removed and properly disposed during the UST removal operations. The existing building has been significantly improved for use as a charter school known as EPIC Middle School.

In 1999 soil and groundwater samples were collected from nine soil borings that indicated the presence of residual contamination in soil and groundwater. In 2000 four groundwater monitoring wells were installed and a monitoring and sampling program was initiated that continued to 2005. The groundwater flow has been reported to be to the southwest (away from the Property).

The last data from groundwater samples collected in 2005 indicated residual concentrations of gasoline hydrocarbons, benzene and methyl tert butyl ether (MTBE) in groundwater. As indicated on the iso-concentration maps in Appendix F, the extent of groundwater contamination is known and is mostly located to the southwest of the existing building. A portion of the MTBE plume extends under the southwest end of the building. The ACDEH determined the contamination did not pose a threat to human health and safety and the environment for the current industrial/commercial uses of the site and issued a Remedial Action Completion Certificate on July 25, 2011.

However, because the use of the site has been changed for use as a school, the site was listed as

an Open-Site Assessment site and a Voluntary Remedial Action Agreement with the ACDEH was signed by Caltrans on July 17, 2019. 3

1301 30th Avenue

This site is listed as Goodwill Stores and is located across East 12th Street to the northeast, in a direction up-gradient. Seven underground storage tanks containing motor oil, gasoline and waste oil were removed from the site in 1995. Contamination was detected beneath several of the USTs and contaminated soil was over-excavated and disposed.

Following removal of contaminated soil, samples were collected and did not contain detectable concentrations of contaminants except for oil. The Alameda County Department of Environmental Health concluded that based on the investigations, the only significant petroleum release was beneath the new, virgin oil USTs. The leak case was closed on February 5, 1996 and a copy of the documentation is included in **Appendix F**.

Based on the known extent of contamination, this site is not considered to pose a threat to subsurface environmental conditions under the Property.

4.0 HISTORICAL USE INFORMATION

Available historical data were researched to obtain information regarding the past uses of the Property and adjacent sites, especially as the information may pertain to environmental conditions or concerns.

4.1 Historical Information Review

Historical information reviewed included historical Sanborn Fire Insurance Maps topographic maps, aerial photographs, city street directories, building records and health department records,

Sanborn Insurance Maps

ERAS reviewed historical Sanborn Fire Insurance maps provided by EDR dated June 21, 2019. The following is a summary of the map review. In the following table, the tenants of the portion of the Property at 2901-2953 East 12th Street, the uses are listed from northwest (2901 East 12th Street) to southeast (2953 East 12th Street). A/A is as above, same tenant or usage.

Date	2901-2953 East 12th Street/0 29th Avenue **(Property)**	1045 Derby Street	3001-3031 East 12th Street
1911	vacant and undeveloped, 0 29th, 2 railroad lines	vacant and undeveloped	vacant and undeveloped
1950	2901-2953, gas station, machine shop/metal stamping, vacant commercial bldg., 0 29th A/A	California Highway Commission equipment yard/shed	Richards Upholstery
1952-1953	2901-2953, used cars, drug warehouse, neon sign factory 0 29th A/A	A/A with additional bldgs. (office, equip storage	Oliver's Lighting Fixtures
1957 & 1959	2901-2953, vacant, drug warehouse, office/garage 0 29th A/A	A/A	Address not listed
1960	2901-2953, vacant, drug warehouse, transfer and storage 0 29th A/A	A/A	Address not listed
1964-1965	2901-2953, used cars, drug warehouse, misc. storage 0 29th A/A	A/A	Address not listed
1967 & 1969	2901-2953, vacant and undeveloped 0 29th A/A	A/A	United Industrial Products

Based on the Sanborn Maps, the following are the known uses of the Property. Note the entire Property at 2901-2953 East 12th Street was vacant and undeveloped in 1911. The area of the Property at 0 29th Avenue contained 2 rail lines from 1911 through 1969.

2901 East 12th Street - occupied by a gas station in 1950, used cars in 1952-1953, was vacant in 1957-1960, contained used cars in 1964-1965 and was vacant again in 1967-1969.

2915-2917 East 12th Street - contained a machine shop/metal stamping facility in 1950, by 1952, this area of the Property was used for used cars or was vacant.

2917-2947 East 12th Street - contained a large commercial building that was vacant in 1950. Most of this building contained a drug warehouse from 1952-1965.

2953 East 12th Street – contained a neon sign factory in 1952-1953, office/garage in 1957 and 1959, transfer and storage in 1960, miscellaneous storage in 1964-1965.

The following is a summary of the adjacent sites.

1045 Derby Street (formerly 1112 29th Avenue) – The site was vacant and undeveloped in 1911 and was occupied by a California Highway Commission equipment yard from 1950 through 1969

The adjacent sites at 3001-3031 East 12th Street was vacant and undeveloped in 1911 and was occupied by 2 or 3 commercial buildings from 1950 through 1969.

1950 – hay and fuel yard, 2 stores and restaurant
1952-1953 – stores, title warehouse, warehouse and storage
1957 & 1959 – furniture storage, stove & refrigerator storage, machinery sales and service
1960 – upholstery shop, furniture warehouse, stove & refrigerator storage, machinery sales and service
1964-1965 – A/A
1967 & 1969 – store, radio repair, radio warehouse, auto repair

Historical USGS Topographic Maps

The United States Geological Survey Oakland East, California, 7.5 Minute Series, and Concord 15 Minute Series Topographic Maps dated 1897, 1915, 1941, 1947, 1949, 1959, 1968, 1973, and 1980 were reviewed online at https://geonames.usgs.gov/apex/f?p=262:1:0::NO:RP::

On the maps dated between 1897 and 1941 the 0 29th Avenue parcel contained rail lines and the other portion along East 12th Street was shown to be vacant and undeveloped. On the maps between 1947 and 1980 the Property was shown to be part of urban development with no individual building details shown.

Historical Aerial Photographs

ERAS reviewed historical aerial photographs which included provided by EDR dated June 24, 2019. The following is a summary of the photograph review.

Date	2901-2953 East 12th Street/0 29th Avenue **(Property)**	1045 Derby Street	3001-3031 East 12th Street
1939	2901-2953, fully developed with commercial bldgs, 0 29th, 2 rail lines	one large comm bldg. near SE end	three comm bldgs
1946	2901-2953, two small bldgs at NW end, large comm bldg. at SE 0 29th A/A	one large comm bldg. near SE end	Two comm bldgs
1958	2901-2953, numerous parked vehicles at NW end, large comm bldg. at SE 0 29th A/A	Four comm bldgs	Two comm bldgs
1963	2901-2953, vacant at NW end, large comm bldg. at SE 0 29th A/A	Four comm bldgs	Two comm bldgs
1968	2901-2953, vacant site 0 29th A/A	Four comm bldgs	Two comm bldgs
1974	2901-2953, parked vehicles 0 29th A/A	Four comm bldgs	Two comm bldgs
1982	2901-2953, parked vehicles 0 29th A/A	Four comm bldgs	Two comm bldgs
1993	2901-2953, parked vehicles 0 29th A/A Trailers/Harvey's RVs	Four comm bldgs	Two comm bldgs
1998	2901-2953, lots of storage 0 29th vacant	Four comm bldgs	Two comm bldgs
2005-2012	vacant and undeveloped	Four comm bldgs	Two comm bldgs
2016	A/A	One long comm bldg. gone, now parking lot	Two comm bldgs

A/A As above

Based on the aerial photographs, the Property was developed as follows.

2901 East 12th Street – Two small commercial buildings in 1939 and two small commercial buildings in 1946. In 1958 numerous parked vehicles, vacant in 1963-1968. Numerous parked vehicles from 1974-1998. Site vacant from 2006-2016.

0 29th Avenue – 2 rail lines from 1939-1993, vacant thereafter.

Historical City Directories

Historical Polk, and Haines Directories dated in 1953, 1961, 1967, 1973, 1978, 1983, 1989, 1995, 2000, 2005, 2010 and 2014 were reviewed at the Oakland Public Library. The following is a summary of the information obtained.

Date	2901 East 12th Street/0 29th Avenue **(Property)**	2933-2953 East 12th Street **(Property)**	3001-3005 East 12th Street
1953	BM Gordon Used Cars CW McBryde Used Cars	Guy's Drug Store Warehouse/GHN Neon	Authorized TV Service
1961	BM Gordon Used Cars	Guy's Drug Store Warehouse/GHN Neon	Richards Upholstery
1967	Jackson Goldie Ford Sales	vacant	Oliver's Lighting Fixtures
1973	Rydman's Vacation Trailers	Addresses not listed	Address not listed
1978	Rydman's Vacation Trailers	Addresses not listed	Address not listed
1983	Harv Rydman's Rentals	Addresses not listed	Address not listed
1989	Harv Rydman's Vacation Trailers/Harvey's RVs	Addresses not listed	United Industrial Products
1995	Harv Rydman's Vacation Trailers/Harvey's RVs	Addresses not listed	Occupant not listed
2000	Harv Rydman's Vacation Trailers/Harvey's RVs	Addresses not listed	Norris King
2005	Address not listed	Addresses not listed	Occupant not listed
2010	Address not listed	Addresses not listed	General Building Contractors
2014	Address not listed	Addresses not listed	Occupant not listed

4.2 Interview

ERAS did not receive an interview form completed for this site but an e-mail correspondence from Mr. Dean Najdawi, the owner, indicated all answers on the interview form are no. The owner did not know what the Property was previously used for, when they purchased the Property it was vacant and undeveloped.

Observations made by ERAS at the time of the site visit are compiled on ERAS Environmental Questionnaire and is included as **Appendix E**.

4.3 Building and Health Department File Review

City of Oakland Building Department

ERAS reviewed building department records for the 2901 East 12th portion of the Property on June 6, 2019. Building records were on microfilm and were mostly barely readable or unreadable. No building is known to have been present on the 0 29th Avenue part of the Property, based on historical research.

For 2901-2933 East 12th Street permits were on file to alter a present building (date unknown), for a garage addition, car storage and a sign for Vacation Trailers and Campers.

For 2949-2953 East 12th Street, the records included a permit to alter an existing warehouse for use as a warehouse and photo development (date unknown), and for repair of fire damage in 1940.

Alameda County Department of Environmental Health

ERAS requested records from the Alameda County Department of Environmental Health on May 28, 2019. The only information on file was a report of a Phase 2 subsurface investigation conducted at 2901 East 12th Street in 2002. See summary in next section.

4.4 Synopsis of Previous Environmental Investigations

0 29th Avenue

This area of the Property is located adjacent along the southwest side of the Property and previously contained two rail lines. Five borings were drilled in 2007 on the Property and adjacent site at 3001-3005 East 12th Street by TEC (2007). Three of the borings (B-3, B-4 and B-5) were drilled on the Property. Borings B-3 and B-5 appear to have been located on one of the former rail lines and Boring B-4 was located near the second rail line.

PCBs were detected in a sample collected at approximately 14 feet from one boring on the Property (B-4) below the commercial/industrial Environmental Screening Level (ESL).

ERAS drilled additional borings on 0 29th Avenue in 2017. Contamination was not detected in soil samples and soil gas samples contained only low concentrations of contaminants. The previous subsurface investigations at the Property indicated that no detectable contaminants above the commercial/industrial ESLs are present. No petroleum hydrocarbons or volatile organic compounds were detected. It appears that contamination of the Property is unlikely to have a complete exposure pathway for human or ecological receptors.

ERAS concluded the site has been adequately characterized. The Property is zoned commercial and no concentrations of the contaminants of concern (COCs) have been found to exceed the commercial ESLs. With the exception of nickel in the soil samples collected and chloroform in the soil gas samples collected all other COCs are also below the Tier 1 ESLs. The nickel concentrations are within background ranges and are considered not anthropogenic. No known source of the soil vapor concentrations of chloroform have been identified. Pertinent information from the investigations at the Property are included in **Appendix G**.

Based on a meeting with the ACDEH on June 28, 2019, the Property has not been sufficiently investigated for the proposed use as a high school. The ACDEH requested a workplan for additional subsurface investigation.

2901 East 12th Street

ERAS obtained a report of a Phase 2 subsurface investigation conducted by Phase One, Inc. (POI) in 2002. According to POI, at the time of the work the site consisted of approximately 0.5 acres of land that was occupied by a trailer and stored materials. The investigation was conducted because the site was previously the location of "gas & oil" facility, most likely associated with a former automotive dealership that occupied the site from at least 1946 until approximately 1959.

POI conducted a geophysical survey and drilled soil borings. The geophysical survey identified three areas of disturbed soil that may be indicative of excavations associated with the former locations of tanks, product lined and dispensers. The survey also identified a possible UST, the size of a 550-gallon UST.

POI drilled three soil borings, two through areas of disturbed soil, the third adjacent to the possible UST. Soil borings were drilled to depths of 16 feet and groundwater was encountered at depths of approximately 12-16 feet, but no groundwater samples were collected. Soil with petroleum odor and gray-green discoloration was reported in each boring at depths of 13-15 feet.

Soil samples from approximately 5, 10 and 15 feet were analyzed for gasoline and diesel hydrocarbons, benzene, toluene, ethylbenzene and xylenes and total lead. Contaminants were detected in all the samples from the borings. The highest concentrations of contamination were diesel hydrocarbons in the deeper samples (15 feet). The concentrations were 96-630 milligrams per kilogram (mg/Kg), above the Tier 1 ESL of 260 mg/Kg.

POI concluded further soil and groundwater sampling should be conducted to delineate the extent of contaminants detected. POI also recommended contacting the ACDEH to determine their requirements and also removing the possible UST that was identified. A copy of the Phase 2 report is included in **Appendix G**.

4.5 Environmental Liens

There was no indication that the Property was the site of any ongoing subsurface investigations or remedial activities related to any additional release of hazardous materials on the Property, therefore a search for environmental liens for the Property was not considered likely to add additional information for this assessment.

5.0 RECONNAISSANCE

Photographs were taken during the reconnaissance to document the features observed and any environmental conditions of concern. Photographs are included in **Appendix C**.

5.1 Visual Reconnaissance of the Property

ERAS conducted a visual reconnaissance of the Property on June 6, 2019 to identify potential indications of environmental concern. The items listed in this section, if any, are representative of those which could pose recognized environmental conditions as indicated in the ASTM standard for conducting environmental site assessments.

Drums, Containers, and Storage Tanks

The on-site reconnaissance addressed drums, above ground storage tanks, and other storage units containing materials, which may pose an environmental threat at the Property.

No such items were noted.

Evidence of Waste Disposal

The on-site reconnaissance addressed dumps, pits, ponds, landfills, borrow pits and lagoons, which may have been used for disposal purposes at the Property.

No such items were observed on the Property.

Surface Fill

The on-site reconnaissance did not reveal any evidence of surface fill.

Surface Staining and Stressed Vegetation

No surface staining or stressed vegetation was observed on the Property during the on-site reconnaissance.

Transformers

No electrical transformers were noted on the Property.

Air Stacks, Vents, and Odors

The on-site reconnaissance addressed air stacks, vents, and strong, pungent or noxious odors at the Property. No such items were noted.

Evidence of Underground or Aboveground Storage Tanks

No USTs or ASTs were observed on the Property.

Conduits to Groundwater

Groundwater production wells or dry wells were not discovered on the Property.

Evidence of Improper Waste Discharge

Pipes and/or vents, indicating improper discharge of wastes, were not found at the Property.

On-Site Environmental Management Practices

The on-site reconnaissance addressed the following environmental management practices.

Solid Waste

The Property is a vacant undeveloped lot, so no solid waste was being generated. Minor amounts of scattered common trash and garbage were on the Property.

Hazardous Materials and Waste

No hazardous materials or hazardous waste was observed.

Treatment Facilities

No indications of wastewater disposal or treatment facilities were observed at the Property during the on-site reconnaissance.

Application of Pesticides, Herbicides or Fertilizers

No evidence of the application of pesticides, herbicides, or fertilizers was indicated during the on-site reconnaissance.

General Environmental Practices

No indications of adverse environmental practices were observed on the Property during the on-site reconnaissance.

5.2 Adjacent and Nearby Site Uses

The following observations were made of parcels adjacent to the Property:

Northeast	East 12th Street with an elevated section of BART line runs along the middle of the street. Across the street was a large property occupied by Goodwill Industries at 2925 East 12th Street
Northwest	29th Avenue and across the street was Self Storage at 2783 East 12th Street
Southwest	EPIC charter school at 1045 Derby Street (formerly 1112 29th Avenue)
Southeast	Commercial buildings at 3005 East 12th Street and 3031 East 12th Street

6.0 CONCLUSIONS AND RECOMMENDATIONS

6.1 Conclusions

ERAS has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-13 for the Property. Any exceptions to, or deletions from this Practice are described in the report.

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of this part.

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

Data failures occurred for this assessment from 1897 to 1911 and 1911 to 1946. The Property was vacant and undeveloped from prior to 1897 and fully developed by 1946. Based on the known uses of the Property the data gaps are not considered likely to affect the conclusions of this assessment.

Site Visit

An ERAS representative visited the Property on June 6, 2019. The Property was in an area of commercial land uses along East 12th Street in the Fruitvale District of west Oakland. The Property was bounded on the northeast by East 12th Street and three commercial buildings along East 12th Street at 3001, 3007 and 3031 East 12th Street. An elevated section of BART line runs along the middle of East 12th Street. Across the street was a large property occupied by Goodwill Industries at 1301 30th Avenue. To the northwest was 29th Avenue and across the street was a Self-Storage facility at 2783 East 12th Street. To the southwest was a large commercial building occupied by EPICS Charter School at 1045 Derby Avenue.

The Property was bounded on the street sides (southeast, northeast and northwest) by mostly chain link fencing. Double gates were located near the corner of the Property on the 29th Avenue side, two other locked gates were located along East 12th Street. Another gate from Derby Avenue provided access to the Property at the southeast end.

The Property was undeveloped vacant land. An area near the eastern corner was paved with concrete (likely a former building pad), and another area of pavement near the southeast end adjacent to Derby Avenue was paved with concrete. Otherwise the surface of the Property was mostly gravel with some dirt and was overgrown with weeds at the time of the site visit. Other than pavement, there were no improvements except for a round concrete pedestal foundation that may have been a light or sign foundation near the northwest end of the Property.

Septic systems, drywells, sumps, pits or monitoring wells were not observed on the Property by ERAS. No evidence of aboveground storage tanks (ASTs) or underground storage tanks (USTs) was observed on the Property by ERAS. No evidence of leakage, spillage or dumping of regulated material was observed on the Property by ERAS.

Historical Uses

The southwestern portion of the Property (0 29th Avenue) was developed with two rail lines prior to 1897 until between 1987 and 1993 and has been undeveloped since that time.

The northeastern portion (2901-2953 East 12th Avenue) was undeveloped in 1897 until after 1915.

In 1946 the northwest corner of the Property (2901 East 12th Street) contained a gasoline station; this was removed between 1951 and 1958. From 1953 to through 1967 this portion of the Property was used for used car sales, and then for vacation trailers and recreational vehicles from 1973 to 2000.

To the south of the former gas station was a small commercial building at 2915-2917 East 12th Street that was used as a machine shop and metal stamping facility in 1950 , this area was vacant or used for vehicle storage contiguous with 2901 East 12th Street until 1965 and was vacant thereafter.

A large commercial building at 2931-2953 East 12th Street was present in 1951 and was removed by 1967. Known occupants of this building were a drug store warehouse, neon sign manufacturer, office and garage and for storage.

The Property has been in its current state (vacant and undeveloped) since 2002.

Database Review

The Property was listed under the address 2901 East 12th Street as Former Gas Station as an Open-Active site. The Property was also listed under the address 0 29th Avenue under the name Pacific Thomas Corp. with the status Open-Site Assessment. The ACDEH has requested workplans to summarize proposed work on each of these sites.

An up-gradient fuel leak (LUST) case at 1301 30th Avenue was identified as a closed fuel leak (LUST) case. A site adjacent to the southwest at 1112 29th Avenue is listed as a closed LUST case and also as an Open-Site Assessment case under the name Former Caltrans Maintenance Station. Based on review of file information, neither of these sites is considered to pose a threat to subsurface environmental conditions under the Property.

Based on locations and distance, none of the other identified sites are considered to pose a threat to subsurface environmental conditions under the Property.

Recognized Environmental Conditions

The following recognized environmental conditions (REC), controlled recognized environmental condition (CREC), historical recognized environmental conditions (HREC), and de minimis conditions were identified:

The former existence of a gasoline station on the northwestern end of the Property is a REC. Subsurface investigation was conducted in 2002 that detected soil contamination. It was recommended additional investigation be conducted. In addition, the southwestern portion of the Property at 0 29th Avenue is also listed as an Open case with the ACDEH, this is a REC.

No CREC, HREC or de minimis conditions were identified.

6.2 Recommendations

A gasoline service station operating on part of the Property (2901 East 12th Street) from prior to 1946 until prior to 1958 and preliminary investigation in 2002 indicated the presence of contamination. Other historical uses of the Property including machining and auto repair could have caused an impact to subsurface environmental conditions. In addition, the ACDEH has requested additional investigation at 0 29th Avenue due to the proposed redevelopment of the Property to construct a school.

ERAS recommends completion of workplans for each portion of the Property summarizing proposed additional subsurface investigation.

7.0 REFERENCES AND APPENDICES

Maps, Aerial Photographs, and Other Geographic References

The United States Geological Survey Oakland East and Concord Topographic Maps dated 1897, 1915, 1941, 1947, 1949, 1959, 1968, 1973, and 1980 reviewed online at http://www.historicaerials.com/.

Historical Aerial Photographs which included the Property dated 1939, 1946, 1958, 1963, 1968, 1974, 1982, 1993, 1998, 2005, 2009, 2012, 2016 provided by EDR, June 24, 2019.

Historical Sanborn Fire Insurance maps dated 1911, 1950, 1952, 1953, 1957, 1959, 1960, 1964, 1965, 1967, 1979 provided by EDR, June 21, 2019.

Polk and Haines City Directories dated 1953, 1961, 1967, 1973, 1978, 1983, 1989, 1995, 2000, 2005, 2010 and 2014 reviewed at the City of Oakland Main Public Library.

Published References

Alameda County Department of Environmental Health, Remedial Action Completion Certification, Caltrans South Oakland Maintenance Station, 1112 29th Avenue, Oakland, CA 94601, July 25, 2011.

Alameda County Department of Environmental Health, Remedial Action Completion Certification, Goodwill Industries, 1301 Thirtieth Avenue, Oakland, CA 94601, February 5, 1996.

California Regional Water Quality Control Board, Water Quality Control Plan, San Francisco Bay Basin Region (2), December 1986.

ERIS Database Report, 2901 East 12th Street, Oakland, CA 94601, May 28, 2019.

ERAS Environmental, Inc., Limited Phase II Subsurface Investigation at 0 29th Avenue, Oakland, California, July 21, 2017.

Geocon Consultants, Inc., Air Monitoring Report, Former South Oakland Maintenance Station, 1112 29th Avenue, Oakland, California, September 26, 2018.

Goldman, Harold B., Geology of San Francisco Bay prepared for San Francisco Bay Conservation and Development Commission, February 1967.

Helley, E.J., La Joie, K.R., Spangle, W.E., and Blair, M.L., Flatland Deposits of the San Francisco Bay Region, California - their geology and engineering properties and their importance to comprehensive planning, U.S. Geological Survey Professional Paper 943, 1974.

Phase One, Inc., Phase II Environmental Site Assessment for Harvey Rydman and Commonwealth Companies, 2901 East 12th Street, Oakland, California, August 2002.

Tec Accutite (TEC), Limited Subsurface Investigation Report, 3001-3015 East 12th Street, Oakland, California, 94601, June 22, 2007.

Records Review, Interviews, and Agency Contacts

City of Oakland Building Department records review, June 6, 2019.

Alameda County Environmental Health Department records review request, May 29, 2019.

APPENDIX A

ENVIRONMENTAL PROFESSIONALS RESUME

David Siegel

David Siegel is president of ERAS Environmental, Inc., an environmental consulting company formed in October 1998. Prior to that, Mr. Siegel was principle of Siegel Environmental Consulting Services, formed in February 1994, an environmental consulting company providing due diligence services, geological and hydrogeological research, Phase 2 field services such as groundwater well installation and sampling, waste disposal, project management and remediation planning and permitting.

Before involvement with management of these environmental consulting firms, Mr. Siegel was a Project Hydrogeologist, Project Geologist, and Staff Geologist with three San Francisco Bay Area environmental consulting companies from 1987 to 1998. Mr. Siegel holds a master's degree in geology from California State University East Bay and was a State of California Registered Environmental Assessor II.

QUALIFICATIONS

Experience since 1987 in hazardous materials consulting including due diligence projects, soil and groundwater investigations and remediation, and asbestos surveying. Strong organizational background in project management including budget development and management and client contact and service. Strong technical background in groundwater well design and installation, soil and groundwater chemical data evaluation and hydrogeological assessment. Inspection experience with thousands of commercial sites including retail, office, industrial and residential. Experience providing management, business development, technical oversight, client contact and regulatory agency negotiation and interaction for environmental case closures.

WORK HISTORY

1994-Present: ***President of ERAS Environmental, Inc. and Principle of Siegel Environmental***
Management and completion of due diligence projects for a wide variety of commercial properties throughout California. Management and completion of Phase 2 soil and groundwater and asbestos sampling projects at former and operating gasoline stations and industrial facilities. Responsible for project initiation, planning, report preparation and technical oversight. Responsible for business development, client contact and local and state regulatory agency compliance for ongoing investigation, cost recovery and case closures.

1987-1994: ***Project Hydrogeologist (McCulley, Frick & Gilman, San Francisco; 1992-1994), Project Manager (Converse Environmental, San Francisco; 1989-1992), Project Manager (Exceltech, Inc., Fremont; 1987-1989)***
Management and completion of environmental and geotechnical investigations involving soil and groundwater contamination. Responsible for project planning, budgeting and operation, professional staff supervision and report completion. Interface with engineers for site remediation planning.

EDUCATION AND LICENCES

1995 to Present - EPA Certified Asbestos Building Inspector

1990 to 2012 - California Registered Environmental Assessor II

1988 - M.S. Geological Sciences, California State University, East Bay

Andrew Savage

Andrew Savage is a Project Geologist for ERAS Environmental, Inc. Prior to joining ERAS, Mr. Savage was a Geologic Intern at Chevron and a Biological Aide for the Bureau of Reclamations. Mr. Savage holds a Bachelors of Science in Geology from California State University in Chico.

QUALIFICATIONS

Involved in environmental consulting since 2003. Strong technical background in investigative methods, geological and hydrogeological assessment, installation and development of numerous types of monitoring and remediation wells, and data interpretation and evaluation. Proficient in borehole logging, field methods, data collection, and design of subsurface hydrogeological investigations.

Project experience in hazardous material facility closure, soil and groundwater assessment, delineation, monitoring, and remediation, soil gas studies, health and safety plan preparation, permitting, work plan preparation, offsite right of entry issues, and regulatory contact and negotiation for investigations and remediation.

WORK HISTORY

2003-Present: ***Project Geologist for ERAS Environmental, Inc., Hayward, California***

Managed and conducted Phase 1 Environmental Site Assessments, Transaction Screens and Phase 2 Assessments for commercial properties throughout Northern California. Management and completion of Phase 2 soil and groundwater sampling projects at former and operating gasoline stations and industrial facilities. Responsible for project initiation, planning, report preparation and technical oversight.

2001-2002: ***Biological Aid for the Bureau of Reclamations, Red Bluff, California***

Provided field services for the collection of data.

2001-2003: ***Geological Intern for Chevron, San Ramon, California***

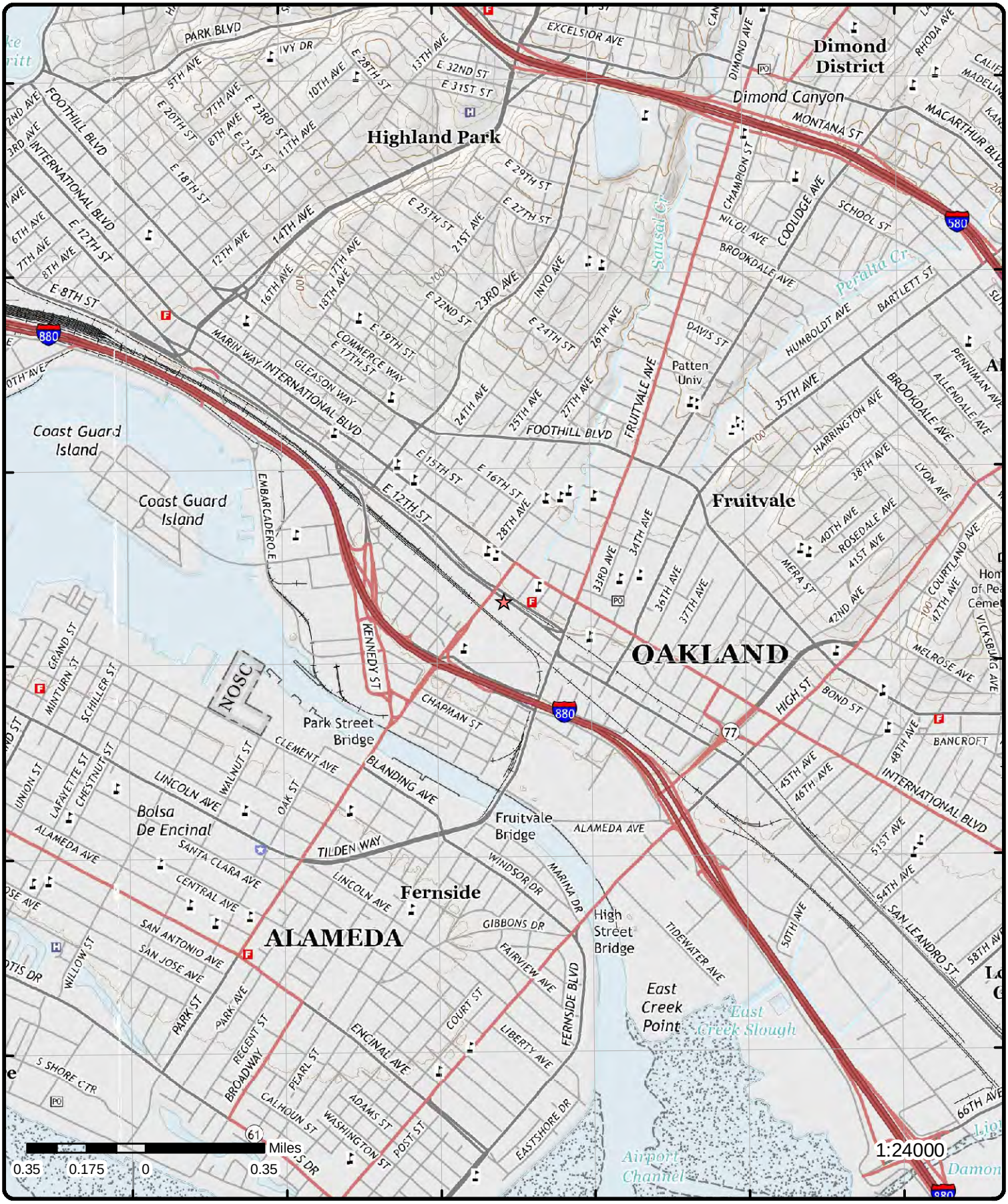
Was in charge of managing geologic research information including well logs and reports. Duties also involved working closely with geologists and assisting them with research and gathering data.

EDUCATION AND LICENCES

- ◊ 2002 B.S. Geological Sciences, California State University, Chico
- ◊ 2002 Hazwoper Certification, California State University, Chico
- ◊ 2003-2009 Hazwoper Certification Refresher Courses
- ◊ 2009 Self Performance Self Assessment Training (SPSA)

APPENDIX B

LOCATION AND SITE MAPS



Topographic Map (2015)

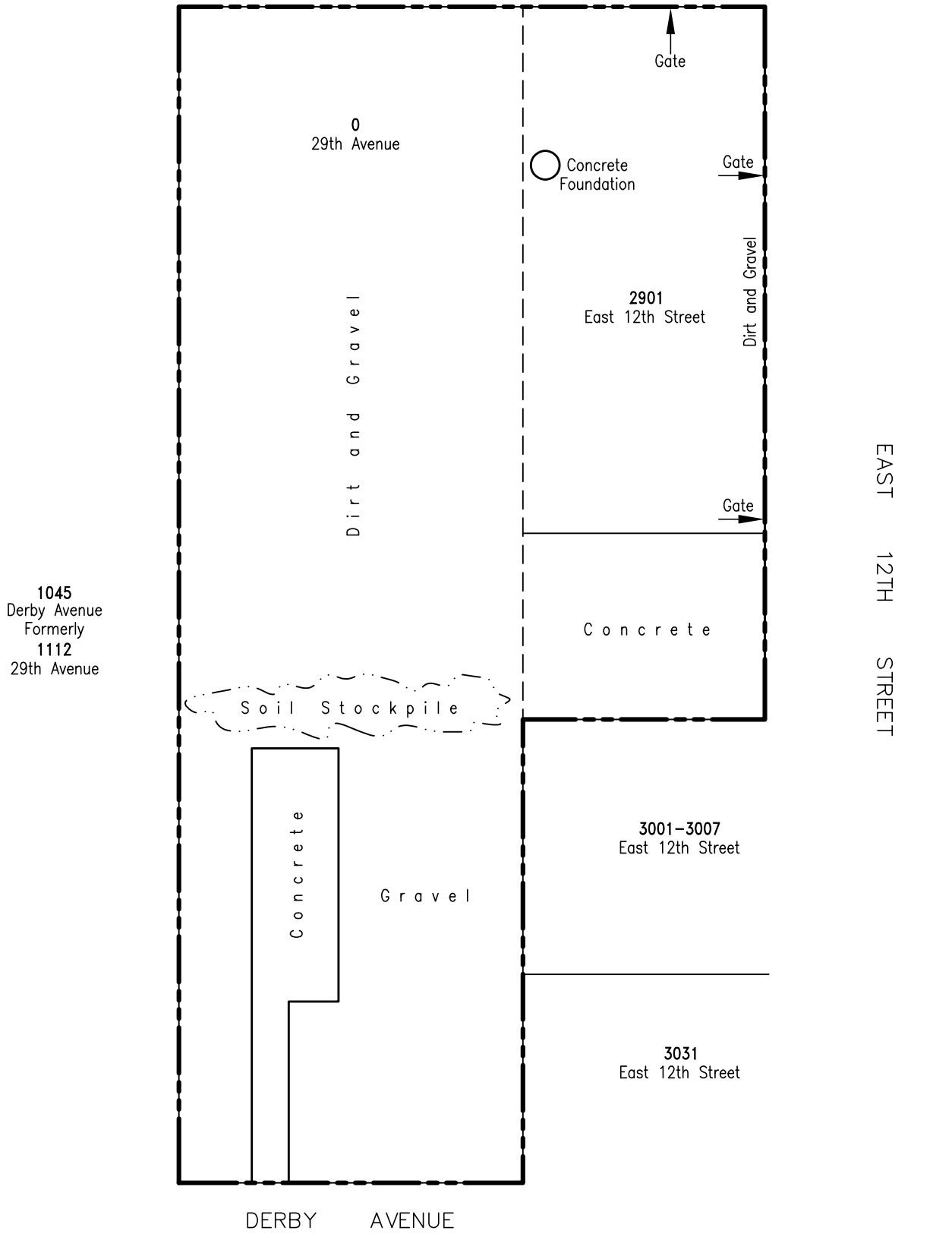
Order No: 20190527022

Address: 2901 East 12th Street, Oakland, CA, 94601

Quadrangle(s): Oakland West, CA; Oakland East, CA;

Source: USGS Topographic Map

© ERIS Information Inc.



PROPERTY SITE PLAN FIGURE 2

Project No. 19056A
2901 East 12th Street/0 29th Avenue
Oakland, California

July, 2019
Not to Scale

ERAS Environmental

Figure 3
Aerial Site Plan
0 29th Ave., Oakland
ERAS project #16-004

100 feet

APPENDIX C

PROPERTY PHOTOGRAPHS

Photograph 1 - View along East 12th Street side of Property

Photograph 2 - View along 29th Avenue side of Property

Photograph 3 - Property viewed northwest from near southeast end

Photograph 4 - Property viewed southeast from near northwest end

Photograph 5 - Foundation in overgrown northwest end

Photograph 6 - View to southwest across middle of Property

Photograph 7 - View along southwest side of the Property

Photograph 8 - View of southeast end of Property toward Derby Avenue

Photograph 9 - View to northwest with view of soil stockpile across middle

APPENDIX D

EDR AND ERIS DATABASE REPORTS

Latitude Development Prospect Property

2901 East 12th Street

Oakland, CA 94601

Inquiry Number: 5695644.5

June 24, 2019

The EDR Aerial Photo Decade Package

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

EDR Aerial Photo Decade Package

06/24/19

Site Name:

Latitude Development Prospec
2901 East 12th Street
Oakland, CA 94601
EDR Inquiry # 5695644.5

Client Name:

Amicus
580 Second Street
Oakland, CA 94607
Contact: Markus Niebanck

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	*Scale*	*Details*	*Source*
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
1998	1"=500'	Flight Date: September 06, 1998	USDA
1993	1"=500'	Acquisition Date: July 10, 1993	USGS/DOQQ
1982	1"=500'	Flight Date: July 05, 1982	USDA
1974	1"=500'	Flight Date: October 14, 1974	USGS
1968	1"=500'	Flight Date: April 20, 1968	USGS
1963	1"=500'	Flight Date: June 24, 1963	EDR Proprietary Aerial Viewpoint
1958	1"=500'	Flight Date: July 25, 1958	USGS
1946	1"=500'	Flight Date: July 26, 1946	USGS
1939	1"=500'	Flight Date: August 02, 1939	USDA

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

Disclaimer - Copyright and Trademark Notice

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

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

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

INQUIRY #: 5695644.5
YEAR: 2016
= 500'
N
EDR

INQUIRY #: 5695644.5
YEAR: 2012
= 500'
N
EDR

INQUIRY #: 5695644.5

YEAR: 2009

= 500'

N

EDR

INQUIRY #: 5695644.5
YEAR: 2005
= 500'
N
EDR

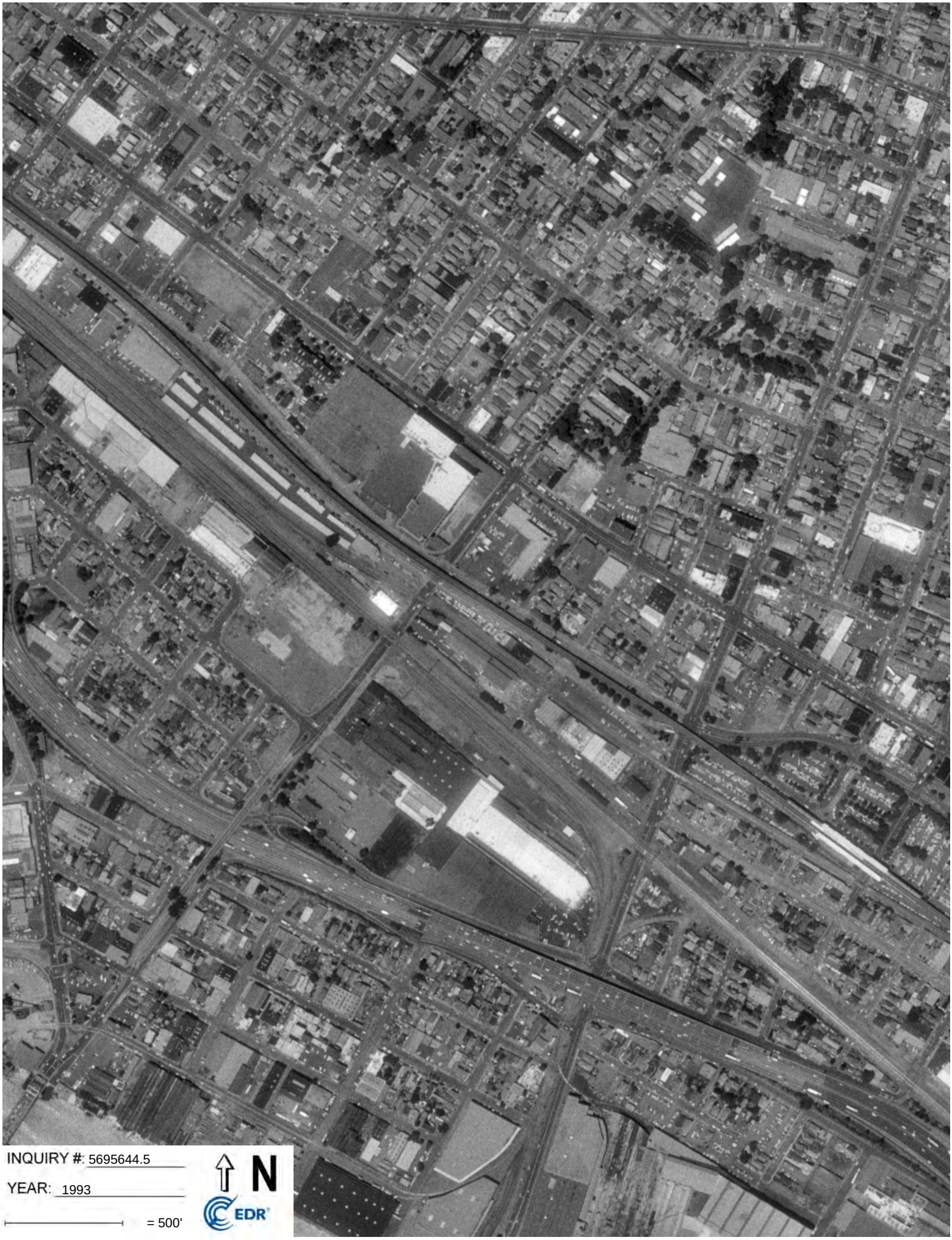
INQUIRY #: 5695644.5

YEAR: 1998

= 500'

N

EDR



INQUIRY #: 5695644.5

YEAR: 1993

= 500'

N

EDR

INQUIRY #: 5695644.5
YEAR: 1982
= 500'
N
EDR

INQUIRY #: 5695644.5
YEAR: 1974
= 500'
N
EDR

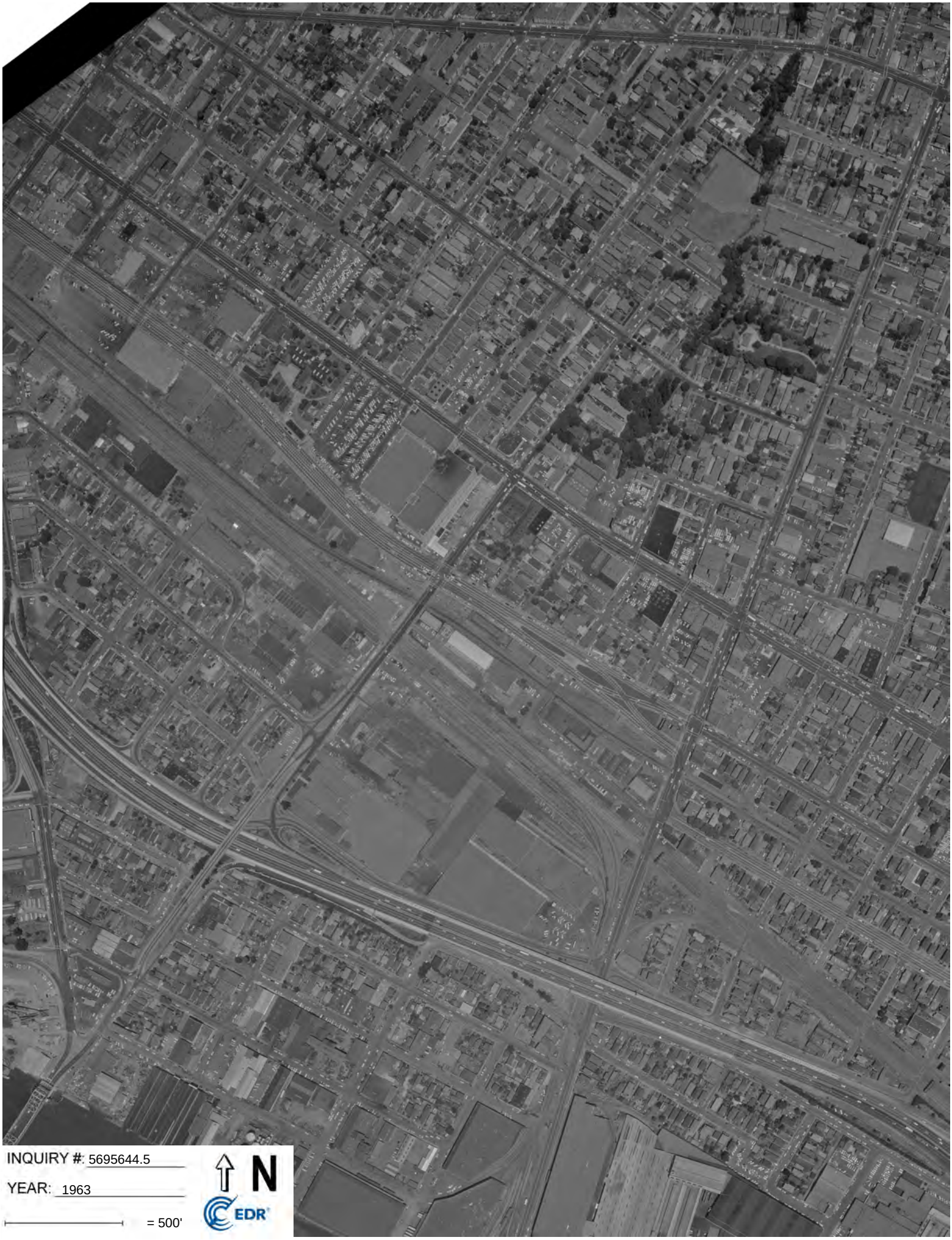
INQUIRY #: 5695644.5

YEAR: 1968

= 500'

N

EDR



INQUIRY #: 5695644.5

YEAR: 1963

= 500'

N

EDR

INQUIRY #: 5695644.5

YEAR: 1958

= 500'

N

EDR

INQUIRY #: 5695644.5

YEAR: 1946

= 500'

N

EDR

INQUIRY #: 5695644.5
YEAR: 1939
= 500'
N
EDR

Latitude Development Prospect Property

2901 East 12th Street

Oakland, CA 94601

Inquiry Number: 5695644.3

June 21, 2019

Certified Sanborn® Map Report

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

Certified Sanborn® Map Report

06/21/19

Site Name:	Client Name:
Latitude Development Prospec	Amicus
2901 East 12th Street	580 Second Street
Oakland, CA 94601	Oakland, CA 94607
EDR Inquiry # 5695644.3	Contact: Markus Niebanck

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Amicus were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 03C6-44A5-977A

PO # NA

Project Latitude

Maps Provided:

1969	1952
1967	1950
1965	1911
1964	1903
1960	
1959	
1957	
1953	

Sanborn® Library search results

Certification #: 03C6-44A5-977A

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ✔ Library of Congress
- ✔ University Publications of America
- ✔ EDR Private Collection

The Sanborn Library LLC Since 1866™

Limited Permission To Make Copies

Amicus (the client) is permitted to make up to FIVE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

Disclaimer - Copyright and Trademark Notice

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

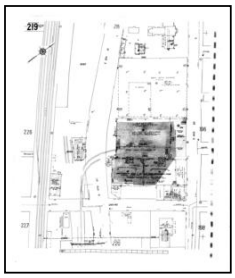
Copyright 2019 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

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

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

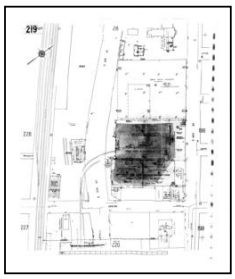
1969 Source Sheets


Volume 2, Sheet 219
1969

Volume 2, Sheet 220
1969

Volume 2, Sheet 227
1969

1967 Source Sheets


Volume 2, Sheet 219
1967

Volume 2, Sheet 220
1967

Volume 2, Sheet 227
1967

1965 Source Sheets

Volume 2, Sheet 219
1965

Volume 2, Sheet 220
1965

Volume 2, Sheet 226
1965

Volume 2, Sheet 227
1965

1964 Source Sheets

Volume 2, Sheet 219
1964

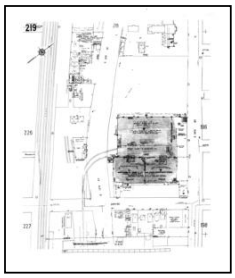
Volume 2, Sheet 220
1964

Volume 2, Sheet 227
1964

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

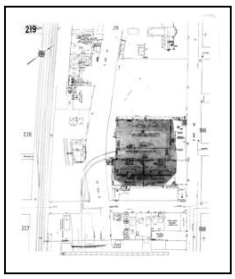
1960 Source Sheets


Volume 2, Sheet 219
1960

Volume 2, Sheet 220
1960

Volume 2, Sheet 227
1960

1959 Source Sheets


Volume 2, Sheet 219
1959

Volume 2, Sheet 220
1959

Volume 2, Sheet 227
1959

1957 Source Sheets

Volume 2, Sheet 219
1957

Volume 2, Sheet 220
1957

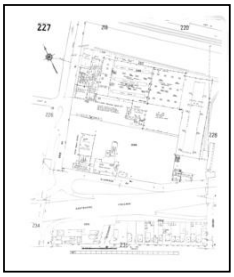
Volume 2, Sheet 227
1957

1953 Source Sheets

Volume 2, Sheet 219
1953

Volume 2, Sheet 220
1953

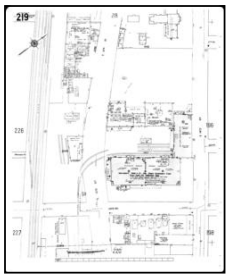
Volume 2, Sheet 226
1953

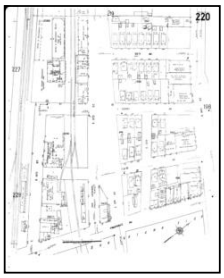

Volume 2, Sheet 227
1953

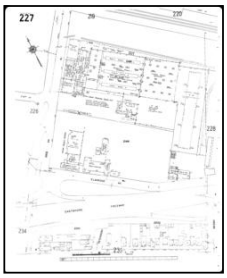
Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

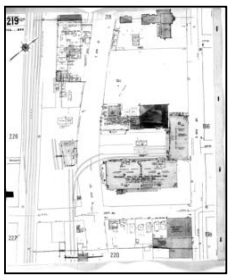
1952 Source Sheets


Volume 2, Sheet 219
1952


Volume 2, Sheet 220
1952

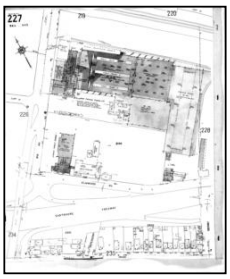

Volume 2, Sheet 227
1952

1950 Source Sheets

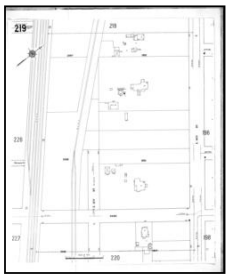

Volume 2, Sheet 219
1950

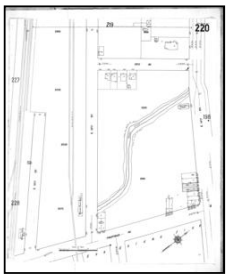
Volume 2, Sheet 220
1950

Volume 2, Sheet 226
1950


Volume 2, Sheet 227
1950

1911 Source Sheets


Volume 2, Sheet 219
1911


Volume 2, Sheet 220
1911

Volume 2, Sheet 226
1911

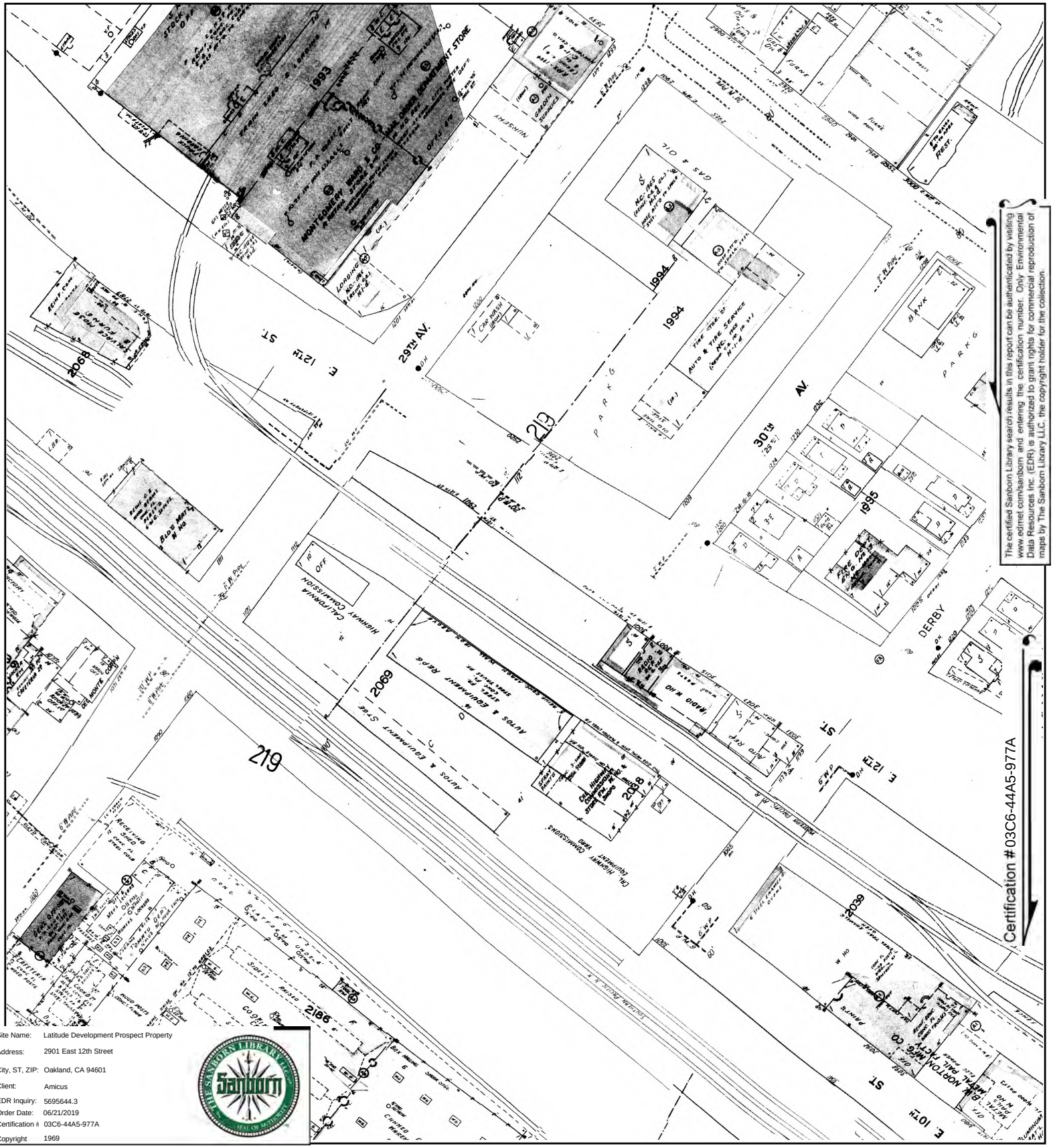
Volume 2, Sheet 227
1911

1903 Source Sheets

Volume 2, Sheet 245
1903

Certified Sanborn® Map

1969

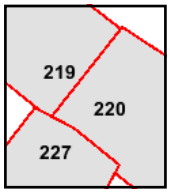


The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Site Name:	Latitude Development Prospect Property
Address:	2901 East 12th Street
City, ST, ZIP:	Oakland, CA 94601
Client:	Amicus
EDR Inquiry:	5695644.3
Order Date:	06/21/2019
Certification #	03C6-44A5-977A
Copyright	1969

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600

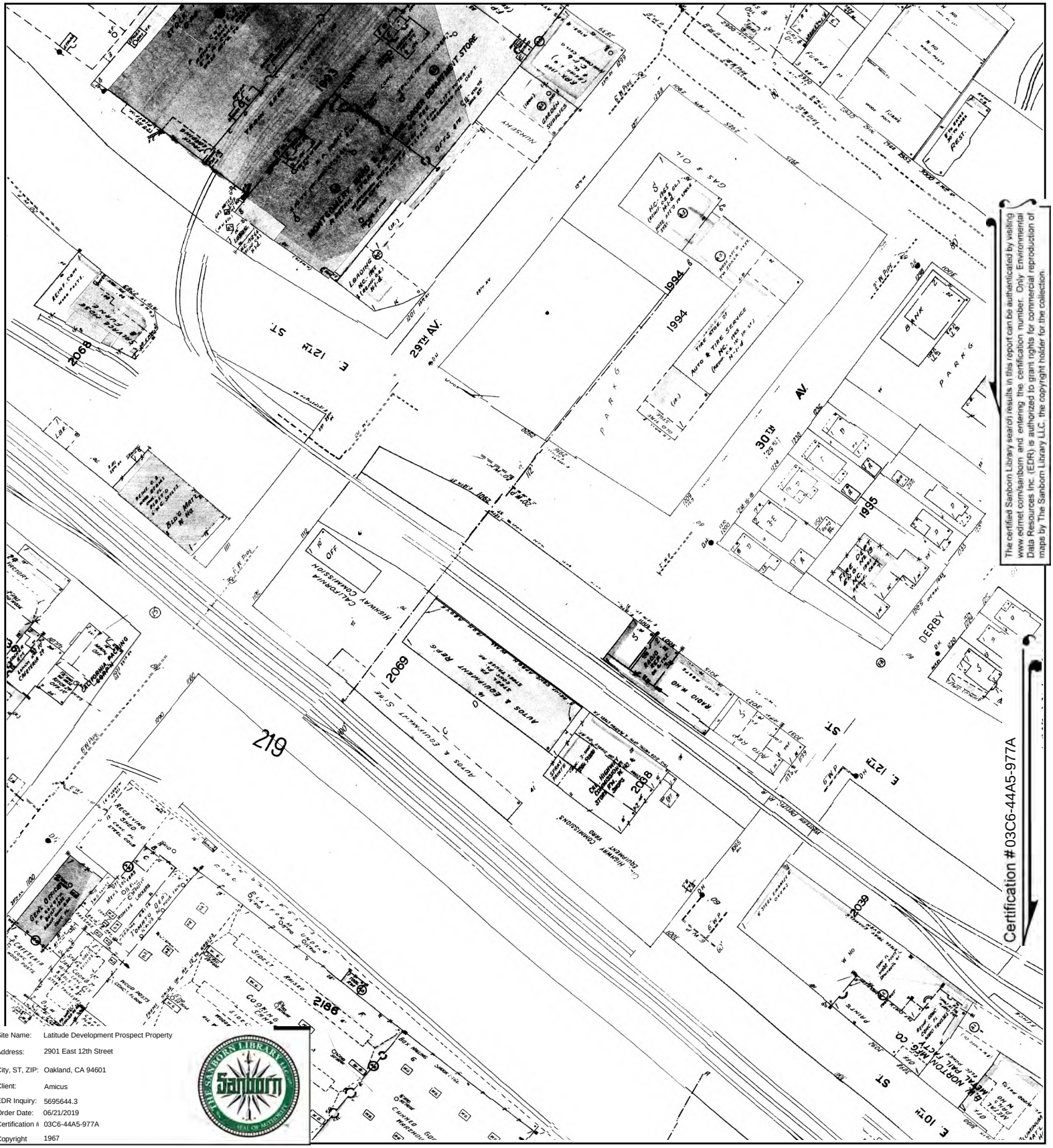


Volume 2, Sheet 227
Volume 2, Sheet 220
Volume 2, Sheet 219

N

Certified Sanborn® Map

1967

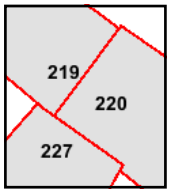


The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Site Name:	Latitude Development Prospect Property
Address:	2901 East 12th Street
City, ST, ZIP:	Oakland, CA 94601
Client:	Amicus
EDR Inquiry:	5695644.3
Order Date:	06/21/2019
Certification #	03C6-44A5-977A
Copyright	1967

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600

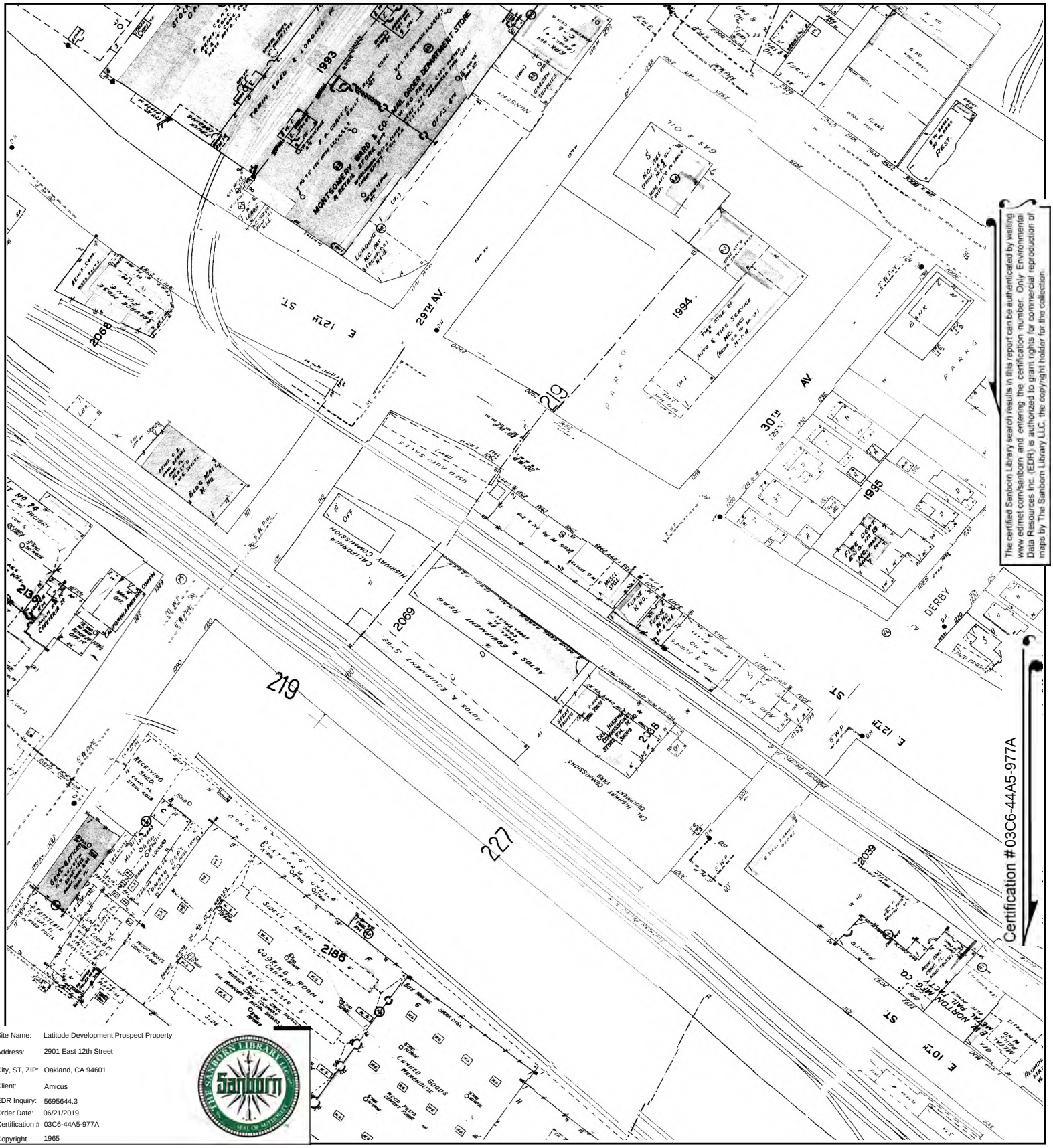


Volume 2, Sheet 227
Volume 2, Sheet 220
Volume 2, Sheet 219

N

Certified Sanborn® Map

1965

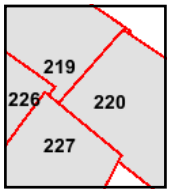


The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Site Name:	Latitude Development Prospect Property
Address:	2901 East 12th Street
City, ST, ZIP:	Oakland, CA 94601
Client:	Amicus
EDR Inquiry:	5695644.3
Order Date:	06/21/2019
Certification #	03C6-44A5-977A
Copyright	1965

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600

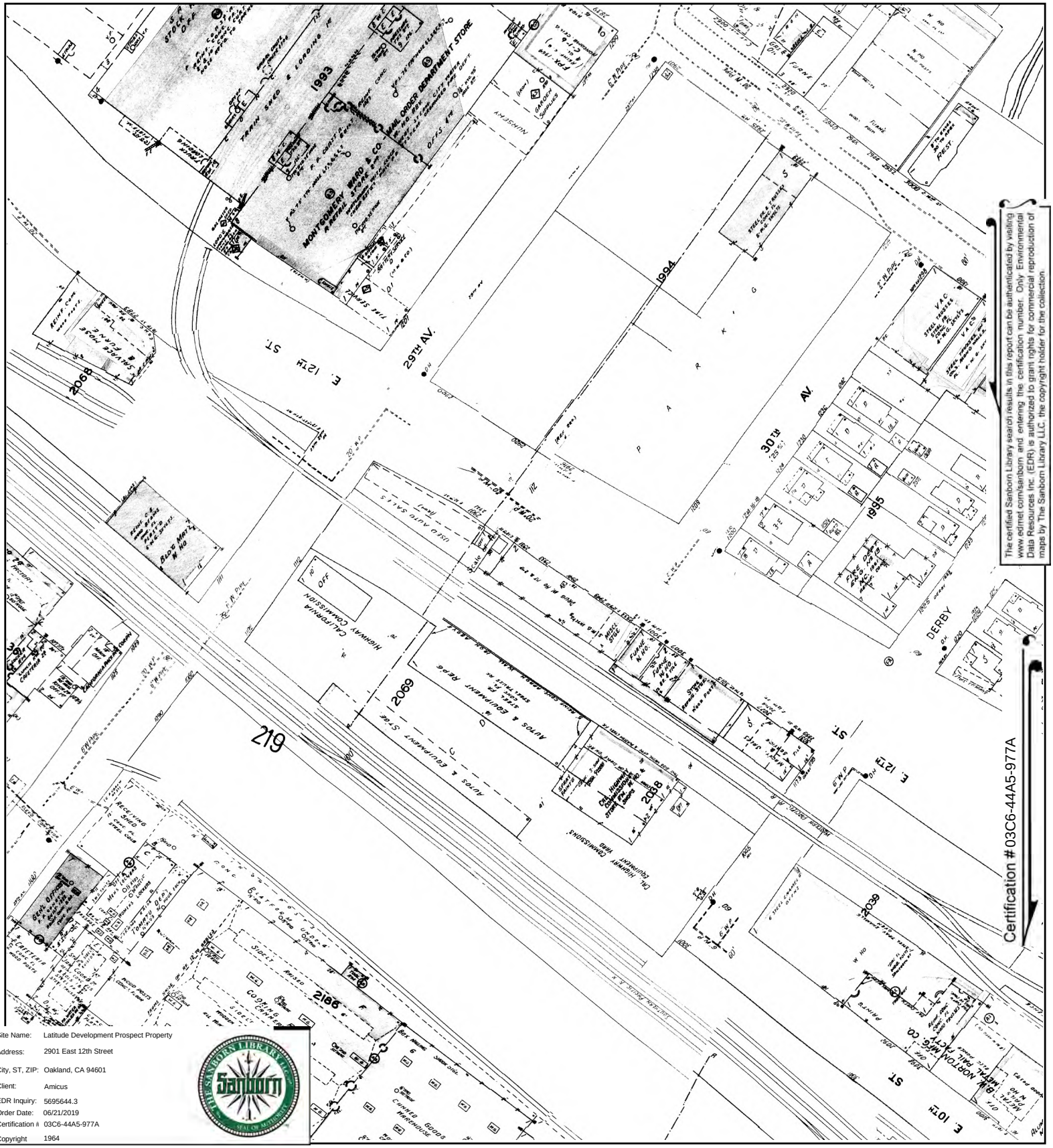


Volume 2, Sheet 227
Volume 2, Sheet 226
Volume 2, Sheet 220
Volume 2, Sheet 219

N

Certified Sanborn® Map

1964

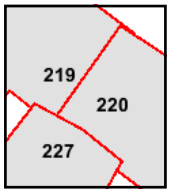


The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Site Name:	Latitude Development Prospect Property
Address:	2901 East 12th Street
City, ST, ZIP:	Oakland, CA 94601
Client:	Amicus
EDR Inquiry:	5695644.3
Order Date:	06/21/2019
Certification #	03C6-44A5-977A
Copyright	1964

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600

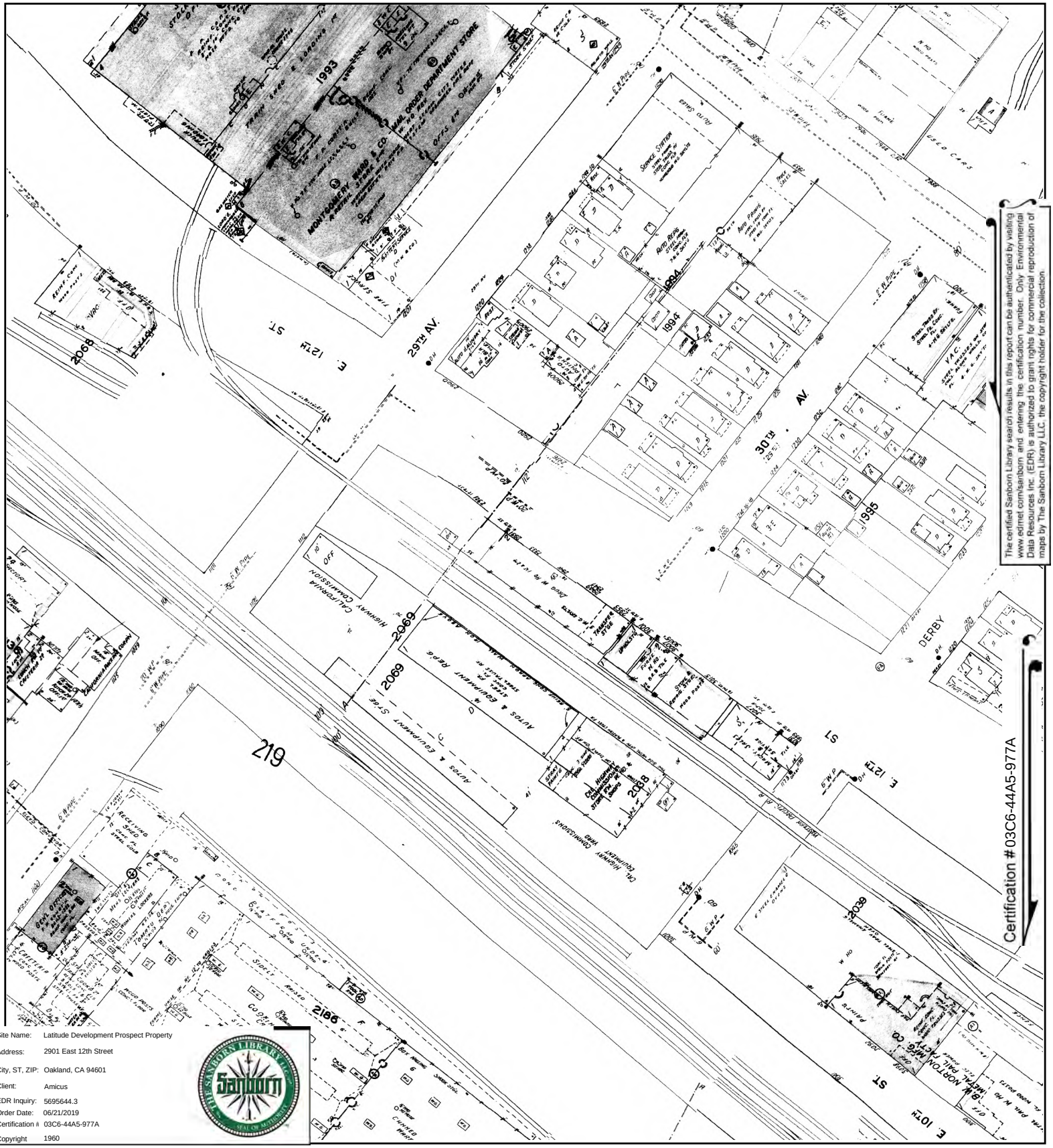


Volume 2, Sheet 227
Volume 2, Sheet 220
Volume 2, Sheet 219

N

Certified Sanborn® Map

1960

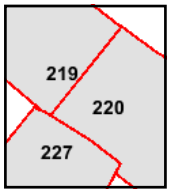


The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Site Name:	Latitude Development Prospect Property
Address:	2901 East 12th Street
City, ST, ZIP:	Oakland, CA 94601
Client:	Amicus
EDR Inquiry:	5695644.3
Order Date:	06/21/2019
Certification #	03C6-44A5-977A
Copyright	1960

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600

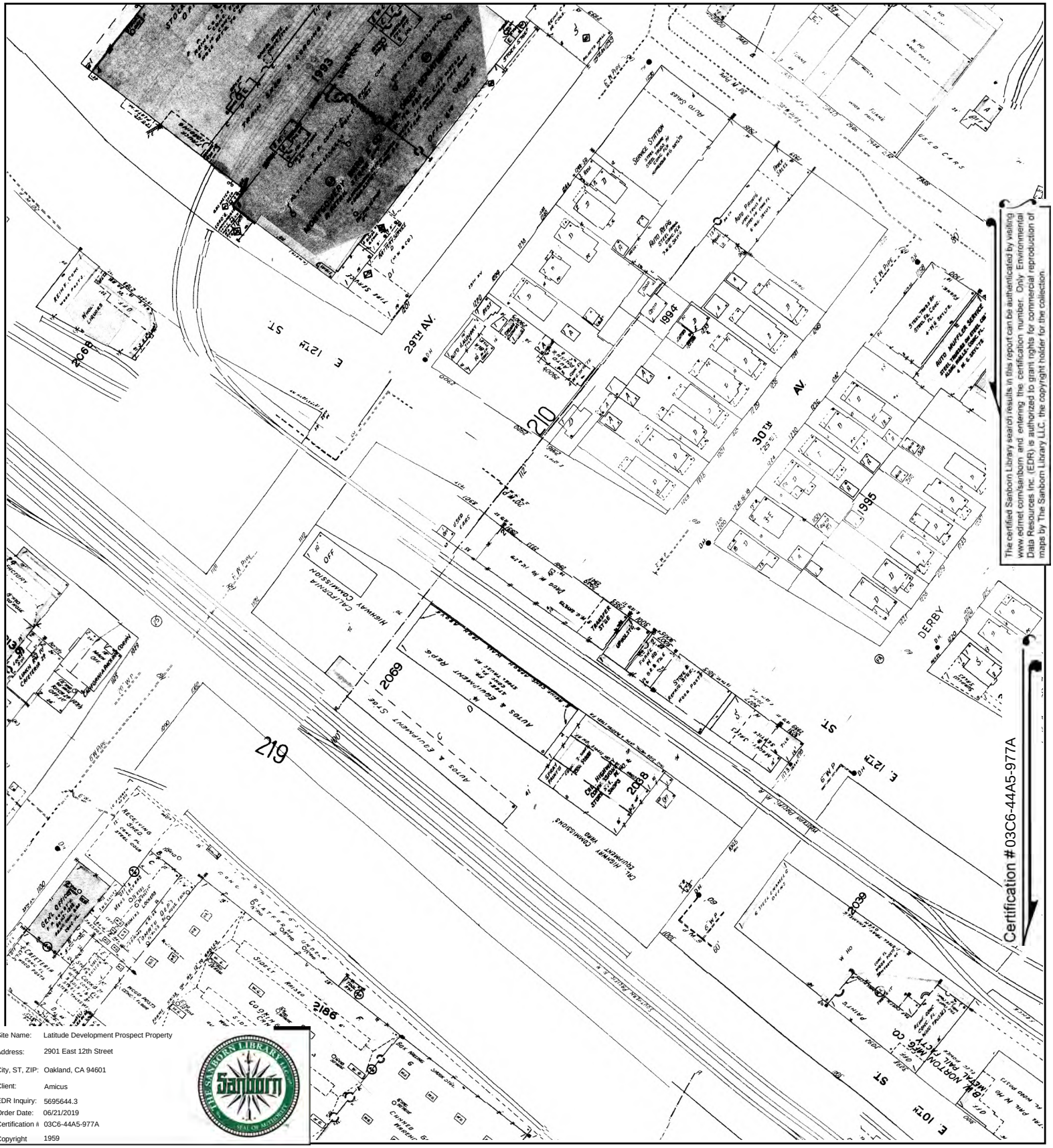


Volume 2, Sheet 227
Volume 2, Sheet 220
Volume 2, Sheet 219

N

Certified Sanborn® Map

1959

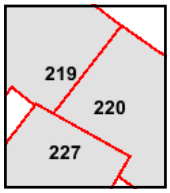


The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Site Name:	Latitude Development Prospect Property
Address:	2901 East 12th Street
City, ST, ZIP:	Oakland, CA 94601
Client:	Amicus
EDR Inquiry:	5695644.3
Order Date:	06/21/2019
Certification #	03C6-44A5-977A
Copyright	1959

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600

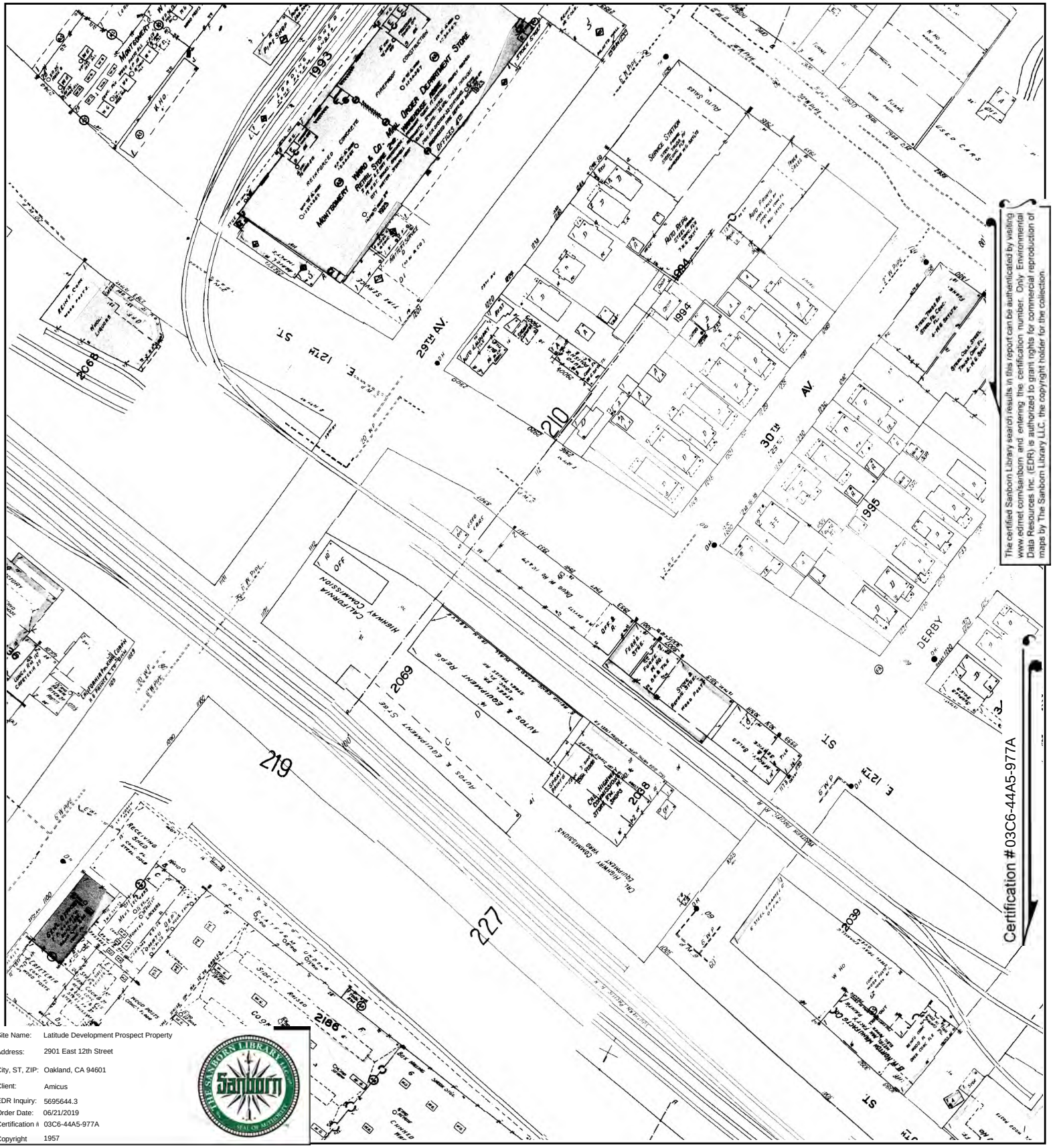


Volume 2, Sheet 227
Volume 2, Sheet 220
Volume 2, Sheet 219

N

Certified Sanborn® Map

1957

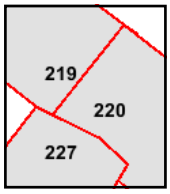


The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Site Name:	Latitude Development Prospect Property
Address:	2901 East 12th Street
City, ST, ZIP:	Oakland, CA 94601
Client:	Amicus
EDR Inquiry:	5695644.3
Order Date:	06/21/2019
Certification #	03C6-44A5-977A
Copyright	1957

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600

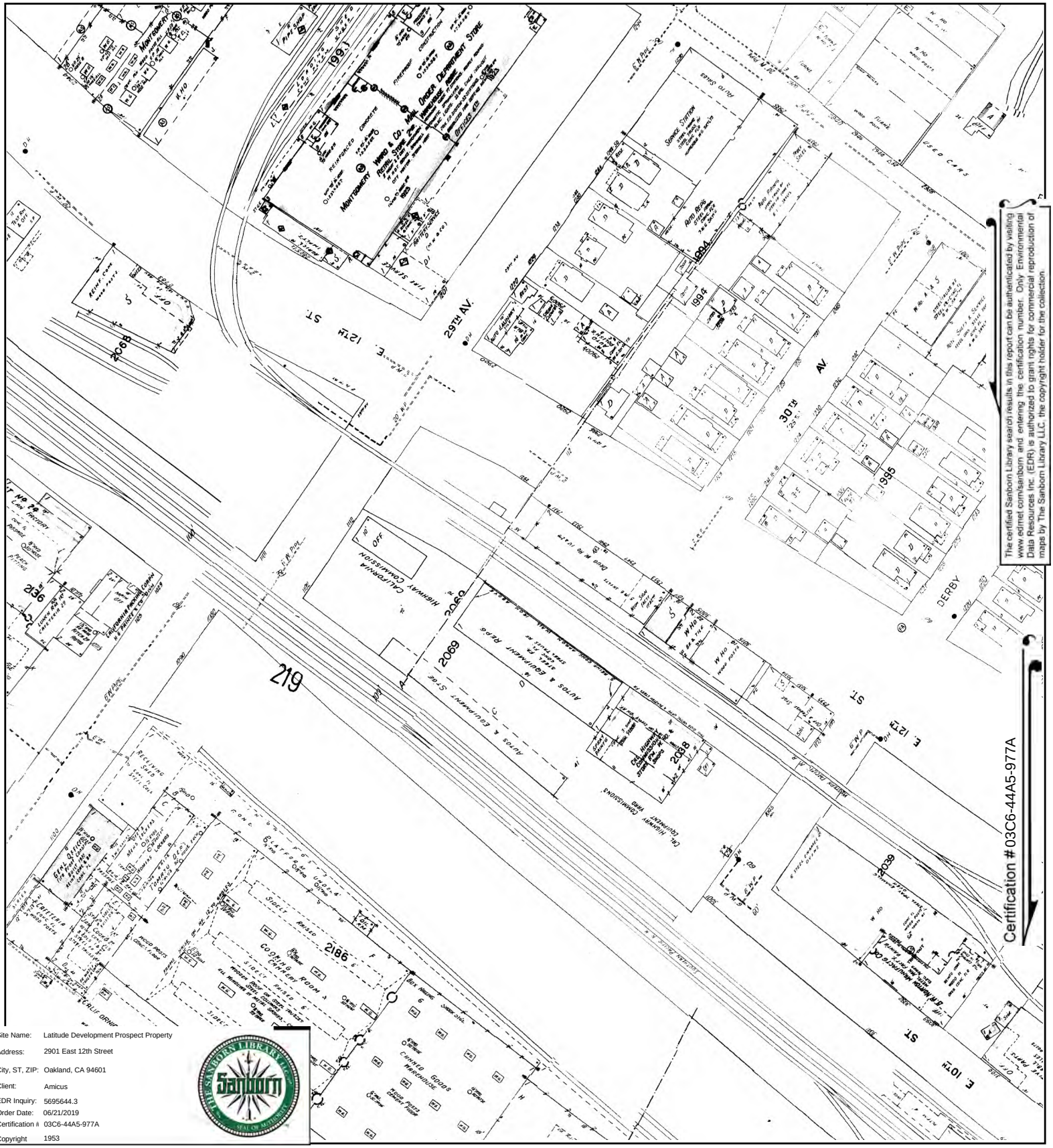


Volume 2, Sheet 227
Volume 2, Sheet 220
Volume 2, Sheet 219

N

Certified Sanborn® Map

1953

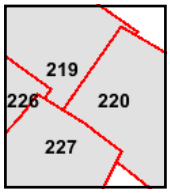


The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Site Name:	Latitude Development Prospect Property
Address:	2901 East 12th Street
City, ST, ZIP:	Oakland, CA 94601
Client:	Amicus
EDR Inquiry:	5695644.3
Order Date:	06/21/2019
Certification #	03C6-44A5-977A
Copyright	1953

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600

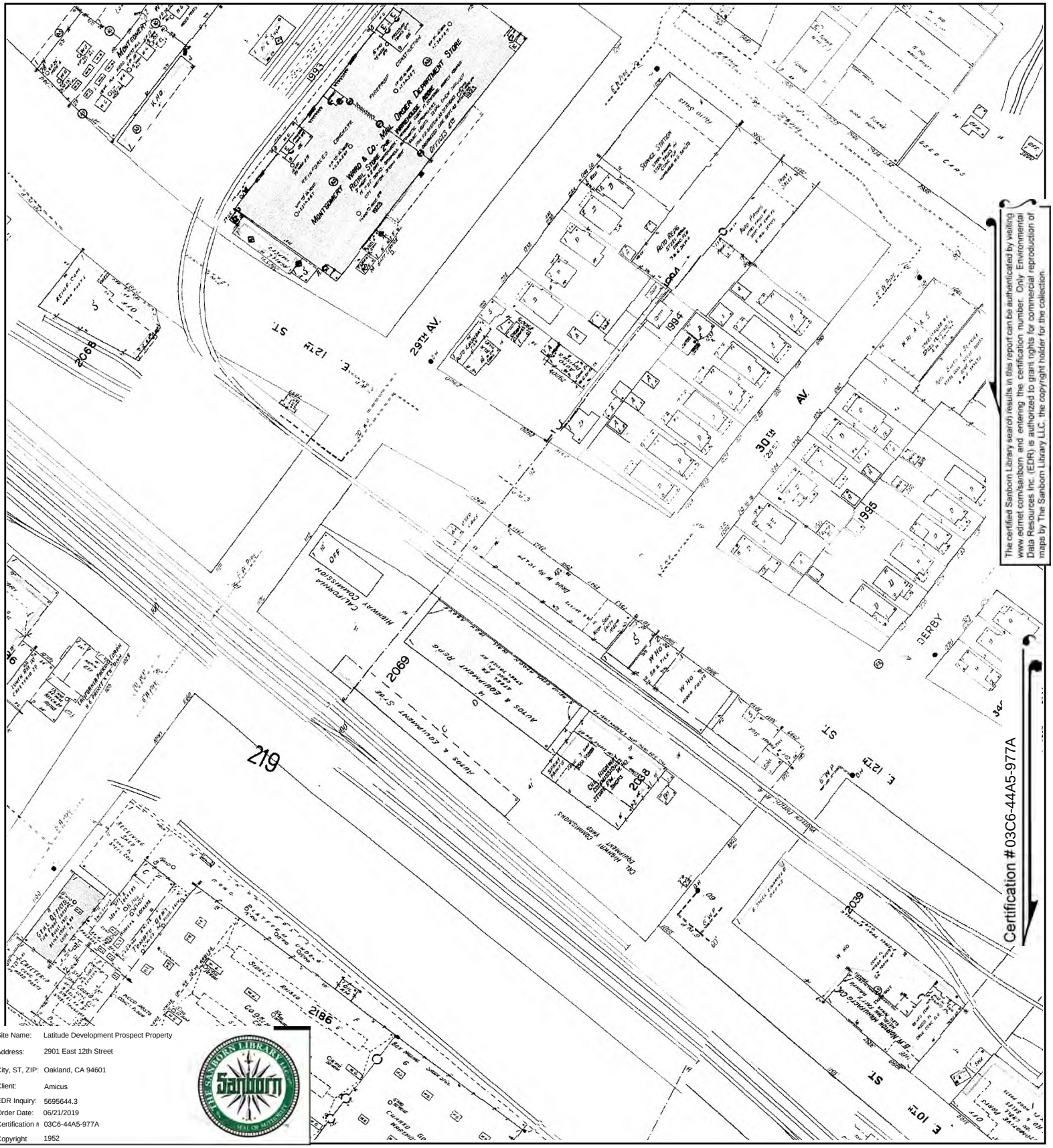


Volume 2, Sheet 227
Volume 2, Sheet 226
Volume 2, Sheet 220
Volume 2, Sheet 219

N

Certified Sanborn® Map

1952

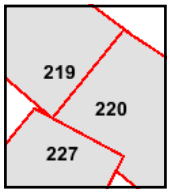


The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Site Name:	Latitude Development Prospect Property
Address:	2901 East 12th Street
City, ST, ZIP:	Oakland, CA 94601
Client:	Amicus
EDR Inquiry:	5695644.3
Order Date:	06/21/2019
Certification #	03C6-44A5-977A
Copyright	1952

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600

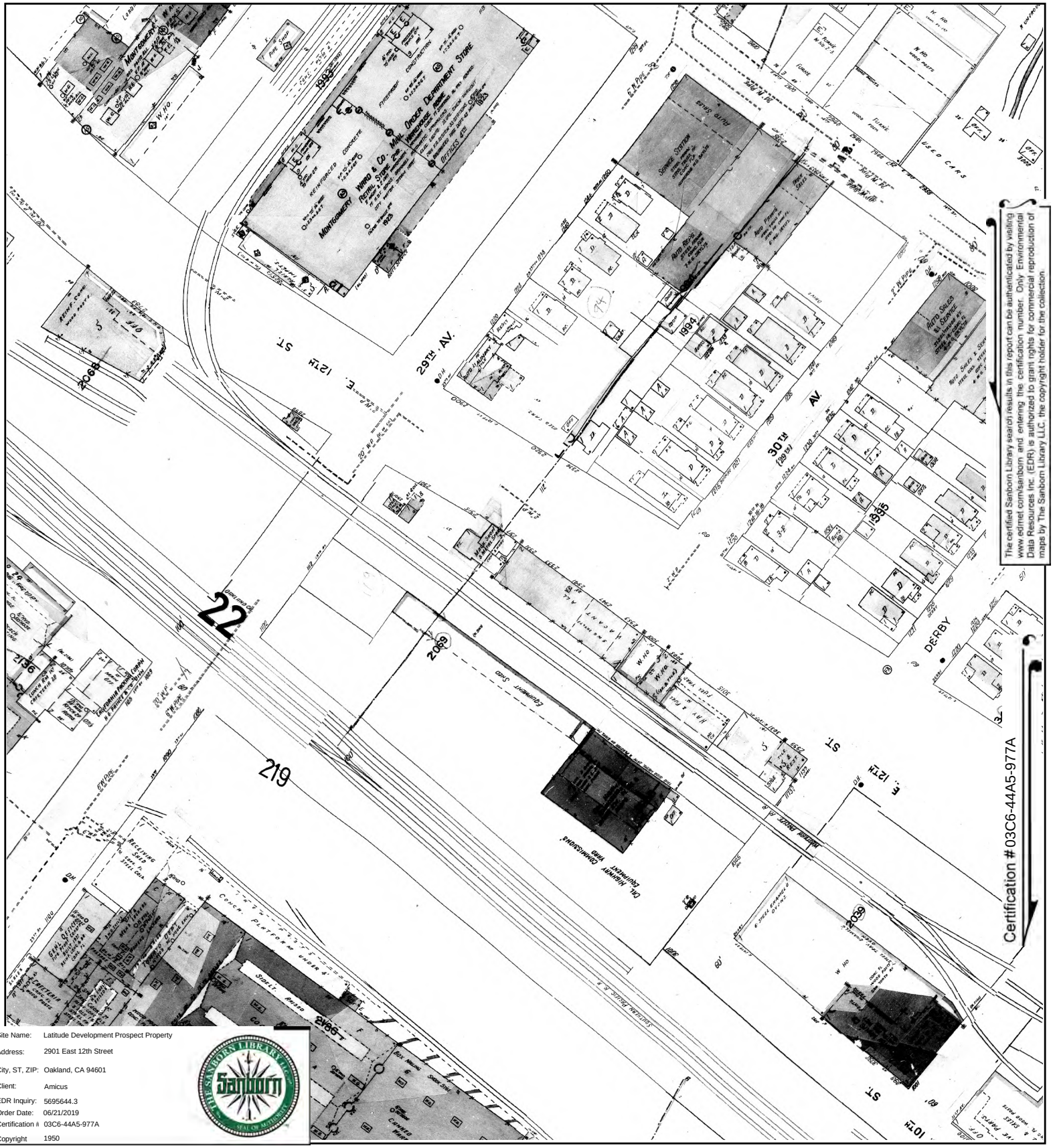


Volume 2, Sheet 227
Volume 2, Sheet 220
Volume 2, Sheet 219

N

Certified Sanborn® Map

1950

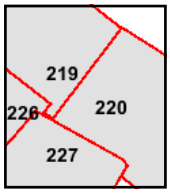


The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Site Name:	Latitude Development Prospect Property
Address:	2901 East 12th Street
City, ST, ZIP:	Oakland, CA 94601
Client:	Amicus
EDR Inquiry:	5695644.3
Order Date:	06/21/2019
Certification #	03C6-44A5-977A
Copyright	1950

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

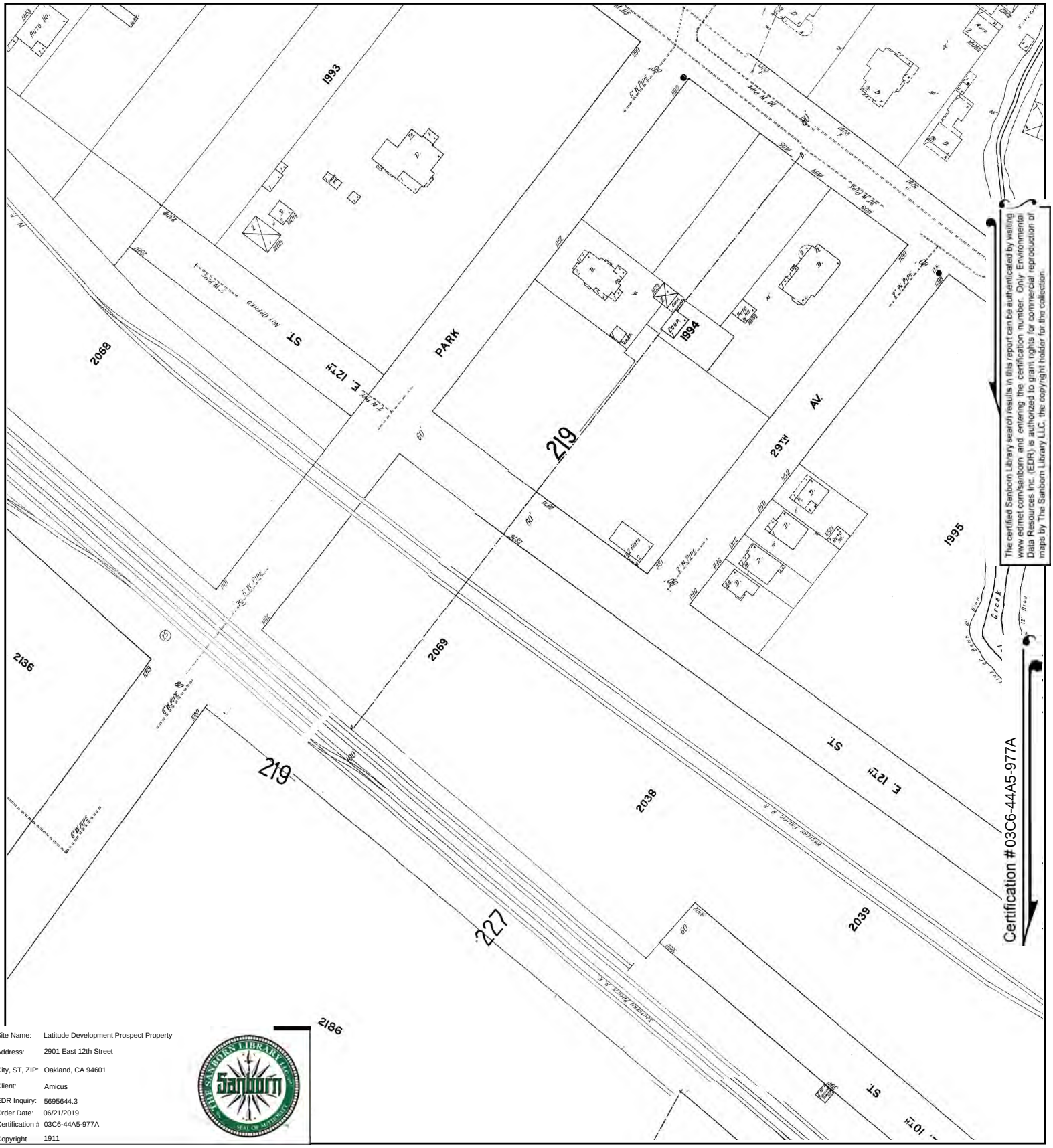
0 Feet 150 300 600



Volume 2, Sheet 227
Volume 2, Sheet 226
Volume 2, Sheet 220
Volume 2, Sheet 219

N

Certified Sanborn® Map

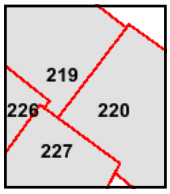


The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Site Name:	Latitude Development Prospect Property
Address:	2901 East 12th Street
City, ST, ZIP:	Oakland, CA 94601
Client:	Amicus
EDR Inquiry:	5695644.3
Order Date:	06/21/2019
Certification #	03C6-44A5-977A
Copyright	1911

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

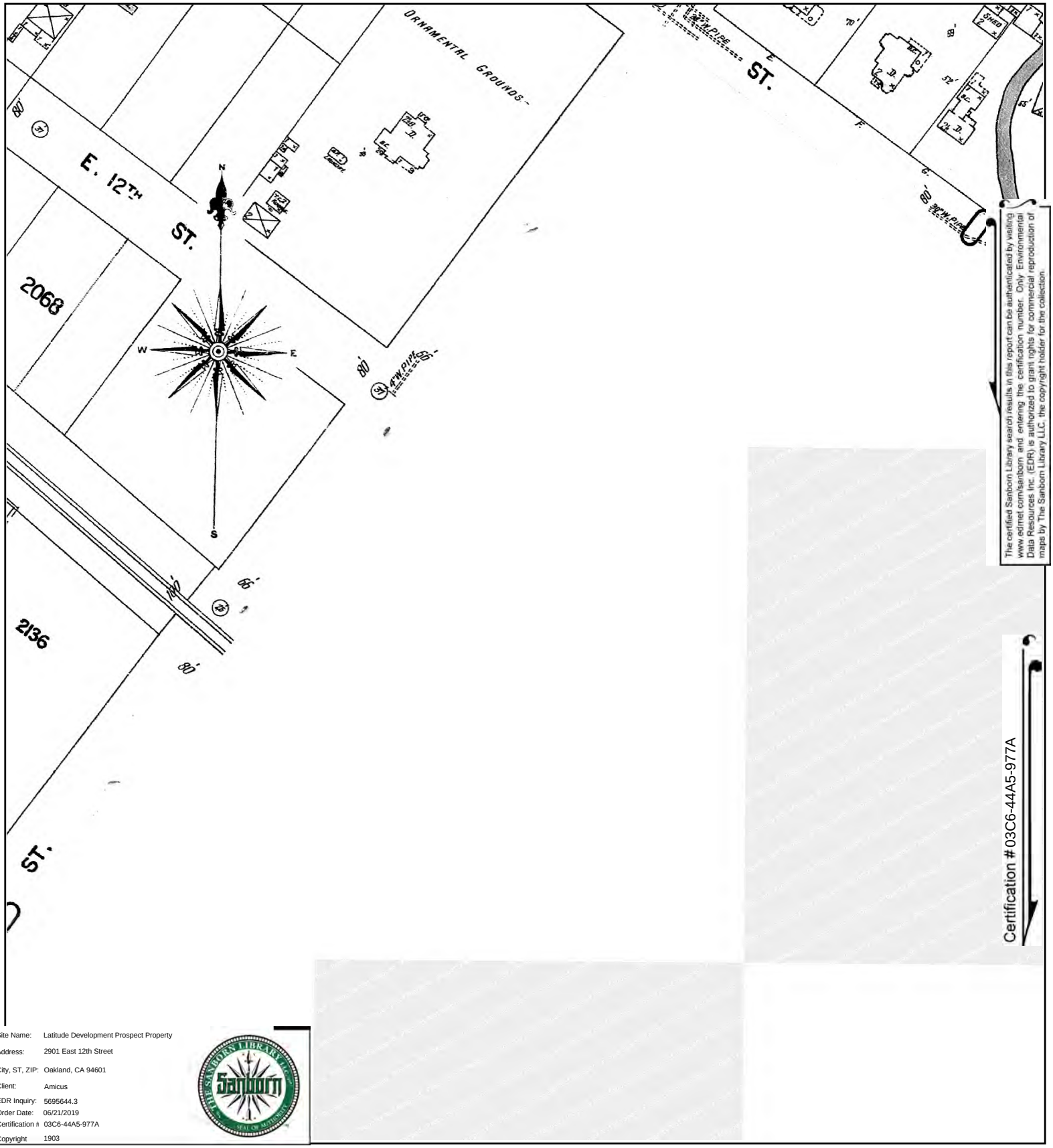
0 Feet 150 300 600



Volume 2, Sheet 227
Volume 2, Sheet 226
Volume 2, Sheet 220
Volume 2, Sheet 219

N

Certified Sanborn® Map

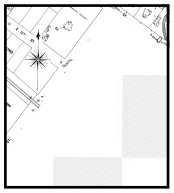


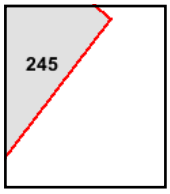
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Site Name:	Latitude Development Prospect Property
Address:	2901 East 12th Street
City, ST, ZIP:	Oakland, CA 94601
Client:	Amicus
EDR Inquiry:	5695644.3
Order Date:	06/21/2019
Certification #	03C6-44A5-977A
Copyright	1903

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600





Volume 2, Sheet 245

N

ENVIRONMENTAL RISK INFORMATION SERVICES

DATABASE REPORT

Project Property:	*19056* *2901 East 12th Street* *Oakland CA 94601*
Project No:	
Report Type:	*Database Report*
Order No:	*20190527022*
Requested by:	*ERAS Environmental, Inc.*
Date Completed:	*May 28, 2019*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

Table of Contents

Table of Contents....2
Executive Summary....3
Executive Summary: Report Summary....4
Executive Summary: Site Report Summary - Project Property....8
Executive Summary: Site Report Summary - Surrounding Properties....9
Executive Summary: Summary by Data Source....26
Map....47
Aerial....50
Topographic Map....51
Detail Report....52
Unplottable Summary....673
Unplottable Report....674
Appendix: Database Descriptions....680
Definitions....692

Notice: IMPORTANT LIMITATIONS and YOUR LIABILITY

Reliance on information in Report: This report DOES NOT replace a full Phase I Environmental Site Assessment but is solely intended to be used as database review of environmental records.

License for use of information in Report: No page of this report can be used without this cover page, this notice and the project property identifier. The information in Report(s) may not be modified or re-sold.

Your Liability for misuse: Using this Service and/or its reports in a manner contrary to this Notice or your agreement will be in breach of copyright and contract and ERIS may obtain damages for such mis-use, including damages caused to third parties, and gives ERIS the right to terminate your account, rescind your license to any previous reports and to bar you from future use of the Service.

No warranty of Accuracy or Liability for ERIS: The information contained in this report has been produced by ERIS Information Inc. ("ERIS") using various sources of information, including information provided by Federal and State government departments. The report applies only to the address and up to the date specified on the cover of this report, and any alterations or deviation from this description will require a new report. This report and the data contained herein does not purport to be and does not constitute a guarantee of the accuracy of the information contained herein and does not constitute a legal opinion nor medical advice. Although ERIS has endeavored to present you with information that is accurate, ERIS disclaims, any and all liability for any errors, omissions, or inaccuracies in such information and data, whether attributable to inadvertence, negligence or otherwise, and for any consequences arising therefrom. Liability on the part of ERIS is limited to the monetary value paid for this report.

Trademark and Copyright: You may not use the ERIS trademarks or attribute any work to ERIS other than as outlined above. This Service and Report(s) are protected by copyright owned by ERIS Information Inc. Copyright in data used in the Service or Report(s) (the "Data") is owned by ERIS or its licensors. The Service, Report(s) and Data may not be copied or reproduced in whole or in any substantial part without prior written consent of ERIS.

Executive Summary

Property Information:

Project Property:	*19056* *2901 East 12th Street Oakland CA 94601*
Project No:	
Coordinates:	
Latitude:	*37.777609*
Longitude:	*-122.229733*
UTM Northing:	*4,181,420.11*
UTM Easting:	*567,831.61*
UTM Zone:	*UTM Zone 10S*
Elevation:	*38 FT*

Order Information:

Order No:	*20190527022*
Date Requested:	*May 27, 2019*
Requested by:	*ERAS Environmental, Inc.*
Report Type:	*Database Report*

Historicals/Products:

ERIS Xplorer	*ERIS Xplorer*
Excel Add-On	*Excel Add-On*

Executive Summary: Report Summary

Database	Searched	Search Radius	Project Property	Within 0.12mi	.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
Standard Environmental Records								
Federal								
NPL	Y	1	0	0	0	0	0	0
PROPOSED NPL	Y	1	0	0	0	0	0	0
DELETED NPL	Y	.5	0	0	0	0	-	0
SEMS	Y	.5	0	0	0	0	-	0
ODI	Y	.5	0	0	0	0	-	0
SEMS ARCHIVE	Y	.5	0	0	0	3	-	3
CERCLIS	Y	.5	0	0	0	3	-	3
IODI	Y	.5	0	0	0	0	-	0
CERCLIS NFRAP	Y	.5	0	0	0	3	-	3
CERCLIS LIENS	Y	PO	0	-	-	-	-	0
RCRA CORRACTS	Y	1	0	0	0	1	0	1
RCRA TSD	Y	.5	0	0	0	0	-	0
RCRA LQG	Y	.25	0	0	2	-	-	2
RCRA SQG	Y	.25	0	0	5	-	-	5
RCRA CESQG	Y	.25	0	0	0	-	-	0
RCRA NON GEN	Y	.25	0	2	11	-	-	13
FED ENG	Y	.5	0	0	0	0	-	0
FED INST	Y	.5	0	0	0	0	-	0
ERNS 1982 TO 1986	Y	PO	0	-	-	-	-	0
ERNS 1987 TO 1989	Y	PO	0	-	-	-	-	0
ERNS	Y	PO	0	-	-	-	-	0
FED BROWNFIELDS	Y	.5	0	0	1	3	-	4
FEMA UST	Y	.25	0	0	0	-	-	0
SEMS LIEN	Y	PO	0	-	-	-	-	0
SUPERFUND ROD	Y	1	0	0	0	0	0	0
State								
RESPONSE	Y	1	0	0	0	0	4	4

Database	Searched	Search Radius	Project Property	Within 0.12mi	.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
ENVIROSTOR	Y	1	0	0	2	6	15	23
DELISTED ENVS	Y	1	0	0	0	0	0	0
SWF/LF	Y	.5	0	0	0	0	-	0
HWP	Y	1	0	0	0	0	1	1
LDS	Y	.5	0	0	0	0	-	0
SWAT	Y	.5	0	0	0	0	-	0
LUST	Y	.5	0	2	5	24	-	31
DELISTED LST	Y	.5	0	0	2	2	-	4
UST	Y	.25	0	0	1	-	-	1
SWRCB SWF	Y	.5	0	0	0	0	-	0
UST CLOSURE	Y	.5	0	0	0	1	-	1
HHSS	Y	.25	0	1	7	-	-	8
AST	Y	.25	0	0	0	-	-	0
DELISTED TNK	Y	.25	0	0	0	-	-	0
CERS TANK	Y	.25	0	0	1	-	-	1
LUR	Y	.5	0	0	0	0	-	0
HLUR	Y	.5	0	0	0	0	-	0
DEED	Y	.5	0	0	0	1	-	1
VCP	Y	.5	0	0	0	2	-	2
CLEANUP SITES	Y	.5	0	3	4	10	-	17
DELISTED CTNK	Y	.25	0	0	0	-	-	0
HIST TANK	Y	.25	0	1	7	-	-	8
Tribal								
INDIAN LUST	Y	.5	0	0	0	0	-	0
INDIAN UST	Y	.25	0	0	0	-	-	0
DELISTED ILST	Y	.5	0	0	0	0	-	0
DELISTED IUST	Y	.25	0	0	0	-	-	0
County								
BERKELEY CUPA	Y	.25	0	0	0	-	-	0
HAYWARD CUPA	Y	.25	0	0	0	-	-	0
SANLEANDRO CUPA	Y	.25	0	0	0	-	-	0
UNION UST	Y	.25	0	0	0	-	-	0
UNION CUPA	Y	.25	0	0	0	-	-	0
UNION CUPA	Y	.25	0	0	0	-	-	0
ALAMEDA LOP	Y	.5	0	2	9	34	-	45
UST ALAMEDA	Y	.25	0	0	1	-	-	1
DELISTED COUNTY	Y	.25	0	0	0	-	-	0
UST CLEANUP	Y	.5	0	0	0	0	-	0
MAHER SF	Y	.5	0	0	0	0	-	0
LIVERMORE CUPA	Y	.25	0	0	0	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
LIVERMORE UST	Y	.25	0	0	0	-	-	0
LIVERMORE AST	Y	.25	0	0	0	-	-	0

Additional Environmental Records

Federal

FINDS/FRS	Y	PO	0	-	-	-	-	0
TRIS	Y	PO	0	-	-	-	-	0
HMIRS	Y	.125	0	0	-	-	-	0
NCDL	Y	.125	0	0	-	-	-	0
TSCA	Y	.125	0	0	-	-	-	0
HIST TSCA	Y	.125	0	0	-	-	-	0
FTTS ADMIN	Y	PO	0	-	-	-	-	0
FTTS INSP	Y	PO	0	-	-	-	-	0
PRP	Y	PO	0	-	-	-	-	0
SCRD DRYCLEANER	Y	.5	0	0	0	0	-	0
ICIS	Y	PO	0	-	-	-	-	0
FED DRYCLEANERS	Y	.25	0	0	0	-	-	0
DELISTED FED DRY	Y	.25	0	0	0	-	-	0
FUDS	Y	1	0	0	0	0	0	0
MLTS	Y	PO	0	-	-	-	-	0
HIST MLTS	Y	PO	0	-	-	-	-	0
MINES	Y	.25	0	0	0	-	-	0
ALT FUELS	Y	.25	0	0	0	-	-	0
SSTS	Y	.25	0	0	0	-	-	0
PCB	Y	.5	0	0	0	0	-	0

State

DRYCLEANERS	Y	.25	0	0	0	-	-	0
DELISTED DRYCLEANERS	Y	.25	0	0	0	-	-	0
DRYC GRANT	Y	.25	0	0	0	-	-	0
HWSS CLEANUP	Y	.5	0	0	0	0	-	0
DTSC HWF	Y	.5	0	0	0	0	-	0
INSP COMP ENF	Y	1	0	0	0	0	0	0
SCH	Y	1	0	0	0	0	3	3
CHMIRS	Y	PO	0	-	-	-	-	0
HAZNET	Y	PO	0	-	-	-	-	0
HIST CHMIRS	Y	PO	0	-	-	-	-	0
HIST MANIFEST	Y	PO	0	-	-	-	-	0
HIST CORTESE	Y	.5	0	0	0	0	-	0
CDO/CAO	Y	.5	0	0	0	0	-	0
CERS HAZ	Y	.125	0	1	-	-	-	1

Database	Searched	Search Radius	Project Property	Within 0.12mi	.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
DELISTED HAZ	Y	.5	0	0	0	6	-	6
GEOTRACKER	Y	.125	0	0	-	-	-	0
WASTE DISCHG	Y	.25	0	0	0	-	-	0
EMISSIONS	Y	.25	0	2	13	-	-	15
CDL	Y	.125	0	0	-	-	-	0

Tribal ***No Tribal additional environmental record sources available for this State.***

County ***No County additional environmental databases were selected to be included in the search.***

Total:	0	14	71	99	23	207

**** PO – Property Only***
**** 'Property and adjoining properties' database search radii are set at 0.25 miles.***

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number

No records found in the selected databases for the project property.

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
1	LUST	CALTRANS SOUTH OAKLAND MAINTENANCE STATION	1112 29TH AVENUE OAKLAND CA 94601	S	0.02 / 91.95	-1	52
			Global ID | Status | Status Date: T0600101631 | COMPLETED - CASE CLOSED | 2011-07-27 00:00:00				
2	CLEANUP SITES	PACIFIC THOMAS CORP	0 29TH AVENUE OAKLAND CA 94601	WNW	0.02 / 129.01	0	57
			Site Facility Type | Status: CLEANUP PROGRAM SITE | OPEN - SITE ASSESSMENT				
3	HHSS	SOUTH OAKLAND	1112 29TH AVE OAKLAND CA 94601	WNW	0.05 / 243.66	-3	62
3	HIST TANK	SOUTH OAKLAND	1112 29TH AVE OAKLAND CA	WNW	0.05 / 243.66	-3	62
3	ALAMEDA LOP	CALTRANS SOUTH OAKLAND MAINTENANCE STATION	1112 29TH AVE Oakland CA 94601	WNW	0.05 / 243.66	-3	62
			Status Desc: Pollution characterization,Verification monitoring underway,Case closed, Pollution characterization,Verification monitoring underway,Case closed, Pollution characterization,Verification monitoring underway,Case closed, Pollution characterization,Verification monitoring underway,Case closed, Pollution characterization,Verification monitoring underway,Case closed, Pollution characterization,Verification monitoring underway,Case closed				
4	EMISSIONS	H & H AUTO COLLISION, INC	3031 E 12TH STREET OAKLAND CA 94601	ESE	0.07 / 357.04	1	63
4	EMISSIONS	BLUE BIRD BODY SHOP	3031 E 12TH STREET OAKLAND CA 94601	ESE	0.07 / 357.04	1	67
4	RCRA NON GEN	H AND H AUTO COLLISION REPAIR	3031 E 12TH ST OAKLAND CA 94601	ESE	0.07 / 357.04	1	70
			EPA Handler ID: CAL000307796				
5	LUST	GOODWILL INDUSTRIES	1301 30TH OAKLAND CA 94601	NNE	0.07 / 358.33	6	71
			Global ID | Status | Status Date: T0600101959 | COMPLETED - CASE CLOSED | 1996-02-07 00:00:00				
6	ALAMEDA LOP	GOODWILL INDUSTRIES	1301 30TH AVE Oakland CA 94601	ENE	0.07 / 374.24	5	73
			Status Desc: Case closed, Case closed				
7	CLEANUP SITES	SAFE STORAGE USA	2783 EAST 12TH STREET OAKLAND CA 94601	WNW	0.08 / 446.29	-3	73
			Site Facility Type | Status: CLEANUP PROGRAM SITE | OPEN - SITE ASSESSMENT				

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
8	CLEANUP SITES	29TH AVENUE	0 29TH AVENUE OAKLAND CA 94601	WSW	0.09 / 498.66	-8	79
			Site Facility Type | Status: CLEANUP PROGRAM SITE | OPEN - ACTIVE				
9	CERS HAZ	Fire Station #13	1225 DERBY AVE OAKLAND CA 94601	E	0.10 / 515.08	3	83
10	RCRA NON GEN	NATIVE AMERICAN HEALTH CENTER	2950 INTERNATIONAL BLVD OAKLAND CA 94601	NE	0.12 / 628.18	8	86
			EPA Handler ID: CAL000415361				
11	ENVIROSTOR	FORMER MONTGOMERY WARD BUILDING	2825 INTERNATIONAL BOULEVARD OAKLAND CA 94601	NNW	0.14 / 738.44	3	87
			Estor/EPA ID | Cleanup Status: 01230003 | CERTIFIED AS OF 8/31/2001				
12	HHSS	MELROSE FORD	3050 EAST 14TH STREET OAKLAND CA 94601	ENE	0.14 / 754.51	8	89
12	HIST TANK	MELROSE FORD	3050 EAST 14TH STREET OAKLAND CA	ENE	0.14 / 754.51	8	89
12	RCRA SQG	MELROSE FORD	3050 E 14TH ST OAKLAND CA 94601	ENE	0.14 / 754.51	8	89
			EPA Handler ID: CAD055395008				
13	FED BROWNFIELDS	3050 International Boulevard	3050 International Boulevard Oakland CA 94601	ENE	0.14 / 761.84	8	90
13	ALAMEDA LOP	MELROSE FORD	3050 INTERNATIONAL BLVD Oakland CA 94601	ENE	0.14 / 761.84	8	92
			Status Desc: Case closed, Case closed				
14	CLEANUP SITES	1824 E. 14TH STREET	1824 E. 14TH STREET OAKLAND CA 94606	ENE	0.15 / 774.24	8	93
			Site Facility Type | Status: CLEANUP PROGRAM SITE | OPEN - INACTIVE				
15	LUST	DEL MONTE PLANT #37	3100 9TH OAKLAND CA 94601	SSW	0.15 / 780.83	-3	95
			Global ID | Status | Status Date: T06019745070 | COMPLETED - CASE CLOSED | 2005-01-11 00:00:00				
15	LUST	DEL MONTE PLANT 37/237	3100 9TH OAKLAND CA 94601	SSW	0.15 / 780.83	-3	97
			Global ID | Status | Status Date: T0600100438 | COMPLETED - CASE CLOSED | 1995-10-30 00:00:00				
15	RCRA NON GEN	SAV ON DRUG 3714	3100 E NINETH ST OAKLAND CA 94601	SSW	0.15 / 780.83	-3	100
			EPA Handler ID: CAD009165796				
16	HHSS	OAKLAND PLANT 37	1100 29TH AVE OAKLAND CA 94601	SSW	0.15 / 789.13	-5	102

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
16	HIST TANK	OAKLAND PLANT #37	1100 29TH AVE OAKLAND CA	SSW	0.15 / 789.13	-5	102
16	RCRA SQG	DEL MONTE USA OAKLAND #37	1100 29TH ST OAKLAND CA 94601 ***EPA Handler ID:*** CAD981167554	SSW	0.15 / 789.13	-5	102
17	ENVIROSTOR	ASPIRE ERES ACADEMY	2956 INTERNATIONAL BOULEVARD OAKLAND CA 94601 ***Estor/EPA ID | Cleanup Status:*** 60002285 | ACTIVE AS OF 12/15/2015	NE	0.16 / 859.83	11	104
18	RCRA NON GEN	LISA JOHNSTON	1426 29TH AVENUE OAKLAND CA 94601 ***EPA Handler ID:*** CAC002997465	NNE	0.17 / 871.99	9	107
19	EMISSIONS	CLEVELAND STEEL CONTAINER	3100 E 10TH STREET OAKLAND CA 94601	SE	0.17 / 877.60	-2	108
19	EMISSIONS	NORTON PACKAGING, INC	3100 E 10TH STREET OAKLAND CA 94601	SE	0.17 / 877.60	-2	111
19	EMISSIONS	BW NORTON MFG CO, INC	3100 E 10TH STREET OAKLAND CA 94601	SE	0.17 / 877.60	-2	114
19	HHSS	BW NORTON MFG CO INC	3100 EAST 10TH STREET OAKLAND CA 94601	SE	0.17 / 877.60	-2	115
19	HIST TANK	B.W. NORTON MFG. CO. INC.	3100 EAST 10TH. STREET OAKLAND CA	SE	0.17 / 877.60	-2	115
19	RCRA LQG	CLEVELAND STEEL CONTAINER CORP.	3100 EAST 10TH STREET OAKLAND CA 94601 ***EPA Handler ID:*** CAD009105958	SE	0.17 / 877.60	-2	116
20	LUST	MELROSE FORD	3050 INTERNATIONAL OAKLAND CA 94601 ***Global ID | Status | Status Date:*** T0600100883 | COMPLETED - CASE CLOSED | 1996-12-19 00:00:00	ENE	0.17 / 903.99	10	123
21	LUST	OIL CHANGER #616	3132 12TH OAKLAND CA 94601 ***Global ID | Status | Status Date:*** T0600101042 | COMPLETED - CASE CLOSED | 1997-10-10 00:00:00	ESE	0.18 / 952.08	3	125
22	HHSS	PERALTA SERVICE UNION STATION	3132 E. 12TH ST. OAKLAND CA 94601	ESE	0.18 / 955.99	1	127

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
22	HIST TANK	PERALTA SERVICE UNION STATION	3132 E. 12TH ST. OAKLAND CA	ESE	0.18 / 955.99	1	127
22	ALAMEDA LOP	OIL CHANGER #616	3132 E 12TH ST Oakland CA 94601 ***Status Desc:*** Case closed, Case closed	ESE	0.18 / 955.99	1	127
23	CLEANUP SITES	LUCASEY MANUFACTURING	2744 11TH OAKLAND CA 94601 ***Site Facility Type | Status:*** CLEANUP PROGRAM SITE | COMPLETED - CASE CLOSED	W	0.18 / 973.84	-7	128
24	CLEANUP SITES	ROADWAY EXPRESS,INC	1125 27TH AVE OAKLAND CA 94601 ***Site Facility Type | Status:*** CLEANUP PROGRAM SITE | COMPLETED - CASE CLOSED	WNW	0.19 / 1,000.86	-12	138
25	DELISTED LST	LUCASEY REDEVELOPMENT	2744 EAST 11TH STREET OAKLAND CA 94601	WNW	0.19 / 1,015.95	-8	142
25	CLEANUP SITES	LUCASEY REDEVELOPMENT	2744 EAST 11TH STREET OAKLAND CA 94601 ***Site Facility Type | Status:*** CLEANUP PROGRAM SITE | OPEN - ASSESSMENT & INTERIM REMEDIAL ACTION	WNW	0.19 / 1,015.95	-8	142
26	EMISSIONS	PRO SPEED AUTO BODY	1410 31ST AVENUE OAKLAND CA 94601	ENE	0.20 / 1,046.91	9	150
26	EMISSIONS	MELROSE FORD	1410 31ST AVENUE OAKLAND CA 94601	ENE	0.20 / 1,046.91	9	152
26	RCRA NON GEN	OAKLAND PRO SPEED AUTO BODY	1410 31ST AVE OAKLAND CA 94601 ***EPA Handler ID:*** CAL000401064	ENE	0.20 / 1,046.91	9	159
27	RCRA NON GEN	ROADWAY EXPRESS	2806 E 10TH ST OAKLAND CA 94621 ***EPA Handler ID:*** CAD983650995	W	0.21 / 1,091.70	-12	160
28	EMISSIONS	ESPINOZA'S TIRE & BODY SHOP	1001 FRUITVALE AVE OAKLAND CA 94601	SE	0.21 / 1,124.72	-2	162
29	RCRA NON GEN	MIKE HEENEY	1510 29TH AVE OAKLAND CA 94601 ***EPA Handler ID:*** CAC002999737	NNE	0.21 / 1,127.76	13	163
30	ALAMEDA LOP	LUCASEY MANUFACTURING	2744 E 11TH ST OAKLAND CA 94601	WNW	0.21 / 1,135.04	-10	164

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			Status Desc: Preliminary site assessment underway,Pollution characterization,Case closed, Preliminary site assessment underway,Pollution characterization,Case closed, Preliminary site assessment underway,Pollution characterization,Case closed, Preliminary site assessment underway,Pollution characterization,Case closed, Preliminary site assessment underway,Pollution characterization,Case closed				
30	ALAMEDA LOP	LUCASEY REDEVELOP	2744 E 11TH ST OAKLAND CA 94601- ***Status Desc:*** Pollution characterization	WNW	0.21 / 1,135.04	-10	165
30	RCRA SQG	LUCASEY MANUFACTURING CORP	2744 E 11TH ST OAKLAND CA 94601 ***EPA Handler ID:*** CAD982430894	WNW	0.21 / 1,135.04	-10	166
31	RCRA SQG	PACIFIC BELL	1415 MITCHELL STREET OAKLAND CA 94601 ***EPA Handler ID:*** CAT080018948	N	0.22 / 1,148.54	5	167
32	HHSS	DEL MONTE-PLANT 37	2980 E 9TH STREET OAKLAND CA 94601	SSW	0.22 / 1,172.00	-13	168
32	HIST TANK	DEL MONTE-PLANT #37	2980 E. 9TH STREET OAKLAND CA	SSW	0.22 / 1,172.00	-13	168
33	EMISSIONS	SAVE MART #735	3000 E 9TH STREET OAKLAND CA 94601	SSW	0.22 / 1,187.36	-12	168
33	EMISSIONS	LUCKY #735	3000 E 9TH STREET OAKLAND CA 94601	SSW	0.22 / 1,187.36	-12	169
33	EMISSIONS	ALBERTSON'S,LLC#7049	3000 E 9TH STREET OAKLAND CA 94601	SSW	0.22 / 1,187.36	-12	171
33	EMISSIONS	ALBERTSONS #7049	3000 E 9TH STREET OAKLAND CA 94601	SSW	0.22 / 1,187.36	-12	171
33	EMISSIONS	FOOD MAXX #484	3000 E 9TH STREET OAKLAND CA 94601	SSW	0.22 / 1,187.36	-12	173
33	RCRA LQG	FOOD MAX 484	3000 E 9TH ST OAKLAND CA 94601 ***EPA Handler ID:*** CAL000359886	SSW	0.22 / 1,187.36	-12	174
34	RCRA NON GEN	ROSS DRESS FOR LESS #1997	3010 E 9TH ST OAKLAND CA 94601 ***EPA Handler ID:*** CAL000434703	SSW	0.23 / 1,196.27	-13	176

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
34	RCRA NON GEN	WASTE MANAGEMENT OF ALAMEDA COUNTY	3010 EAST 9TH OAKLAND CA 94601	SSW	0.23 / 1,196.27	-13	177
			EPA Handler ID: CAC002989236				
35	RCRA NON GEN	SALLY BEAUTY SUPPLIES	3040 E 9TH ST STE B OAKLAND CA 94601	SSW	0.23 / 1,208.07	-12	178
			EPA Handler ID: CAL000411812				
36	RCRA NON GEN	AUTOZONE #5229	3050 EAST 9TH ST OAKLAND CA 94601-0000	SSW	0.23 / 1,214.15	-11	179
			EPA Handler ID: CAL000207157				
37	RCRA NON GEN	FAMILY OPTICAL	3060 E 9TH ST OAKLAND CA 94601	S	0.23 / 1,232.28	-12	180
			EPA Handler ID: CAL000431701				
38	DELISTED LST	ARCO #402 / Parking Lot	1450 Fruitvale Avenue, Oakland CA	ENE	0.24 / 1,272.45	11	181
38	ALAMEDA LOP	ARCO #0402 / PARKING LOT	1450 FRUITVALE AVE Oakland CA 94601	ENE	0.24 / 1,272.45	11	181
			Status Desc: Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway, Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway, Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway, Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway, Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway, Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway, Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway, Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway, Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway, Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway, Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway, Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway, Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway, Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway, Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway				
39	EMISSIONS	CALIF-WASHINGTON CAN CORP	3100 E 9TH STREET OAKLAND CA 94601	S	0.24 / 1,287.94	-11	184
39	EMISSIONS	DEL MONTE CORPORATION - CAN MF	3100 E 9TH STREET OAKLAND CA 94601	S	0.24 / 1,287.94	-11	185
39	HHSS	PLANT 237	3100 E 9TH STREET OAKLAND CA 94601	S	0.24 / 1,287.94	-11	186
39	HIST TANK	PLANT #237	3100 E 9TH STREET OAKLAND CA	S	0.24 / 1,287.94	-11	186

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
39	ALAMEDA LOP	DEL MONTE PLANT #37	3100 E 9TH ST Oakland CA 94601	S	0.24 / 1,287.94	-11	186
			Status Desc: Case transferred,Verification monitoring underway, Case transferred,Verification monitoring underway, Case transferred,Verification monitoring underway, Case transferred,Verification monitoring underway				
39	ALAMEDA LOP	DEL MONTE PLANT 37/237	3100 E 9TH ST OAKLAND CA 94601	S	0.24 / 1,287.94	-11	187
			Status Desc: Case transferred, Case transferred				
40	UST	PORTWOOD SHELL	820 Portwood Ave Oakland CA 94601	SW	0.25 / 1,295.83	-14	187
41	ALAMEDA LOP	ST JOSEPH'S PROFESSIONAL CENTER	2647 INTERNATIONAL BLVD Oakland CA 94601	NNW	0.25 / 1,305.99	1	188
			Status Desc: Case closed, Case closed, Case closed				
42	LUST	SHELL OIL #13-5696	820 PORTWOOD AVE OAKLAND CA 94601	SW	0.25 / 1,309.25	-15	188
			Global ID | Status | Status Date: T10000003427 | COMPLETED - CASE CLOSED | 2013-06-27 00:00:00				
43	CERS TANK	PORTWOOD SHELL	820 PORTWOOD AVE OAKLAND CA 94601	WSW	0.25 / 1,310.48	-15	191
			Site ID: 58255				
43	HHSS	SAME RONALD O AND JANET MILLER	820 PORTWOOD OAKLAND CA 94601	WSW	0.25 / 1,310.48	-15	201
43	HIST TANK	SAME RONALD O & JANET MILLER	820 PORTWOOD OAKLAND CA	WSW	0.25 / 1,310.48	-15	201
43	ALAMEDA LOP	SHELL OIL #135696	820 PORTWOOD AVE OAKLAND CA 94601	WSW	0.25 / 1,310.48	-15	201
			Status Desc: Leak confirmation,Case closed, Leak confirmation,Case closed, Leak confirmation,Case closed, Leak confirmation,Case closed, Leak confirmation,Case closed, Leak confirmation,Case closed				
43	RCRA NON GEN	SHELL PROTWOOD	820 PORTWOOD AVE OAKLAND CA 94601	WSW	0.25 / 1,310.48	-15	203
			EPA Handler ID: CAL000422850				
43	RCRA SQG	SHELL SERVICE STATION	820 PORTWOOD S A P 135696 OAKLAND CA 94601 ***EPA Handler ID:*** CAR000129031	WSW	0.25 / 1,310.48	-15	204
43	UST ALAMEDA	PORTWOOD SHELL	820 Portwood Ave Oakland CA	WSW	0.25 / 1,310.48	-15	205
			Facility ID: FA0321497 ***State Desc:*** Active				

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
44	LUST	ARCO #0402 / PARKING LOT	1450 FRUITVALE OAKLAND CA 94601	E	0.25 / 1,342.16	11	205
			Global ID | Status | Status Date: T06019734265 | COMPLETED - CASE CLOSED | 2018-11-06 00:00:00				
45	LUST	STATE SHINGLE	880 FRUITVALE OAKLAND CA 94601	SSE	0.26 / 1,353.35	-6	227
			Global ID | Status | Status Date: T0600101314 | COMPLETED - CASE CLOSED | 1997-01-03 00:00:00				
46	ALAMEDA LOP	STATE SHINGLE	880 FRUITVALE AVE Oakland CA 94601	SSE	0.26 / 1,362.29	-7	229
			Status Desc: Case closed, Case closed, Case closed				
47	FED BROWNFIELDS	3229 San Leandro Street	3229 San Leandro Street Oakland CA 94601	SE	0.26 / 1,372.96	-5	230
48	LUST	ST JOSEPH'S PROFESSIONAL CENTER	2647 INTERNATIONAL OAKLAND CA 94601	NNW	0.27 / 1,407.12	0	233
			Global ID | Status | Status Date: T0600102014 | COMPLETED - CASE CLOSED | 1997-05-08 00:00:00				
49	LUST	LEMOINE COLD STORAGE	630 29TH OAKLAND CA 94601	SW	0.29 / 1,524.30	-16	234
			Global ID | Status | Status Date: T0600102114 | COMPLETED - CASE CLOSED | 2014-01-21 00:00:00				
50	FED BROWNFIELDS	3301 San Leandro Boulevard	3301 San Leandro Boulevard Oakland CA 94601	SE	0.29 / 1,529.25	-6	242
51	LUST	HANS AND GUNTER ROOFING COMPANY	2834 E 7TH ST. OAKLAND CA 94601	SW	0.31 / 1,613.38	-18	245
			Global ID | Status | Status Date: T06019754249 | OPEN - SITE ASSESSMENT | 2004-03-24 00:00:00				
52	DELISTED LST	EBMUD	UNKNOWN 7TH ST & 29TH AVE OAKLAND CA 94606	SW	0.31 / 1,616.37	-18	251
52	ALAMEDA LOP	EBMUD	UNK 7TH ST & 29TH AVE OAKLAND CA 94606	SW	0.31 / 1,616.37	-18	251
			Status Desc: Leak confirmation,Case transferred, Leak confirmation,Case transferred, Leak confirmation,Case transferred, Leak confirmation,Case transferred, Leak confirmation,Case transferred, Leak confirmation,Case transferred				
53	LUST	TRI CITY CLEANERS	2560 INTERNATIONAL OAKLAND CA 94601	NNW	0.31 / 1,625.86	1	253
			Global ID | Status | Status Date: T0600100979 | COMPLETED - CASE CLOSED | 1998-03-30 00:00:00				
54	ALAMEDA LOP	LEMOINE COLD STORAGE	630 29TH AVE Oakland CA 94601	SW	0.31 / 1,631.91	-19	255
			Status Desc: Case transferred,Pollution characterization, Case transferred,Pollution characterization, Case transferred,Pollution characterization, Case transferred,Pollution characterization, Case transferred,Pollution characterization, Case transferred,Pollution characterization, Case transferred,Pollution characterization, Case transferred,Pollution characterization				

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
55	CLEANUP SITES	FRUITVALE BART	0 FRUITVALE AVE & 37TH OAKLAND CA 94601	ESE	0.31 / 1,641.07	-4	257
			Site Facility Type | Status: CLEANUP PROGRAM SITE | OPEN - INACTIVE				
56	ALAMEDA LOP	HANS AND GUNTER ROOFING COMPANY	2834 E 7TH ST OAKLAND CA 94601	SW	0.31 / 1,651.93	-19	259
			Status Desc: Leak confirmation,Pollution characterization, Leak confirmation,Pollution characterization				
57	ALAMEDA LOP	TRI CITY CLEANERS	2560 INTERNATIONAL BLVD Oakland CA 94601	NNW	0.31 / 1,655.02	-2	259
			Status Desc: Case closed, Case closed, Case closed				
58	ENVIROSTOR	ESPOSITO PLATING CORPORATION	2904 CHAPMAN STREET OAKLAND CA 94601	SSW	0.33 / 1,720.59	-17	260
			Estor/EPA ID | Cleanup Status: 01340004 | INACTIVE - ACTION REQUIRED AS OF 8/23/2018				
58	VCP	ESPOSITO PLATING CORPORATION	2904 CHAPMAN STREET OAKLAND CA 94601	SSW	0.33 / 1,720.59	-17	263
			Estor/EPA ID | Cleanup Status: 01340004 | INACTIVE - ACTION REQUIRED AS OF 8/23/2018				
59	ALAMEDA LOP	DELAWARE DEVELOPMENT CORPORATION	2530 INTERNATIONAL BLVD Oakland CA 94601	NNW	0.33 / 1,747.68	-2	266
			Status Desc: Case closed, Case closed				
60	LUST	DELAWARE DEVELOPMENT CORPORATION	2530 INTERNATIONAL OAKLAND CA 94601	NNW	0.34 / 1,789.69	-1	267
			Global ID | Status | Status Date: T0600100439 | COMPLETED - CASE CLOSED | 1997-03-04 00:00:00				
61	CERCLIS	ESPOSITO PLATING CORP	2904-2908 CHAPMAN ST OAKLAND CA 94601	SSW	0.34 / 1,793.52	-20	268
			Site EPA ID: CAD009174103				
61	CERCLIS NFRAP	ESPOSITO PLATING CORP	2904-2908 CHAPMAN ST OAKLAND CA 94601	SSW	0.34 / 1,793.52	-20	270
			Site EPA ID: CAD009174103				
61	SEMS ARCHIVE	ESPOSITO PLATING CORP	2904-2908 CHAPMAN ST OAKLAND CA 94601	SSW	0.34 / 1,793.52	-20	271
			EPA ID: CAD009174103				
62	DELISTED HAZ	Dreisbach Enterprises	2530 E 11TH ST OAKLAND CA 94601	WNW	0.34 / 1,819.52	-14	271
63	DELISTED HAZ	An-Fo Manufacturing Company, Inc.	3129 ELMWOOD AVE OAKLAND CA 94601	S	0.35 / 1,828.89	-15	271
63	ALAMEDA LOP	ANFO MANUFACTURING COMPANY	3129 ELMWOOD AVE Oakland CA 94601	S	0.35 / 1,828.89	-15	272

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			Status Desc: Case closed, Case closed				
63	LUST	ANFO MANUFACTURING COMPANY	3129 ELMWOOD OAKLAND CA 94601	S	0.35 / 1,828.89	-15	272
			Global ID | Status | Status Date: T0600102007 | COMPLETED - CASE CLOSED | 1998-06-22 00:00:00				
64	LUST	3014 CHAPMAN STREET REDEVELOPMENT	3030 CHAPMAN STREET OAKLAND CA 94601	S	0.35 / 1,835.14	-17	274
			Global ID | Status | Status Date: T10000011193 | OPEN - SITE ASSESSMENT | 2018-06-15 00:00:00				
65	ALAMEDA LOP	3014 CHAPMAN STREET REDEVELOPMENT	3014 CHAPMAN ST OAKLAND CA 94601-	S	0.37 / 1,930.33	-20	281
			Status Desc: Leak confirmation				
66	CERCLIS	OAKLAND CITY OF, HOUSING AUTHORITY	1180 25TH AVE OAKLAND CA 94601	NW	0.37 / 1,933.15	-11	282
			Site EPA ID: CA7860090045				
66	CERCLIS NFRAP	OAKLAND CITY OF, HOUSING AUTHORITY	1180 25TH AVE OAKLAND CA 94601	NW	0.37 / 1,933.15	-11	283
			Site EPA ID: CA7860090045				
66	SEMS ARCHIVE	OAKLAND CITY OF, HOUSING AUTHORITY	1180 25TH AVE OAKLAND CA 94601	NW	0.37 / 1,933.15	-11	284
			EPA ID: CA7860090045				
67	LUST	FILLMORE MARKS PROPERTY	534 23RD OAKLAND CA 94606	WSW	0.37 / 1,944.00	-22	285
			Global ID | Status | Status Date: T0600101689 | COMPLETED - CASE CLOSED | 1996-10-18 00:00:00				
68	ENVIROSTOR	GOLD SEAL PLATING/SQUIRKENWORKS	3125 E. 7TH STREET OAKLAND CA 94601	S	0.38 / 1,993.47	-16	287
			Estor/EPA ID | Cleanup Status: 71002917 | INACTIVE - NEEDS EVALUATION AS OF				
69	LUST	EANDI METAL WORKS INC	2440 11TH OAKLAND CA 94606	WNW	0.38 / 2,020.74	-14	287
			Global ID | Status | Status Date: T0600100858 | COMPLETED - CASE CLOSED | 2012-09-18 00:00:00				
70	ALAMEDA LOP	F&F PRECISION GRINDING	510 DERBY AVE OAKLAND CA 94601	SSW	0.39 / 2,039.80	-21	297
			Status Desc: Leak confirmation,Pollution characterization,Case closed				
71	CLEANUP SITES	F&F PRECISION GRINDING	510 DERBY OAKLAND CA 94601	SSW	0.39 / 2,054.40	-20	297
			Site Facility Type | Status: CLEANUP PROGRAM SITE | COMPLETED - CASE CLOSED				
72	ALAMEDA LOP	EANDI METAL WORKS INC	2440 E 11TH ST OAKLAND CA 94606	WNW	0.39 / 2,060.32	-15	300
			Status Desc: Pollution characterization,Case closed, Pollution characterization,Case closed				

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
73	ALAMEDA LOP	FILLMORE MARKS PROPERTY	534 23RD AVE Oakland CA 94606	WSW	0.39 / 2,063.04	-24	301
			Status Desc: Case closed, Case closed				
74	FED BROWNFIELDS	BART Parking Lot	3501-3601 E. 12th Street Oakland CA 94601	ESE	0.40 / 2,091.18	1	301
75	DELISTED HAZ	Brighten Restaurant Service Company	910 35TH AVE OAKLAND CA 94601	SE	0.40 / 2,096.25	-8	306
76	LUST	EXCHANGE LINEN SERVICE	527 23RD OAKLAND CA 94606	WSW	0.40 / 2,102.18	-23	306
			Global ID | Status | Status Date: T0600100995 | COMPLETED - CASE CLOSED | 1996-09-12 00:00:00				
77	ALAMEDA LOP	EXCHANGE LINEN SERVICE	527 23RD AVE Oakland CA 94606	WSW	0.40 / 2,116.16	-24	308
			Status Desc: Case closed, Case closed, Case closed				
78	DELISTED HAZ	AIC Labs Building 1	501 23RD AVE OAKLAND CA 94606	WSW	0.40 / 2,125.95	-24	309
79	ENVIROSTOR	PG&E - FORMER OAKLAND STATION H	1134 MILLER AVENUE OAKLAND CA 94601	WNW	0.41 / 2,144.93	-13	309
			Estor/EPA ID | Cleanup Status: 01490018 | CERTIFIED AS OF 1/20/2004				
79	VCP	PG&E - FORMER OAKLAND STATION H	1134 MILLER AVENUE OAKLAND CA 94601	WNW	0.41 / 2,144.93	-13	310
			Estor/EPA ID | Cleanup Status: 01490018 | CERTIFIED AS OF 1/20/2004				
80	CLEANUP SITES	WALT'S TRANSMISSION	1723 FRUITVALE AVENUE OAKLAND CA 94601	NE	0.41 / 2,160.07	27	312
			Site Facility Type | Status: CLEANUP PROGRAM SITE | OPEN - INACTIVE				
81	ALAMEDA LOP	WALT'S TRANSMISSION	1723 FRUITVALE AVE Oakland CA 94601	NE	0.42 / 2,204.97	24	320
			Status Desc: Leak confirmation,Case transferred,Preliminary site assessment underway,Pollution characterization				
82	LUST	FIDELITY PACKAGING CORPORATION	646 KENNEDY OAKLAND CA 94606	W	0.42 / 2,215.96	-23	320
			Global ID | Status | Status Date: T0600100572 | COMPLETED - CASE CLOSED | 2000-07-10 00:00:00				
83	CLEANUP SITES	FORMER INDUSTRIAL STEAM PROPERTY	2985 FORD STREET OAKLAND CA 94601	SSW	0.42 / 2,222.65	-22	322
			Site Facility Type | Status: CLEANUP PROGRAM SITE | COMPLETED - CASE CLOSED				
84	CLEANUP SITES	FRUITVALE TRANSIT VILLAGE	3501-3601 E 12TH ST OAKLAND CA 94601	ESE	0.42 / 2,226.01	0	325
			Site Facility Type | Status: CLEANUP PROGRAM SITE | COMPLETED - CASE CLOSED				

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
85	ALAMEDA LOP	BAY AREA DIABLO PETROLEUM	421 23RD AVE Oakland CA 94606	SW	0.42 / 2,231.95	-25	335
			Status Desc: Leak confirmation,Preliminary site assessment underway,Pollution characterization,Case closed, Leak confirmation,Preliminary site assessment underway,Pollution characterization,Case closed, Leak confirmation,Preliminary site assessment underway,Pollution characterization,Case closed, Leak confirmation,Preliminary site assessment underway,Pollution characterization,Case closed, Leak confirmation,Preliminary site assessment underway,Pollution characterization,Case closed, Leak confirmation,Preliminary site assessment underway,Pollution characterization,Case closed, Leak confirmation,Preliminary site assessment underway,Pollution characterization,Case closed				
86	ALAMEDA LOP	23RD AVENUE PARTNERS	1125 MILLER AVE OAKLAND CA 94601	WNW	0.42 / 2,234.78	-14	337
			Status Desc: Pollution characterization,Case closed, Pollution characterization,Case closed				
87	ALAMEDA LOP	ERNIE'S AUTOMOTIVE	2400 E 12TH ST Oakland CA 94601	NW	0.43 / 2,251.50	-12	338
			Status Desc: Case closed, Case closed, Case closed				
88	ALAMEDA LOP	DEL MONTE PLANT #26	400 LANCASTER ST Oakland CA 94601	S	0.43 / 2,270.05	-21	338
			Status Desc: Case closed, Case closed				
89	ALAMEDA LOP	FIDELITY PACKAGING CORPORATION	646 KENNEDY ST Oakland CA 94606	WSW	0.43 / 2,278.22	-25	339
			Status Desc: Case closed, Case closed				
90	LUST	BAY AREA DIABLO PETROLEUM	421 23RD OAKLAND CA 94606	SW	0.43 / 2,285.43	-25	340
			Global ID | Status | Status Date: T0600102218 | COMPLETED - CASE CLOSED | 2011-09-01 00:00:00				
91	LUST	HOLT VISUAL COMMUNICATION	802 KENNEDY OAKLAND CA 94606	W	0.43 / 2,287.64	-23	348
			Global ID | Status | Status Date: T0600100712 | COMPLETED - CASE CLOSED | 1999-05-10 00:00:00				
92	ALAMEDA LOP	HOLT VISUAL COMMUNICATION	802 KENNEDY ST Oakland CA 94606	W	0.43 / 2,289.58	-22	350
			Status Desc: Case closed				
93	CLEANUP SITES	GLASCOCK PROPERTIES (TOXICS)	2901 GLASCOCK OAKLAND CA 94601	SSW	0.44 / 2,301.77	-25	351
			Site Facility Type | Status: CLEANUP PROGRAM SITE | COMPLETED - CASE CLOSED				
94	ALAMEDA LOP	SARONI TOTAL FOOD	727 KENNEDY ST Oakland CA 94606	W	0.44 / 2,311.20	-24	352
			Status Desc: Case closed, Case closed, Case closed				
95	ALAMEDA LOP	GLASCOCK AVENUE WAREHOUSE	2901 GLASCOCK AVE Oakland CA 94601	SSW	0.44 / 2,312.92	-25	353
			Status Desc: Case transferred, Case transferred, Case transferred				
95	ALAMEDA LOP	GLASCOCK PROPERTIES (TOXICS)	2901 GLASCOCK AVE OAKLAND CA 94601	SSW	0.44 / 2,312.92	-25	353
			Status Desc: Case closed, Case closed				

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
96	LUST	CREDIT WORLD AUTO SALES	2345 INTERNATIONAL OAKLAND CA 94601	NNW	0.44 / 2,316.99	-5	354
			Global ID | Status | Status Date: T0600101337 | COMPLETED - CASE CLOSED | 2017-08-11 00:00:00				
97	LUST	23RD AVENUE PARTNERS	1125 MILLER OAKLAND CA 94601	WNW	0.44 / 2,324.39	-16	368
			Global ID | Status | Status Date: T0600177455 | COMPLETED - CASE CLOSED | 2014-09-02 00:00:00				
98	ENVIROSTOR	FORMER OAKLAND METAL TREATING	400 DERBY AVE OAKLAND CA 94601	SSW	0.45 / 2,358.17	-24	380
			Estor/EPA ID | Cleanup Status: 60001833 | NO FURTHER ACTION AS OF 11/8/2012				
99	DELISTED HAZ	T. Gary Rogers Rowing Center	2999 GLASCOCK ST OAKLAND CA 94601	SSW	0.45 / 2,367.52	-24	382
100	ALAMEDA LOP	RIGHT AWAY REDI MIX INC	401 KENNEDY ST Oakland CA 94606	WSW	0.45 / 2,380.81	-25	382
			Status Desc: Case closed, Case closed				
101	LUST	RIGHT AWAY READY MIX INC	435 23RD AVE OAKLAND CA 94606	SW	0.45 / 2,395.31	-26	383
			Global ID | Status | Status Date: T0600101141 | COMPLETED - CASE CLOSED | 1990-09-05 00:00:00				
102	LUST	GLASCOCK AVE WAREHOUSE	2901 GLASCOCK AVE OAKLAND CA 94601	SSW	0.45 / 2,398.03	-25	384
			Global ID | Status | Status Date: T0600101809 | COMPLETED - CASE CLOSED | 2009-07-13 00:00:00				
103	ALAMEDA LOP	CHEVRON #20-6142 / RMC LONESTAR	333 23RD AVE OAKLAND CA 94606	SW	0.46 / 2,415.31	-26	387
			Status Desc: Case closed, Case closed, Case closed				
104	LUST	TONY'S EXPRESS AUTO SERVICE	3609 INTERNATIONAL OAKLAND CA 94601	ESE	0.47 / 2,457.99	3	388
			Global ID | Status | Status Date: T0600101680 | COMPLETED - CASE CLOSED | 2011-01-18 00:00:00				
105	CLEANUP SITES	CHEVRON	333 23RD AVE OAKLAND CA 94606	SW	0.47 / 2,484.37	-26	400
			Site Facility Type | Status: CLEANUP PROGRAM SITE | COMPLETED - CASE CLOSED				
106	ALAMEDA LOP	TONY'S EXPRESS AUTO SERVICE	3609 INTERNATIONAL BLVD Oakland CA 94601	ESE	0.47 / 2,487.30	4	402
			Status Desc: Leak confirmation,Pollution characterization,Remedial action underway,Case closed, Leak confirmation,Pollution characterization,Remedial action underway,Case closed, Leak confirmation,Pollution characterization,Remedial action underway,Case closed, Leak confirmation,Pollution characterization,Remedial action underway,Case closed				
107	ALAMEDA LOP	TAXI TAXI INC	2345 INTERNATIONAL BLVD Oakland CA 94601	NW	0.47 / 2,487.84	-9	403
			Status Desc: Case transferred,Preliminary site assessment underway,Pollution characterization,Remedial action underway, Case transferred,Preliminary site assessment underway,Pollution characterization,Remedial action underway, Case transferred,Preliminary site assessment underway,Pollution characterization,Remedial action underway, Case transferred,Preliminary site assessment underway,Pollution characterization,Remedial action underway, Case transferred,Preliminary site assessment underway,Pollution characterization,Remedial action underway, Case transferred,Preliminary site assessment underway,Pollution characterization,Remedial action underway, Case transferred,Preliminary site				

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			assessment underway,Pollution characterization,Remedial action underway, Case transferred,Preliminary site assessment underway,Pollution characterization,Remedial action underway				
108	ALAMEDA LOP	CHEVRON #9-4612	3616 SAN LEANDRO ST Oakland CA 94601	SE	0.47 / 2,489.54	-8	404
			Status Desc: Pollution characterization, Pollution characterization				
109	ALAMEDA LOP	AUGUST MANUFACTURING COMPANY	1466 36TH AVE OAKLAND CA 94601	E	0.47 / 2,496.36	8	405
			Status Desc: Case transferred				
110	LUST	DEL MONTE PLANT #26	400 LANCASTER OAKLAND CA 94601	S	0.48 / 2,519.67	-23	405
			Global ID | Status | Status Date: T0600101952 | COMPLETED - CASE CLOSED | 1996-02-28 00:00:00				
111	DELISTED HAZ	The Earthgrains Baking Company, Inc	955 KENNEDY STREET OAKLAND CA 94606	WNW	0.48 / 2,539.26	-20	407
111	ALAMEDA LOP	EARTHGRAINS BAKING COMPANY	955 KENNEDY ST OAKLAND CA 94606	WNW	0.48 / 2,539.26	-20	407
			Status Desc: Leak confirmation,Preliminary site assessment workplan submitted,Preliminary site assessment underway,Pollution characterization, Leak confirmation,Preliminary site assessment workplan submitted,Preliminary site assessment underway,Pollution characterization, Leak confirmation,Preliminary site assessment workplan submitted,Preliminary site assessment underway,Pollution characterization, Leak confirmation,Preliminary site assessment workplan submitted,Preliminary site assessment underway,Pollution characterization				
111	ALAMEDA LOP	KILPATRICK'S GARAGE	955 KENNEDY ST Oakland CA 94606	WNW	0.48 / 2,539.26	-20	408
			Status Desc: Case closed, Case closed, Case closed				
111	UST CLOSURE	Earthgrains Baking Company	955 Kennedy Street, Oakland, CA 94606 CA ***Claim Case No:*** Claim No. 4424	WNW	0.48 / 2,539.26	-20	409
112	DELISTED LST	RHODES & JAMIESON BATCH PLANT	333 KENNEDY ST OAKLAND CA 94606	WSW	0.48 / 2,541.50	-24	409
112	ALAMEDA LOP	RHODES & JAMIESON BATCH PLANT	333 KENNEDY ST OAKLAND CA 94606	WSW	0.48 / 2,541.50	-24	410
			Status Desc: Leak confirmation,Case transferred, Leak confirmation,Case transferred, Leak confirmation,Case transferred, Leak confirmation,Case transferred, Leak confirmation,Case transferred, Leak confirmation,Case transferred, Leak confirmation,Case transferred, Leak confirmation,Case transferred				
113	LUST	RIGHT AWAY REDI MIX INC	401 KENNEDY OAKLAND CA 94606	WSW	0.48 / 2,549.64	-22	412
			Global ID | Status | Status Date: T0600101140 | COMPLETED - CASE CLOSED | 1994-06-29 00:00:00				
114	LUST	CHEVRON #9-4612	3616 SAN LEANDRO STREET OAKLAND CA 94601 ***Global ID | Status | Status Date:*** T0600100333 | OPEN - SITE ASSESSMENT | 1988-07-12 00:00:00	SE	0.49 / 2,561.19	-7	413

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
115	DEED	SIGNATURE PROPERTIES	303 & 315 DERBY AVENUE OAKLAND CA 94601	SSW	0.49 / 2,570.60	-25	429
115	CLEANUP SITES	SIGNATURE PROPERTIES	303 & 315 DERBY AVENUE OAKLAND CA 94601	SSW	0.49 / 2,570.60	-25	430
			Site Facility Type | Status: CLEANUP PROGRAM SITE | OPEN - SITE ASSESSMENT				
116	CLEANUP SITES	CHEVRON #20-6142 / RMC LONESTAR	333 23RD OAKLAND CA 94606	SW	0.49 / 2,589.98	-25	534
			Site Facility Type | Status: CLEANUP PROGRAM SITE | COMPLETED - CASE CLOSED				
117	ALAMEDA LOP	STOP N GO #1006	2710 FOOTHILL BLVD Oakland CA 94601	NNE	0.49 / 2,593.52	27	536
			Status Desc: Case closed, Case closed, Case closed				
118	ENVIROSTOR	AMERICAN NATIONAL CAN CO	3801 E 8TH ST OAKLAND CA 946040000	SE	0.49 / 2,611.83	-16	537
			Estor/EPA ID | Cleanup Status: 80001614 | REFER: RWQCB AS OF 1/1/2008				
118	ENVIROSTOR	AMERICAN NATIONAL CAN CO	3801 E 8TH ST OAKLAND CA 946040000	SE	0.49 / 2,611.83	-16	539
			Estor/EPA ID | Cleanup Status: CAD009162116 |				
118	CLEANUP SITES	AMERICAN NATIONAL CAN	3801 E 8TH ST OAKLAND CA 94601	SE	0.49 / 2,611.83	-16	541
			Site Facility Type | Status: CLEANUP PROGRAM SITE | COMPLETED - CASE CLOSED				
118	ALAMEDA LOP	TSD AMERICAN CAN COMPANY	3801 E 8TH ST Oakland CA 94601	SE	0.49 / 2,611.83	-16	542
			Status Desc: Case closed, Case closed				
118	RCRA CORRACTS	AMERICAN CAN PACKAGING INC	3801 E 8TH ST OAKLAND CA 94604	SE	0.49 / 2,611.83	-16	543
			EPA Handler ID: CAD009162116				
119	CERCLIS	AMERICAN NATIONAL CAN CO	3801 EAST 8TH ST OAKLAND CA 94601	SE	0.50 / 2,615.98	-16	548
			Site EPA ID: CAD009162116				
119	CERCLIS NFRAP	AMERICAN NATIONAL CAN CO	3801 EAST 8TH ST OAKLAND CA 94601	SE	0.50 / 2,615.98	-16	549
			Site EPA ID: CAD009162116				
119	SEMS ARCHIVE	AMERICAN NATIONAL CAN CO	3801 EAST 8TH ST OAKLAND CA 94601	SE	0.50 / 2,615.98	-16	550
			EPA ID: CAD009162116				
120	ALAMEDA LOP	MEL SENNA BRAKE SERVICE	2301 E 12TH ST Oakland CA 94601	NW	0.50 / 2,631.74	-15	551
			Status Desc: Remediation plan				

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
121	LUST	MEL SENNA BRAKE SERVICE	2301 E 12TH STREET OAKLAND CA 94601	NW	0.50 / 2,637.98	-16	551
			Global ID | Status | Status Date: T0600101212 | OPEN - ASSESSMENT & INTERIM REMEDIAL ACTION | 1991-03-01 00:00:00				
122	ENVIROSTOR	ASCEND SITE	3709 EAST 12TH STREET OAKLAND CA 94601	ESE	0.57 / 3,014.74	-4	569
			Estor/EPA ID | Cleanup Status: 01880004 | CERTIFIED AS OF 12/21/2006				
123	ENVIROSTOR	URBAN PROMISE ACADEMY SITE	2200-2288 EAST 12TH STREET/23RD AVENUE OAKLAND CA 94606	NW	0.65 / 3,419.37	-23	573
			Estor/EPA ID | Cleanup Status: 01760047 | INACTIVE - ACTION REQUIRED AS OF 5/12/2004				
124	ENVIROSTOR	OAKLAND 5	3927 WATTLING STREET OAKLAND CA 94601	SE	0.65 / 3,444.71	-12	574
			Estor/EPA ID | Cleanup Status: 60002570 | ACTIVE AS OF 10/20/2017				
125	ENVIROSTOR	LIFE ACADEMY HIGH SCHOOL	2111 INTERNATIONAL BOULEVARD OAKLAND CA 94606	NW	0.69 / 3,630.82	-21	577
			Estor/EPA ID | Cleanup Status: 60001178 | NO FURTHER ACTION AS OF 8/15/2011				
125	SCH	LIFE ACADEMY HIGH SCHOOL	2111 INTERNATIONAL BOULEVARD OAKLAND CA 94606	NW	0.69 / 3,630.82	-21	579
			Estor/EPA ID | Cleanup Status: 60001178 | NO FURTHER ACTION AS OF 8/15/2011				
126	ENVIROSTOR	COLLINS PROPERTY	2235 CLEMENT AVENUE ALAMEDA CA 94501	SW	0.70 / 3,718.97	-23	581
			Estor/EPA ID | Cleanup Status: 01390007 | CERTIFIED AS OF 3/15/2007				
127	HWP	AMERICAN NATIONAL CAN CO	3801 E 8TH ST OAKLAND CA 946040000	SE	0.73 / 3,855.77	-20	583
			Estor/EPA ID: CAD009162116				
128	ENVIROSTOR	FORMER J. H. BAXTER FACILITY, ALAMEDA	2189, 2199, 2201, 2229 CLEMENT AVENUE ALAMEDA CA 94501	WSW	0.73 / 3,862.36	-23	584
			Estor/EPA ID | Cleanup Status: 01240036 | ACTIVE AS OF 10/26/2005				
128	RESPONSE	FORMER J. H. BAXTER FACILITY, ALAMEDA	2189, 2199, 2201, 2229 CLEMENT AVENUE ALAMEDA CA 94501	WSW	0.73 / 3,862.36	-23	606
			Estor/EPA ID | Cleanup Status: 01240036 | ACTIVE AS OF 10/26/2005				
129	ENVIROSTOR	PORT OF OAKLAND - EMBARCADERO COVE	DENNISON AND EMBARCADERO STREETS OAKLAND CA 94606	W	0.75 / 3,982.56	-23	628
			Estor/EPA ID | Cleanup Status: 01510021 | CERTIFIED / OPERATION & MAINTENANCE AS OF 3/28/1997				
129	RESPONSE	PORT OF OAKLAND - EMBARCADERO COVE	DENNISON AND EMBARCADERO STREETS OAKLAND CA 94606	W	0.75 / 3,982.56	-23	642
			Estor/EPA ID | Cleanup Status: 01510021 | CERTIFIED / OPERATION & MAINTENANCE AS OF 3/28/1997				
130	ENVIROSTOR	EKOTEK LUBE	4200 ALAMEDA AVENUE OAKLAND CA 94601	SE	0.77 / 4,047.29	-21	655
			Estor/EPA ID | Cleanup Status: 01290024 | REFER: RWQCB AS OF 7/1/1994				

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
131	ENVIROSTOR	CLOROX COMPANY	850 42ND AVENUE OAKLAND CA 94601	SE	0.78 / 4,092.28	-13	656
			***Estor/EPA ID	Cleanup Status:*** 01280083 | CERTIFIED O&M - LAND USE RESTRICTIONS ONLY AS OF 12/13/1995			
131	RESPONSE	CLOROX COMPANY	850 42ND AVENUE OAKLAND CA 94601	SE	0.78 / 4,092.28	-13	660
			***Estor/EPA ID	Cleanup Status:*** 01280083 | CERTIFIED O&M - LAND USE RESTRICTIONS ONLY AS OF 12/13/1995			
132	ENVIROSTOR	ELMHURST PROJECT SITE	ELMHURST STREET/92ND AVENUE/F STREET OAKLAND CA 94603	SE	0.80 / 4,203.28	-11	664
			***Estor/EPA ID	Cleanup Status:*** 01990024 | INACTIVE - NEEDS EVALUATION AS OF 5/19/2005			
132	ENVIROSTOR	FOOTHILL CAR WASH	955 HIGH STREET OAKLAND CA 94601	SE	0.80 / 4,203.28	-11	665
			***Estor/EPA ID	Cleanup Status:*** 01750035 | NO ACTION REQUIRED AS OF 4/23/2001			
132	SCH	ELMHURST PROJECT SITE	ELMHURST STREET/92ND AVENUE/F STREET OAKLAND CA 94603	SE	0.80 / 4,203.28	-11	665
			***Estor/EPA ID	Cleanup Status:*** 01990024 | INACTIVE - NEEDS EVALUATION AS OF 5/19/2005			
132	SCH	FOOTHILL CAR WASH	955 HIGH STREET OAKLAND CA 94601	SE	0.80 / 4,203.28	-11	666
			***Estor/EPA ID	Cleanup Status:*** 01750035 | NO ACTION REQUIRED AS OF 4/23/2001			
133	ENVIROSTOR	BIG B LUMBERTERIA	301/411 HIGH STREET OAKLAND CA 94601	SSE	0.82 / 4,325.74	-24	667
			***Estor/EPA ID	Cleanup Status:*** 01240034 | REFER: RWQCB AS OF 6/8/1994			
134	ENVIROSTOR	NIRS ALAMEDA FORGE (J09CA0069)	ALAMEDA CA	SW	0.85 / 4,488.40	-17	668
			***Estor/EPA ID	Cleanup Status:*** 80000048 | NO FURTHER ACTION AS OF 9/6/2012			
135	ENVIROSTOR	ALAMEDA, NAVAL AND MARINE RESERVE CENTER	2144 CLEMENT AVENUE ALAMEDA CA 94501	WSW	0.87 / 4,617.63	-20	669
			***Estor/EPA ID	Cleanup Status:*** 71000003 | REFER: RWQCB AS OF 5/20/2012			
135	RESPONSE	ALAMEDA, NAVAL AND MARINE RESERVE CENTER	2144 CLEMENT AVENUE ALAMEDA CA 94501	WSW	0.87 / 4,617.63	-20	670
			***Estor/EPA ID	Cleanup Status:*** 71000003 | REFER: RWQCB AS OF 5/20/2012			
136	ENVIROSTOR	2100 CLEMENT AVENUE	2100 CLEMENT AVENUE ALAMEDA CA 94501	WSW	0.92 / 4,835.45	-21	671
			***Estor/EPA ID	Cleanup Status:*** 60002415 | NO FURTHER ACTION AS OF 11/7/2016			

Executive Summary: Summary by Data Source

Standard

Federal

SEMS ARCHIVE - SEMS List 8R Archive Sites

A search of the SEMS ARCHIVE database, dated Apr 11, 2019 has found that there are 3 SEMS ARCHIVE site(s) within approximately 0.50 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
ESPOSITO PLATING CORP	2904-2908 CHAPMAN ST OAKLAND CA 94601 ***EPA ID***: *CAD009174103*	SSW	0.34 / 1,793.52	61
OAKLAND CITY OF, HOUSING AUTHORITY	1180 25TH AVE OAKLAND CA 94601 ***EPA ID***: *CA7860090045*	NW	0.37 / 1,933.15	66
AMERICAN NATIONAL CAN CO	3801 EAST 8TH ST OAKLAND CA 94601 ***EPA ID***: *CAD009162116*	SE	0.50 / 2,615.98	119

CERCLIS - Comprehensive Environmental Response, Compensation and Liability Information System - CERCLIS

A search of the CERCLIS database, dated Oct 25, 2013 has found that there are 3 CERCLIS site(s) within approximately 0.50 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
ESPOSITO PLATING CORP	2904-2908 CHAPMAN ST OAKLAND CA 94601 ***Site EPA ID***: *CAD009174103*	SSW	0.34 / 1,793.52	61
OAKLAND CITY OF, HOUSING AUTHORITY	1180 25TH AVE OAKLAND CA 94601 ***Site EPA ID***: *CA7860090045*	NW	0.37 / 1,933.15	66
AMERICAN NATIONAL CAN CO	3801 EAST 8TH ST OAKLAND CA 94601 ***Site EPA ID***: *CAD009162116*	SE	0.50 / 2,615.98	119

CERCLIS NFRAP - CERCLIS - No Further Remedial Action Planned

A search of the CERCLIS NFRAP database, dated Oct 25, 2013 has found that there are 3 CERCLIS NFRAP site(s) within approximately 0.50 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
ESPOSITO PLATING CORP	2904-2908 CHAPMAN ST OAKLAND CA 94601	SSW	0.34 / 1,793.52	61

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
	***Site EPA ID**: CAD009174103*			
OAKLAND CITY OF, HOUSING AUTHORITY	1180 25TH AVE OAKLAND CA 94601	NW	0.37 / 1,933.15	66
	***Site EPA ID**: CA7860090045*			
AMERICAN NATIONAL CAN CO	3801 EAST 8TH ST OAKLAND CA 94601	SE	0.50 / 2,615.98	119
	***Site EPA ID**: CAD009162116*			

RCRA CORRACTS - RCRA CORRACTS-Corrective Action

A search of the RCRA CORRACTS database, dated Mar 4, 2019 has found that there are 1 RCRA CORRACTS site(s) within approximately 1.00 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
AMERICAN CAN PACKAGING INC	3801 E 8TH ST OAKLAND CA 94604	SE	0.49 / 2,611.83	118
	***EPA Handler ID**: CAD009162116*			

RCRA LQG - RCRA Generator List

A search of the RCRA LQG database, dated Mar 4, 2019 has found that there are 2 RCRA LQG site(s) within approximately 0.25 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
CLEVELAND STEEL CONTAINER CORP.	3100 EAST 10TH STREET OAKLAND CA 94601	SE	0.17 / 877.60	19
	***EPA Handler ID**: CAD009105958*			
FOOD MAX 484	3000 E 9TH ST OAKLAND CA 94601	SSW	0.22 / 1,187.36	33
	***EPA Handler ID**: CAL000359886*			

RCRA SQG - RCRA Small Quantity Generators List

A search of the RCRA SQG database, dated Mar 4, 2019 has found that there are 5 RCRA SQG site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
MELROSE FORD	3050 E 14TH ST OAKLAND CA 94601	ENE	0.14 / 754.51	12
	***EPA Handler ID**: CAD055395008*			
PACIFIC BELL	1415 MITCHELL STREET OAKLAND CA 94601	N	0.22 / 1,148.54	31
	***EPA Handler ID**: CAT080018948*			

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
DEL MONTE USA OAKLAND #37	1100 29TH ST OAKLAND CA 94601	SSW	0.15 / 789.13	16

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
	***EPA Handler ID**: CAD981167554*			
LUCASEY MANUFACTURING CORP	2744 E 11TH ST OAKLAND CA 94601	WNW	0.21 / 1,135.04	30
	***EPA Handler ID**: CAD982430894*			
SHELL SERVICE STATION	820 PORTWOOD S A P 135696 OAKLAND CA 94601	WSW	0.25 / 1,310.48	43
	***EPA Handler ID**: CAR000129031*			

RCRA NON GEN - RCRA Non-Generators

A search of the RCRA NON GEN database, dated Mar 4, 2019 has found that there are 13 RCRA NON GEN site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
H AND H AUTO COLLISION REPAIR	3031 E 12TH ST OAKLAND CA 94601	ESE	0.07 / 357.04	4
	***EPA Handler ID**: CAL000307796*			
NATIVE AMERICAN HEALTH CENTER	2950 INTERNATIONAL BLVD OAKLAND CA 94601	NE	0.12 / 628.18	10
	***EPA Handler ID**: CAL000415361*			
LISA JOHNSTON	1426 29TH AVENUE OAKLAND CA 94601	NNE	0.17 / 871.99	18
	***EPA Handler ID**: CAC002997465*			
OAKLAND PRO SPEED AUTO BODY	1410 31ST AVE OAKLAND CA 94601	ENE	0.20 / 1,046.91	26
	***EPA Handler ID**: CAL000401064*			
MIKE HEENEY	1510 29TH AVE OAKLAND CA 94601	NNE	0.21 / 1,127.76	29
	***EPA Handler ID**: CAC002999737*			

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
SAV ON DRUG 3714	3100 E NINETH ST OAKLAND CA 94601	SSW	0.15 / 780.83	15
	***EPA Handler ID**: CAD009165796*			
ROADWAY EXPRESS	2806 E 10TH ST OAKLAND CA 94621	W	0.21 / 1,091.70	27
	***EPA Handler ID**: CAD983650995*			
WASTE MANAGEMENT OF ALAMEDA COUNTY	3010 EAST 9TH OAKLAND CA 94601	SSW	0.23 / 1,196.27	34
	***EPA Handler ID**: CAC002989236*			
ROSS DRESS FOR LESS #1997	3010 E 9TH ST OAKLAND CA 94601	SSW	0.23 / 1,196.27	34

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
	***EPA Handler ID**: CAL000434703*			
SALLY BEAUTY SUPPLIES	3040 E 9TH ST STE B OAKLAND CA 94601	SSW	0.23 / 1,208.07	35
	***EPA Handler ID**: CAL000411812*			
AUTOZONE #5229	3050 EAST 9TH ST OAKLAND CA 94601-0000	SSW	0.23 / 1,214.15	36
	***EPA Handler ID**: CAL000207157*			
FAMILY OPTICAL	3060 E 9TH ST OAKLAND CA 94601	S	0.23 / 1,232.28	37
	***EPA Handler ID**: CAL000431701*			
SHELL PROTWOOD	820 PORTWOOD AVE OAKLAND CA 94601	WSW	0.25 / 1,310.48	43
	***EPA Handler ID**: CAL000422850*			

FED BROWNFIELDS - The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database

A search of the FED BROWNFIELDS database, dated Jan 11, 2019 has found that there are 4 FED BROWNFIELDS site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
3050 International Boulevard	3050 International Boulevard Oakland CA 94601	ENE	0.14 / 761.84	13
BART Parking Lot	3501-3601 E. 12th Street Oakland CA 94601	ESE	0.40 / 2,091.18	74

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
3229 San Leandro Street	3229 San Leandro Street Oakland CA 94601	SE	0.26 / 1,372.96	47
3301 San Leandro Boulevard	3301 San Leandro Boulevard Oakland CA 94601	SE	0.29 / 1,529.25	50

State

RESPONSE - State Response Sites

A search of the RESPONSE database, dated Mar 11, 2019 has found that there are 4 RESPONSE site(s) within approximately 1.00 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
FORMER J. H. BAXTER FACILITY, ALAMEDA	2189, 2199, 2201, 2229 CLEMENT AVENUE ALAMEDA CA 94501	WSW	0.73 / 3,862.36	128
	***Estor/EPA ID | Cleanup Status**: 01240036 | ACTIVE AS OF 10/26/2005*			
PORT OF OAKLAND - EMBARCADERO COVE	DENNISON AND EMBARCADERO STREETS OAKLAND CA 94606	W	0.75 / 3,982.56	129
	***Estor/EPA ID | Cleanup Status**: 01510021 | CERTIFIED / OPERATION & MAINTENANCE AS OF 3/28/1997*			
CLOROX COMPANY	850 42ND AVENUE OAKLAND CA 94601	SE	0.78 / 4,092.28	131
	***Estor/EPA ID | Cleanup Status**: 01280083 | CERTIFIED O&M - LAND USE RESTRICTIONS ONLY AS OF 12/13/1995*			
ALAMEDA, NAVAL AND MARINE RESERVE CENTER	2144 CLEMENT AVENUE ALAMEDA CA 94501	WSW	0.87 / 4,617.63	135
	***Estor/EPA ID | Cleanup Status**: 71000003 | REFER: RWQCB AS OF 5/20/2012*			

ENVIROSTOR - EnviroStor Database

A search of the ENVIROSTOR database, dated Mar 11, 2019 has found that there are 23 ENVIROSTOR site(s) within approximately 1.00 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
FORMER MONTGOMERY WARD BUILDING	2825 INTERNATIONAL BOULEVARD OAKLAND CA 94601	NNW	0.14 / 738.44	11
	***Estor/EPA ID | Cleanup Status**: 01230003 | CERTIFIED AS OF 8/31/2001*			
ASPIRE ERES ACADEMY	2956 INTERNATIONAL BOULEVARD OAKLAND CA 94601	NE	0.16 / 859.83	17
	***Estor/EPA ID | Cleanup Status**: 60002285 | ACTIVE AS OF 12/15/2015*			

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
ESPOSITO PLATING CORPORATION	2904 CHAPMAN STREET OAKLAND CA 94601	SSW	0.33 / 1,720.59	58
	***Estor/EPA ID | Cleanup Status**: 01340004 | INACTIVE - ACTION REQUIRED AS OF 8/23/2018*			
GOLD SEAL PLATING/SQUIRKENWORKS	3125 E. 7TH STREET OAKLAND CA 94601	S	0.38 / 1,993.47	68
	***Estor/EPA ID | Cleanup Status**: 71002917 | INACTIVE - NEEDS EVALUATION AS OF*			
PG&E - FORMER OAKLAND STATION H	1134 MILLER AVENUE OAKLAND CA 94601	WNW	0.41 / 2,144.93	79
	***Estor/EPA ID | Cleanup Status**: 01490018 | CERTIFIED AS OF 1/20/2004*			
FORMER OAKLAND METAL TREATING	400 DERBY AVE OAKLAND CA 94601	SSW	0.45 / 2,358.17	98
	***Estor/EPA ID | Cleanup Status**: 60001833 | NO FURTHER ACTION AS OF 11/8/2012*			
AMERICAN NATIONAL CAN CO	3801 E 8TH ST OAKLAND CA 946040000	SE	0.49 / 2,611.83	118

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
	***Estor/EPA ID | Cleanup Status**: CAD009162116 |*			
AMERICAN NATIONAL CAN CO	3801 E 8TH ST OAKLAND CA 946040000	SE	0.49 / 2,611.83	118
	***Estor/EPA ID | Cleanup Status**: 80001614 | REFER: RWQCB AS OF 1/1/2008*			
ASCEND SITE	3709 EAST 12TH STREET OAKLAND CA 94601	ESE	0.57 / 3,014.74	122
	***Estor/EPA ID | Cleanup Status**: 01880004 | CERTIFIED AS OF 12/21/2006*			
URBAN PROMISE ACADEMY SITE	2200-2288 EAST 12TH STREET/23RD AVENUE OAKLAND CA 94606	NW	0.65 / 3,419.37	123
	***Estor/EPA ID | Cleanup Status**: 01760047 | INACTIVE - ACTION REQUIRED AS OF 5/12/2004*			
OAKLAND 5	3927 WATTLING STREET OAKLAND CA 94601	SE	0.65 / 3,444.71	124
	***Estor/EPA ID | Cleanup Status**: 60002570 | ACTIVE AS OF 10/20/2017*			
LIFE ACADEMY HIGH SCHOOL	2111 INTERNATIONAL BOULEVARD OAKLAND CA 94606	NW	0.69 / 3,630.82	125
	***Estor/EPA ID | Cleanup Status**: 60001178 | NO FURTHER ACTION AS OF 8/15/2011*			
COLLINS PROPERTY	2235 CLEMENT AVENUE ALAMEDA CA 94501	SW	0.70 / 3,718.97	126
	***Estor/EPA ID | Cleanup Status**: 01390007 | CERTIFIED AS OF 3/15/2007*			
FORMER J. H. BAXTER FACILITY, ALAMEDA	2189, 2199, 2201, 2229 CLEMENT AVENUE ALAMEDA CA 94501	WSW	0.73 / 3,862.36	128
	***Estor/EPA ID | Cleanup Status**: 01240036 | ACTIVE AS OF 10/26/2005*			
PORT OF OAKLAND - EMBARCADERO COVE	DENNISON AND EMBARCADERO STREETS OAKLAND CA 94606	W	0.75 / 3,982.56	129
	***Estor/EPA ID | Cleanup Status**: 01510021 | CERTIFIED / OPERATION & MAINTENANCE AS OF 3/28/1997*			
EKOTEK LUBE	4200 ALAMEDA AVENUE OAKLAND CA 94601	SE	0.77 / 4,047.29	130
	***Estor/EPA ID | Cleanup Status**: 01290024 | REFER: RWQCB AS OF 7/1/1994*			
CLOROX COMPANY	850 42ND AVENUE OAKLAND CA 94601	SE	0.78 / 4,092.28	131
	***Estor/EPA ID | Cleanup Status**: 01280083 | CERTIFIED O&M - LAND USE RESTRICTIONS ONLY AS OF 12/13/1995*			
ELMHURST PROJECT SITE	ELMHURST STREET/92ND AVENUE/F STREET OAKLAND CA 94603	SE	0.80 / 4,203.28	132
	***Estor/EPA ID | Cleanup Status**: 01990024 | INACTIVE - NEEDS EVALUATION AS OF 5/19/2005*			
FOOTHILL CAR WASH	955 HIGH STREET OAKLAND CA 94601	SE	0.80 / 4,203.28	132
	***Estor/EPA ID | Cleanup Status**: 01750035 | NO ACTION REQUIRED AS OF 4/23/2001*			

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
BIG B LUMBERTERIA	301/411 HIGH STREET OAKLAND CA 94601	SSE	0.82 / 4,325.74	133
	***Estor/EPA ID | Cleanup Status**: 01240034 | REFER: RWQCB AS OF 6/8/1994*			
NIRS ALAMEDA FORGE (J09CA0069)	ALAMEDA CA	SW	0.85 / 4,488.40	134
	***Estor/EPA ID | Cleanup Status**: 80000048 | NO FURTHER ACTION AS OF 9/6/2012*			
ALAMEDA, NAVAL AND MARINE RESERVE CENTER	2144 CLEMENT AVENUE ALAMEDA CA 94501	WSW	0.87 / 4,617.63	135
	***Estor/EPA ID | Cleanup Status**: 71000003 | REFER: RWQCB AS OF 5/20/2012*			
2100 CLEMENT AVENUE	2100 CLEMENT AVENUE ALAMEDA CA 94501	WSW	0.92 / 4,835.45	136
	***Estor/EPA ID | Cleanup Status**: 60002415 | NO FURTHER ACTION AS OF 11/7/2016*			

HWP - EnviroStor Hazardous Waste Facilities

A search of the HWP database, dated Mar 11, 2019 has found that there are 1 HWP site(s) within approximately 1.00 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
AMERICAN NATIONAL CAN CO	3801 E 8TH ST OAKLAND CA 946040000	SE	0.73 / 3,855.77	127
	***Estor/EPA ID**: CAD009162116*			

LUST - Leaking Underground Fuel Tank Reports

A search of the LUST database, dated Apr 10, 2019 has found that there are 31 LUST site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
GOODWILL INDUSTRIES	1301 30TH OAKLAND CA 94601	NNE	0.07 / 358.33	5
	***Global ID | Status | Status Date**: T0600101959 | COMPLETED - CASE CLOSED | 1996-02-07 00:00:00*			
MELROSE FORD	3050 INTERNATIONAL OAKLAND CA 94601	ENE	0.17 / 903.99	20
	***Global ID | Status | Status Date**: T0600100883 | COMPLETED - CASE CLOSED | 1996-12-19 00:00:00*			
OIL CHANGER #616	3132 12TH OAKLAND CA 94601	ESE	0.18 / 952.08	21
	***Global ID | Status | Status Date**: T0600101042 | COMPLETED - CASE CLOSED | 1997-10-10 00:00:00*			
ARCO #0402 / PARKING LOT	1450 FRUITVALE OAKLAND CA 94601	E	0.25 / 1,342.16	44
	***Global ID | Status | Status Date**: T06019734265 | COMPLETED - CASE CLOSED | 2018-11-06 00:00:00*			
ST JOSEPH'S PROFESSIONAL CENTER	2647 INTERNATIONAL OAKLAND CA 94601	NNW	0.27 / 1,407.12	48
	***Global ID | Status | Status Date**: T0600102014 | COMPLETED - CASE CLOSED | 1997-05-08 00:00:00*			

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
TRI CITY CLEANERS	2560 INTERNATIONAL OAKLAND CA 94601	NNW	0.31 / 1,625.86	53
	***Global ID | Status | Status Date**: T0600100979 | COMPLETED - CASE CLOSED | 1998-03-30 00:00:00*			
TONY'S EXPRESS AUTO SERVICE	3609 INTERNATIONAL OAKLAND CA 94601	ESE	0.47 / 2,457.99	104
	***Global ID | Status | Status Date**: T0600101680 | COMPLETED - CASE CLOSED | 2011-01-18 00:00:00*			

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
CALTRANS SOUTH OAKLAND MAINTENANCE STATION	1112 29TH AVENUE OAKLAND CA 94601	S	0.02 / 91.95	1
	***Global ID | Status | Status Date**: T0600101631 | COMPLETED - CASE CLOSED | 2011-07-27 00:00:00*			
DEL MONTE PLANT #37	3100 9TH OAKLAND CA 94601	SSW	0.15 / 780.83	15
	***Global ID | Status | Status Date**: T06019745070 | COMPLETED - CASE CLOSED | 2005-01-11 00:00:00*			
DEL MONTE PLANT 37/237	3100 9TH OAKLAND CA 94601	SSW	0.15 / 780.83	15
	***Global ID | Status | Status Date**: T0600100438 | COMPLETED - CASE CLOSED | 1995-10-30 00:00:00*			
SHELL OIL #13-5696	820 PORTWOOD AVE OAKLAND CA 94601	SW	0.25 / 1,309.25	42
	***Global ID | Status | Status Date**: T10000003427 | COMPLETED - CASE CLOSED | 2013-06-27 00:00:00*			
STATE SHINGLE	880 FRUITVALE OAKLAND CA 94601	SSE	0.26 / 1,353.35	45
	***Global ID | Status | Status Date**: T0600101314 | COMPLETED - CASE CLOSED | 1997-01-03 00:00:00*			
LEMOINE COLD STORAGE	630 29TH OAKLAND CA 94601	SW	0.29 / 1,524.30	49
	***Global ID | Status | Status Date**: T0600102114 | COMPLETED - CASE CLOSED | 2014-01-21 00:00:00*			
HANS AND GUNTER ROOFING COMPANY	2834 E 7TH ST. OAKLAND CA 94601	SW	0.31 / 1,613.38	51
	***Global ID | Status | Status Date**: T06019754249 | OPEN - SITE ASSESSMENT | 2004-03-24 00:00:00*			
DELAWARE DEVELOPMENT CORPORATION	2530 INTERNATIONAL OAKLAND CA 94601	NNW	0.34 / 1,789.69	60
	***Global ID | Status | Status Date**: T0600100439 | COMPLETED - CASE CLOSED | 1997-03-04 00:00:00*			
ANFO MANUFACTURING COMPANY	3129 ELMWOOD OAKLAND CA 94601	S	0.35 / 1,828.89	63
	***Global ID | Status | Status Date**: T0600102007 | COMPLETED - CASE CLOSED | 1998-06-22 00:00:00*			
3014 CHAPMAN STREET REDEVELOPMENT	3030 CHAPMAN STREET OAKLAND CA 94601	S	0.35 / 1,835.14	64
	***Global ID | Status | Status Date**: T10000011193 | OPEN - SITE ASSESSMENT | 2018-06-15 00:00:00*			

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
FILLMORE MARKS PROPERTY	534 23RD OAKLAND CA 94606	WSW	0.37 / 1,944.00	67
	***Global ID | Status | Status Date**: T0600101689 | COMPLETED - CASE CLOSED | 1996-10-18 00:00:00*			
EANDI METAL WORKS INC	2440 11TH OAKLAND CA 94606	WNW	0.38 / 2,020.74	69
	***Global ID | Status | Status Date**: T0600100858 | COMPLETED - CASE CLOSED | 2012-09-18 00:00:00*			
EXCHANGE LINEN SERVICE	527 23RD OAKLAND CA 94606	WSW	0.40 / 2,102.18	76
	***Global ID | Status | Status Date**: T0600100995 | COMPLETED - CASE CLOSED | 1996-09-12 00:00:00*			
FIDELITY PACKAGING CORPORATION	646 KENNEDY OAKLAND CA 94606	W	0.42 / 2,215.96	82
	***Global ID | Status | Status Date**: T0600100572 | COMPLETED - CASE CLOSED | 2000-07-10 00:00:00*			
BAY AREA DIABLO PETROLEUM	421 23RD OAKLAND CA 94606	SW	0.43 / 2,285.43	90
	***Global ID | Status | Status Date**: T0600102218 | COMPLETED - CASE CLOSED | 2011-09-01 00:00:00*			
HOLT VISUAL COMMUNICATION	802 KENNEDY OAKLAND CA 94606	W	0.43 / 2,287.64	91
	***Global ID | Status | Status Date**: T0600100712 | COMPLETED - CASE CLOSED | 1999-05-10 00:00:00*			
CREDIT WORLD AUTO SALES	2345 INTERNATIONAL OAKLAND CA 94601	NNW	0.44 / 2,316.99	96
	***Global ID | Status | Status Date**: T0600101337 | COMPLETED - CASE CLOSED | 2017-08-11 00:00:00*			
23RD AVENUE PARTNERS	1125 MILLER OAKLAND CA 94601	WNW	0.44 / 2,324.39	97
	***Global ID | Status | Status Date**: T0600177455 | COMPLETED - CASE CLOSED | 2014-09-02 00:00:00*			
RIGHT AWAY READY MIX INC	435 23RD AVE OAKLAND CA 94606	SW	0.45 / 2,395.31	101
	***Global ID | Status | Status Date**: T0600101141 | COMPLETED - CASE CLOSED | 1990-09-05 00:00:00*			
GLASCOCK AVE WAREHOUSE	2901 GLASCOCK AVE OAKLAND CA 94601	SSW	0.45 / 2,398.03	102
	***Global ID | Status | Status Date**: T0600101809 | COMPLETED - CASE CLOSED | 2009-07-13 00:00:00*			
DEL MONTE PLANT #26	400 LANCASTER OAKLAND CA 94601	S	0.48 / 2,519.67	110
	***Global ID | Status | Status Date**: T0600101952 | COMPLETED - CASE CLOSED | 1996-02-28 00:00:00*			
RIGHT AWAY REDI MIX INC	401 KENNEDY OAKLAND CA 94606	WSW	0.48 / 2,549.64	113
	***Global ID | Status | Status Date**: T0600101140 | COMPLETED - CASE CLOSED | 1994-06-29 00:00:00*			
CHEVRON #9-4612	3616 SAN LEANDRO STREET OAKLAND CA 94601	SE	0.49 / 2,561.19	114
	***Global ID | Status | Status Date**: T0600100333 | OPEN - SITE ASSESSMENT | 1988-07-12 00:00:00*			

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
MEL SENNA BRAKE SERVICE	2301 E 12TH STREET OAKLAND CA 94601	NW	0.50 / 2,637.98	121
	***Global ID | Status | Status Date**: T0600101212 | OPEN - ASSESSMENT & INTERIM REMEDIAL ACTION | 1991-03-01 00:00:00*			

DELISTED LST - Delisted Leaking Storage Tanks

A search of the DELISTED LST database, dated Apr 10, 2019 has found that there are 4 DELISTED LST site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
ARCO #402 / Parking Lot	1450 Fruitvale Avenue, Oakland CA	ENE	0.24 / 1,272.45	38

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
LUCASEY REDEVELOPMENT	2744 EAST 11TH STREET OAKLAND CA 94601	WNW	0.19 / 1,015.95	25
EBMUD	UNKNOWN 7TH ST & 29TH AVE OAKLAND CA 94606	SW	0.31 / 1,616.37	52
RHODES & JAMIESON BATCH PLANT	333 KENNEDY ST OAKLAND CA 94606	WSW	0.48 / 2,541.50	112

UST - Permitted Underground Storage Tank (UST) in GeoTracker

A search of the UST database, dated May 1, 2019 has found that there are 1 UST site(s) within approximately 0.25 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
PORTWOOD SHELL	820 Portwood Ave Oakland CA 94601	SW	0.25 / 1,295.83	40

UST CLOSURE - Proposed Closure of Underground Storage Tank Cases

A search of the UST CLOSURE database, dated Mar 11, 2019 has found that there are 1 UST CLOSURE site(s) within approximately 0.50 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
Earthgrains Baking Company	955 Kennedy Street, Oakland, CA 94606 CA ***Claim Case No**: Claim No. 4424*	WNW	0.48 / 2,539.26	111

HHSS - Historical Hazardous Substance Storage Information Database

A search of the HHSS database, dated Aug 27, 2015 has found that there are 8 HHSS site(s) within approximately 0.25 miles of the

project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
MELROSE FORD	3050 EAST 14TH STREET OAKLAND CA 94601	ENE	0.14 / 754.51	12
PERALTA SERVICE UNION STATION	3132 E. 12TH ST. OAKLAND CA 94601	ESE	0.18 / 955.99	22

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
SOUTH OAKLAND	1112 29TH AVE OAKLAND CA 94601	WNW	0.05 / 243.66	3
OAKLAND PLANT 37	1100 29TH AVE OAKLAND CA 94601	SSW	0.15 / 789.13	16
BW NORTON MFG CO INC	3100 EAST 10TH STREET OAKLAND CA 94601	SE	0.17 / 877.60	19
DEL MONTE-PLANT 37	2980 E 9TH STREET OAKLAND CA 94601	SSW	0.22 / 1,172.00	32
PLANT 237	3100 E 9TH STREET OAKLAND CA 94601	S	0.24 / 1,287.94	39
SAME RONALD O AND JANET MILLER	820 PORTWOOD OAKLAND CA 94601	WSW	0.25 / 1,310.48	43

CERS TANK - California Environmental Reporting System (CERS) Tanks

A search of the CERS TANK database, dated May 6, 2019 has found that there are 1 CERS TANK site(s) within approximately 0.25 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
PORTWOOD SHELL	820 PORTWOOD AVE OAKLAND CA 94601 ***Site ID**: 58255*	WSW	0.25 / 1,310.48	43

DEED - Deed Restrictions and Land Use Restrictions

A search of the DEED database, dated Nov 30, 2018 has found that there are 1 DEED site(s) within approximately 0.50 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
SIGNATURE PROPERTIES	303 & 315 DERBY AVENUE OAKLAND CA 94601	SSW	0.49 / 2,570.60	115

VCP - Voluntary Cleanup Program

A search of the VCP database, dated Mar 11, 2019 has found that there are 2 VCP site(s) within approximately 0.50 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
ESPOSITO PLATING CORPORATION	2904 CHAPMAN STREET OAKLAND CA 94601	SSW	0.33 / 1,720.59	58
	Estor/EPA ID | Cleanup Status: *01340004 | INACTIVE - ACTION REQUIRED AS OF 8/23/2018*			
PG&E - FORMER OAKLAND STATION H	1134 MILLER AVENUE OAKLAND CA 94601	WNW	0.41 / 2,144.93	79
	Estor/EPA ID | Cleanup Status: *01490018 | CERTIFIED AS OF 1/20/2004*			

CLEANUP SITES - GeoTracker Cleanup Program Sites

A search of the CLEANUP SITES database, dated Apr 17, 2019 has found that there are 17 CLEANUP SITES site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
1824 E. 14TH STREET	1824 E. 14TH STREET OAKLAND CA 94606	ENE	0.15 / 774.24	14
	Site Facility Type | Status: *CLEANUP PROGRAM SITE | OPEN - INACTIVE*			
WALT'S TRANSMISSION	1723 FRUITVALE AVENUE OAKLAND CA 94601	NE	0.41 / 2,160.07	80
	Site Facility Type | Status: *CLEANUP PROGRAM SITE | OPEN - INACTIVE*			

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
PACIFIC THOMAS CORP	0 29TH AVENUE OAKLAND CA 94601	WNW	0.02 / 129.01	2
	Site Facility Type | Status: *CLEANUP PROGRAM SITE | OPEN - SITE ASSESSMENT*			
SAFE STORAGE USA	2783 EAST 12TH STREET OAKLAND CA 94601	WNW	0.08 / 446.29	7
	Site Facility Type | Status: *CLEANUP PROGRAM SITE | OPEN - SITE ASSESSMENT*			
29TH AVENUE	0 29TH AVENUE OAKLAND CA 94601	WSW	0.09 / 498.66	8
	Site Facility Type | Status: *CLEANUP PROGRAM SITE | OPEN - ACTIVE*			
LUCASEY MANUFACTURING	2744 11TH OAKLAND CA 94601	W	0.18 / 973.84	23
	Site Facility Type | Status: *CLEANUP PROGRAM SITE | COMPLETED - CASE CLOSED*			

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
ROADWAY EXPRESS,INC	1125 27TH AVE OAKLAND CA 94601	WNW	0.19 / 1,000.86	24
	***Site Facility Type | Status**: CLEANUP PROGRAM SITE | COMPLETED - CASE CLOSED*			
LUCASEY REDEVELOPMENT	2744 EAST 11TH STREET OAKLAND CA 94601	WNW	0.19 / 1,015.95	25
	***Site Facility Type | Status**: CLEANUP PROGRAM SITE | OPEN - ASSESSMENT & INTERIM REMEDIAL ACTION*			
FRUITVALE BART	0 FRUITVALE AVE & 37TH OAKLAND CA 94601	ESE	0.31 / 1,641.07	55
	***Site Facility Type | Status**: CLEANUP PROGRAM SITE | OPEN - INACTIVE*			
F&F PRECISION GRINDING	510 DERBY OAKLAND CA 94601	SSW	0.39 / 2,054.40	71
	***Site Facility Type | Status**: CLEANUP PROGRAM SITE | COMPLETED - CASE CLOSED*			
FORMER INDUSTRIAL STEAM PROPERTY	2985 FORD STREET OAKLAND CA 94601	SSW	0.42 / 2,222.65	83
	***Site Facility Type | Status**: CLEANUP PROGRAM SITE | COMPLETED - CASE CLOSED*			
FRUITVALE TRANSIT VILLAGE	3501-3601 E 12TH ST OAKLAND CA 94601	ESE	0.42 / 2,226.01	84
	***Site Facility Type | Status**: CLEANUP PROGRAM SITE | COMPLETED - CASE CLOSED*			
GLASCOCK PROPERTIES (TOXICS)	2901 GLASCOCK OAKLAND CA 94601	SSW	0.44 / 2,301.77	93
	***Site Facility Type | Status**: CLEANUP PROGRAM SITE | COMPLETED - CASE CLOSED*			
CHEVRON	333 23RD AVE OAKLAND CA 94606	SW	0.47 / 2,484.37	105
	***Site Facility Type | Status**: CLEANUP PROGRAM SITE | COMPLETED - CASE CLOSED*			
SIGNATURE PROPERTIES	303 & 315 DERBY AVENUE OAKLAND CA 94601	SSW	0.49 / 2,570.60	115
	***Site Facility Type | Status**: CLEANUP PROGRAM SITE | OPEN - SITE ASSESSMENT*			
CHEVRON #20-6142 / RMC LONESTAR	333 23RD OAKLAND CA 94606	SW	0.49 / 2,589.98	116
	***Site Facility Type | Status**: CLEANUP PROGRAM SITE | COMPLETED - CASE CLOSED*			
AMERICAN NATIONAL CAN	3801 E 8TH ST OAKLAND CA 94601	SE	0.49 / 2,611.83	118
	***Site Facility Type | Status**: CLEANUP PROGRAM SITE | COMPLETED - CASE CLOSED*			

HIST TANK - Historical Hazardous Substance Storage Container Information - Facility Summary

A search of the HIST TANK database, dated May 27, 1988 has found that there are 8 HIST TANK site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
MELROSE FORD	3050 EAST 14TH STREET OAKLAND CA	ENE	0.14 / 754.51	12
PERALTA SERVICE UNION STATION	3132 E. 12TH ST. OAKLAND CA	ESE	0.18 / 955.99	22

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
SOUTH OAKLAND	1112 29TH AVE OAKLAND CA	WNW	0.05 / 243.66	3
OAKLAND PLANT #37	1100 29TH AVE OAKLAND CA	SSW	0.15 / 789.13	16
B.W. NORTON MFG. CO. INC.	3100 EAST 10TH. STREET OAKLAND CA	SE	0.17 / 877.60	19
DEL MONTE-PLANT #37	2980 E. 9TH STREET OAKLAND CA	SSW	0.22 / 1,172.00	32
PLANT #237	3100 E 9TH STREET OAKLAND CA	S	0.24 / 1,287.94	39
SAME RONALD O & JANET MILLER	820 PORTWOOD OAKLAND CA	WSW	0.25 / 1,310.48	43

County

ALAMEDA LOP - Alameda County - LOP Sites List

A search of the ALAMEDA LOP database, dated Jan 16, 2019 has found that there are 45 ALAMEDA LOP site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
GOODWILL INDUSTRIES	1301 30TH AVE Oakland CA 94601 ***Status Desc**: Case closed, Case closed*	ENE	0.07 / 374.24	6
MELROSE FORD	3050 INTERNATIONAL BLVD Oakland CA 94601 ***Status Desc**: Case closed, Case closed*	ENE	0.14 / 761.84	13

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
OIL CHANGER #616	3132 E 12TH ST Oakland CA 94601	ESE	0.18 / 955.99	22
	***Status Desc**: Case closed, Case closed*			
ARCO #0402 / PARKING LOT	1450 FRUITVALE AVE Oakland CA 94601	ENE	0.24 / 1,272.45	38
	Status Desc**: Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway, Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway, Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway, Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway, Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway, Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway, Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway, Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway, Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway, Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway, Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway, Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway, Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway, Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway, Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway, Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway, Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway, Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway, Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway, Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway, Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway, Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway, Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway, Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway, Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway, Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway, Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway, Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway, Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway, Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway			
ST JOSEPH'S PROFESSIONAL CENTER	2647 INTERNATIONAL BLVD Oakland CA 94601	NNW	0.25 / 1,305.99	41
	***Status Desc**: Case closed, Case closed, Case closed*			
WALT'S TRANSMISSION	1723 FRUITVALE AVE Oakland CA 94601	NE	0.42 / 2,204.97	81
	***Status Desc**: Leak confirmation,Case transferred,Preliminary site assessment underway,Pollution characterization*			
TONY'S EXPRESS AUTO SERVICE	3609 INTERNATIONAL BLVD Oakland CA 94601	ESE	0.47 / 2,487.30	106
	***Status Desc**: Leak confirmation,Pollution characterization,Remedial action underway,Case closed, Leak confirmation,Pollution characterization,Remedial action underway,Case closed, Leak confirmation,Pollution characterization,Remedial action underway,Case closed, Leak confirmation,Pollution characterization,Remedial action underway,Case closed*			
AUGUST MANUFACTURING COMPANY	1466 36TH AVE OAKLAND CA 94601	E	0.47 / 2,496.36	109
	***Status Desc**: Case transferred*			
STOP N GO #1006	2710 FOOTHILL BLVD Oakland CA 94601	NNE	0.49 / 2,593.52	117
	***Status Desc**: Case closed, Case closed, Case closed*			

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
CALTRANS SOUTH OAKLAND MAINTENANCE STATION	1112 29TH AVE Oakland CA 94601	WNW	0.05 / 243.66	3
	***Status Desc**: Pollution characterization,Verification monitoring underway,Case closed, Pollution characterization,Verification monitoring underway,Case closed, Pollution characterization,Verification monitoring underway,Case closed, Pollution characterization,Verification monitoring underway,Case closed, Pollution characterization,Verification monitoring underway,Case closed, Pollution characterization,Verification monitoring underway,Case closed*			

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
LUCASEY MANUFACTURING	2744 E 11TH ST OAKLAND CA 94601	WNW	0.21 / 1,135.04	30
	***Status Desc**: Preliminary site assessment underway,Pollution characterization,Case closed, Preliminary site assessment underway,Pollution characterization,Case closed, Preliminary site assessment underway,Pollution characterization,Case closed, Preliminary site assessment underway,Pollution characterization,Case closed, Preliminary site assessment underway,Pollution characterization,Case closed*			
LUCASEY REDEVELOP	2744 E 11TH ST OAKLAND CA 94601-	WNW	0.21 / 1,135.04	30
	***Status Desc**: Pollution characterization*			
DEL MONTE PLANT #37	3100 E 9TH ST Oakland CA 94601	S	0.24 / 1,287.94	39
	***Status Desc**: Case transferred,Verification monitoring underway, Case transferred,Verification monitoring underway, Case transferred,Verification monitoring underway, Case transferred,Verification monitoring underway*			
DEL MONTE PLANT 37/237	3100 E 9TH ST OAKLAND CA 94601	S	0.24 / 1,287.94	39
	***Status Desc**: Case transferred, Case transferred*			
SHELL OIL #135696	820 PORTWOOD AVE OAKLAND CA 94601	WSW	0.25 / 1,310.48	43
	***Status Desc**: Leak confirmation,Case closed, Leak confirmation,Case closed, Leak confirmation,Case closed, Leak confirmation,Case closed, Leak confirmation,Case closed, Leak confirmation,Case closed*			
STATE SHINGLE	880 FRUITVALE AVE Oakland CA 94601	SSE	0.26 / 1,362.29	46
	***Status Desc**: Case closed, Case closed, Case closed*			
EBMUD	UNK 7TH ST & 29TH AVE OAKLAND CA 94606	SW	0.31 / 1,616.37	52
	***Status Desc**: Leak confirmation,Case transferred, Leak confirmation,Case transferred, Leak confirmation,Case transferred, Leak confirmation,Case transferred, Leak confirmation,Case transferred, Leak confirmation,Case transferred*			
LEMOINE COLD STORAGE	630 29TH AVE Oakland CA 94601	SW	0.31 / 1,631.91	54
	***Status Desc**: Case transferred,Pollution characterization, Case transferred,Pollution characterization, Case transferred,Pollution characterization, Case transferred,Pollution characterization, Case transferred,Pollution characterization, Case transferred,Pollution characterization, Case transferred,Pollution characterization, Case transferred,Pollution characterization*			
HANS AND GUNTER ROOFING COMPANY	2834 E 7TH ST OAKLAND CA 94601	SW	0.31 / 1,651.93	56
	***Status Desc**: Leak confirmation,Pollution characterization, Leak confirmation,Pollution characterization*			
TRI CITY CLEANERS	2560 INTERNATIONAL BLVD Oakland CA 94601	NNW	0.31 / 1,655.02	57
	***Status Desc**: Case closed, Case closed, Case closed*			
DELAWARE DEVELOPMENT CORPORATION	2530 INTERNATIONAL BLVD Oakland CA 94601	NNW	0.33 / 1,747.68	59
	***Status Desc**: Case closed, Case closed*			

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
ANFO MANUFACTURING COMPANY	3129 ELMWOOD AVE Oakland CA 94601	S	0.35 / 1,828.89	63
	***Status Desc**: Case closed, Case closed*			
3014 CHAPMAN STREET REDEVELOPMENT	3014 CHAPMAN ST OAKLAND CA 94601-	S	0.37 / 1,930.33	65
	***Status Desc**: Leak confirmation*			
F&F PRECISION GRINDING	510 DERBY AVE OAKLAND CA 94601	SSW	0.39 / 2,039.80	70
	***Status Desc**: Leak confirmation,Pollution characterization,Case closed*			
EANDI METAL WORKS INC	2440 E 11TH ST OAKLAND CA 94606	WNW	0.39 / 2,060.32	72
	***Status Desc**: Pollution characterization,Case closed, Pollution characterization,Case closed*			
FILLMORE MARKS PROPERTY	534 23RD AVE Oakland CA 94606	WSW	0.39 / 2,063.04	73
	***Status Desc**: Case closed, Case closed*			
EXCHANGE LINEN SERVICE	527 23RD AVE Oakland CA 94606	WSW	0.40 / 2,116.16	77
	***Status Desc**: Case closed, Case closed, Case closed*			
BAY AREA DIABLO PETROLEUM	421 23RD AVE Oakland CA 94606	SW	0.42 / 2,231.95	85
	***Status Desc**: Leak confirmation,Preliminary site assessment underway,Pollution characterization,Case closed, Leak confirmation,Preliminary site assessment underway,Pollution characterization,Case closed, Leak confirmation,Preliminary site assessment underway,Pollution characterization,Case closed, Leak confirmation,Preliminary site assessment underway,Pollution characterization,Case closed, Leak confirmation,Preliminary site assessment underway,Pollution characterization,Case closed, Leak confirmation,Preliminary site assessment underway,Pollution characterization,Case closed, Leak confirmation,Preliminary site assessment underway,Pollution characterization,Case closed, Leak confirmation,Preliminary site assessment underway,Pollution characterization,Case closed*			
23RD AVENUE PARTNERS	1125 MILLER AVE OAKLAND CA 94601	WNW	0.42 / 2,234.78	86
	***Status Desc**: Pollution characterization,Case closed, Pollution characterization,Case closed*			
ERNIE'S AUTOMOTIVE	2400 E 12TH ST Oakland CA 94601	NW	0.43 / 2,251.50	87
	***Status Desc**: Case closed, Case closed, Case closed*			
DEL MONTE PLANT #26	400 LANCASTER ST Oakland CA 94601	S	0.43 / 2,270.05	88
	***Status Desc**: Case closed, Case closed*			
FIDELITY PACKAGING CORPORATION	646 KENNEDY ST Oakland CA 94606	WSW	0.43 / 2,278.22	89
	***Status Desc**: Case closed, Case closed*			
HOLT VISUAL COMMUNICATION	802 KENNEDY ST Oakland CA 94606	W	0.43 / 2,289.58	92

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
	***Status Desc**: Case closed*			
SARONI TOTAL FOOD	727 KENNEDY ST Oakland CA 94606	W	0.44 / 2,311.20	94
	***Status Desc**: Case closed, Case closed, Case closed*			
GLASCOCK AVENUE WAREHOUSE	2901 GLASCOCK AVE Oakland CA 94601	SSW	0.44 / 2,312.92	95
	***Status Desc**: Case transferred, Case transferred, Case transferred*			
GLASCOCK PROPERTIES (TOXICS)	2901 GLASCOCK AVE OAKLAND CA 94601	SSW	0.44 / 2,312.92	95
	***Status Desc**: Case closed, Case closed*			
RIGHT AWAY REDI MIX INC	401 KENNEDY ST Oakland CA 94606	WSW	0.45 / 2,380.81	100
	***Status Desc**: Case closed, Case closed*			
CHEVRON #20-6142 / RMC LONESTAR	333 23RD AVE OAKLAND CA 94606	SW	0.46 / 2,415.31	103
	***Status Desc**: Case closed, Case closed, Case closed*			
TAXI TAXI INC	2345 INTERNATIONAL BLVD Oakland CA 94601	NW	0.47 / 2,487.84	107
	***Status Desc**: Case transferred,Preliminary site assessment underway,Pollution characterization,Remedial action underway, Case transferred,Preliminary site assessment underway,Pollution characterization,Remedial action underway, Case transferred,Preliminary site assessment underway,Pollution characterization,Remedial action underway, Case transferred,Preliminary site assessment underway,Pollution characterization,Remedial action underway, Case transferred,Preliminary site assessment underway,Pollution characterization,Remedial action underway, Case transferred,Preliminary site assessment underway,Pollution characterization,Remedial action underway, Case transferred,Preliminary site assessment underway,Pollution characterization,Remedial action underway*			
CHEVRON #9-4612	3616 SAN LEANDRO ST Oakland CA 94601	SE	0.47 / 2,489.54	108
	***Status Desc**: Pollution characterization, Pollution characterization*			
EARTHGRAINS BAKING COMPANY	955 KENNEDY ST OAKLAND CA 94606	WNW	0.48 / 2,539.26	111
	***Status Desc**: Leak confirmation,Preliminary site assessment workplan submitted,Preliminary site assessment underway,Pollution characterization, Leak confirmation,Preliminary site assessment workplan submitted,Preliminary site assessment underway,Pollution characterization, Leak confirmation,Preliminary site assessment workplan submitted,Preliminary site assessment underway,Pollution characterization, Leak confirmation,Preliminary site assessment workplan submitted,Preliminary site assessment underway,Pollution characterization*			
KILPATRICK'S GARAGE	955 KENNEDY ST Oakland CA 94606	WNW	0.48 / 2,539.26	111
	***Status Desc**: Case closed, Case closed, Case closed*			
RHODES & JAMIESON BATCH PLANT	333 KENNEDY ST OAKLAND CA 94606	WSW	0.48 / 2,541.50	112
	***Status Desc**: Leak confirmation,Case transferred, Leak confirmation,Case transferred, Leak confirmation,Case transferred, Leak confirmation,Case transferred, Leak confirmation,Case transferred, Leak confirmation,Case transferred, Leak confirmation,Case transferred, Leak confirmation,Case transferred*			

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
TSD AMERICAN CAN COMPANY	3801 E 8TH ST Oakland CA 94601	SE	0.49 / 2,611.83	118
	***Status Desc**: Case closed, Case closed*			
MEL SENNA BRAKE SERVICE	2301 E 12TH ST Oakland CA 94601	NW	0.50 / 2,631.74	120
	***Status Desc**: Remediation plan*			

UST ALAMEDA - Alameda County - UST List

A search of the UST ALAMEDA database, dated Apr 10, 2019 has found that there are 1 UST ALAMEDA site(s) within approximately 0.25 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
PORTWOOD SHELL	820 Portwood Ave Oakland CA	WSW	0.25 / 1,310.48	43
	***Facility ID**: FA0321497* ***State Desc**: Active*			

Non Standard

State

SCH - School Property Evaluation Program Sites

A search of the SCH database, dated Mar 11, 2019 has found that there are 3 SCH site(s) within approximately 1.00 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
LIFE ACADEMY HIGH SCHOOL	2111 INTERNATIONAL BOULEVARD OAKLAND CA 94606	NW	0.69 / 3,630.82	125
	***Estor/EPA ID	Cleanup Status**: 60001178	NO FURTHER ACTION AS OF 8/15/2011*			
FOOTHILL CAR WASH	955 HIGH STREET OAKLAND CA 94601	SE	0.80 / 4,203.28	132
	***Estor/EPA ID	Cleanup Status**: 01750035	NO ACTION REQUIRED AS OF 4/23/2001*			
ELMHURST PROJECT SITE	ELMHURST STREET/92ND AVENUE/F STREET OAKLAND CA 94603	SE	0.80 / 4,203.28	132
	***Estor/EPA ID	Cleanup Status**: 01990024	INACTIVE - NEEDS EVALUATION AS OF 5/19/2005*			

CERS HAZ - California Environmental Reporting System (CERS) Hazardous Waste Sites

A search of the CERS HAZ database, dated May 6, 2019 has found that there are 1 CERS HAZ site(s) within approximately 0.12 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Fire Station #13	1225 DERBY AVE OAKLAND CA 94601	E	0.10 / 515.08	9

DELISTED HAZ - Delisted Environmental Reporting System (CERS) Hazardous Waste Sites

A search of the DELISTED HAZ database, dated Nov 29, 2018 has found that there are 6 DELISTED HAZ site(s) within approximately 0.50 miles of the project property.

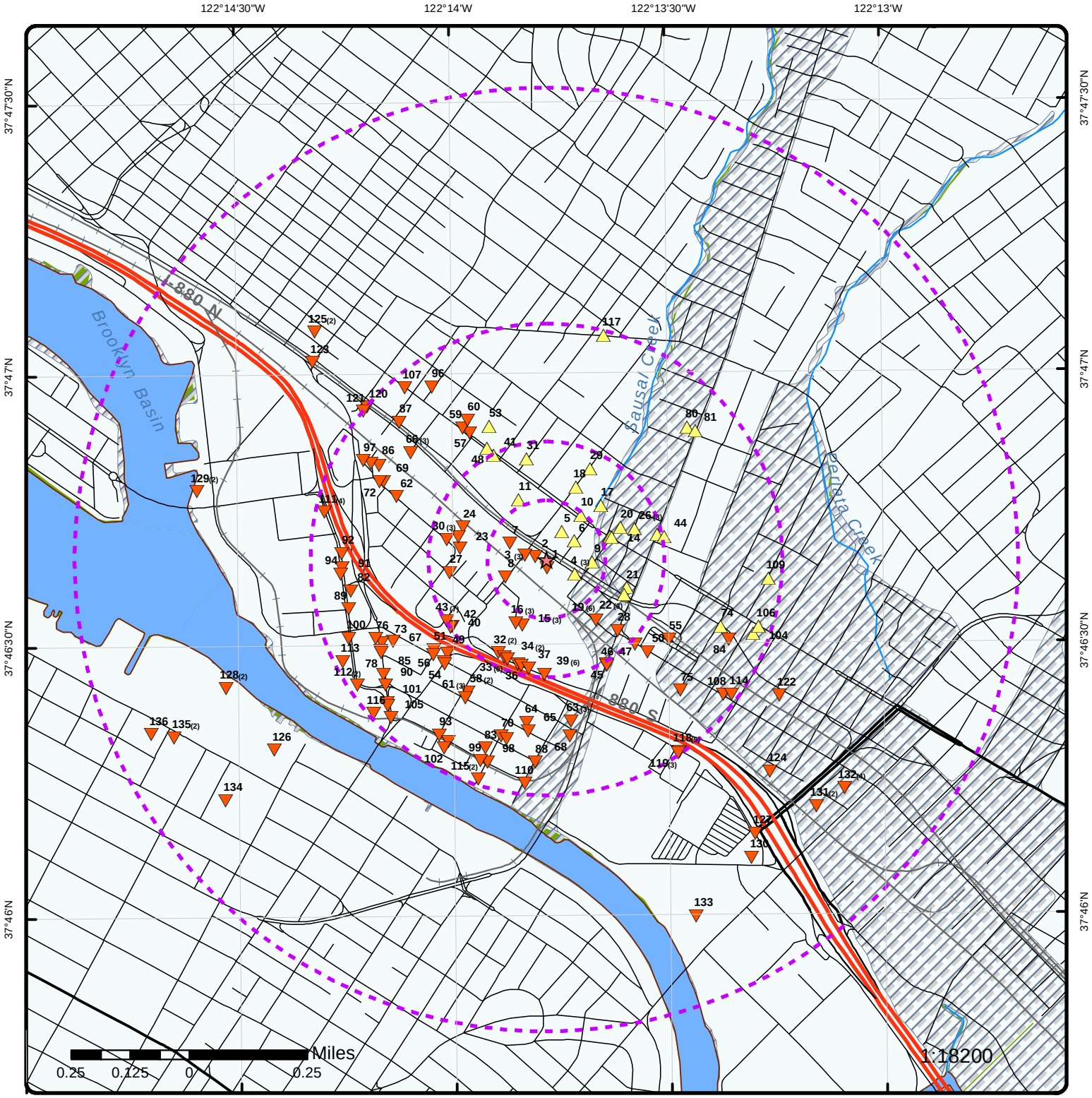
Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
Dreisbach Enterprises	2530 E 11TH ST OAKLAND CA 94601	WNW	0.34 / 1,819.52	62
An-Fo Manufacturing Company, Inc.	3129 ELMWOOD AVE OAKLAND CA 94601	S	0.35 / 1,828.89	63
Brighten Restaurant Service Company	910 35TH AVE OAKLAND CA 94601	SE	0.40 / 2,096.25	75
AIC Labs Building 1	501 23RD AVE OAKLAND CA 94606	WSW	0.40 / 2,125.95	78
T. Gary Rogers Rowing Center	2999 GLASCOCK ST OAKLAND CA 94601	SSW	0.45 / 2,367.52	99
The Earthgrains Baking Company, Inc	955 KENNEDY STREET OAKLAND CA 94606	WNW	0.48 / 2,539.26	111

EMISSIONS - Toxic Pollutant Emissions Facilities

A search of the EMISSIONS database, dated Dec 31, 2016 has found that there are 15 EMISSIONS site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
H & H AUTO COLLISION, INC	3031 E 12TH STREET OAKLAND CA 94601	ESE	0.07 / 357.04	4
BLUE BIRD BODY SHOP	3031 E 12TH STREET OAKLAND CA 94601	ESE	0.07 / 357.04	4
MELROSE FORD	1410 31ST AVENUE OAKLAND CA 94601	ENE	0.20 / 1,046.91	26
PRO SPEED AUTO BODY	1410 31ST AVENUE OAKLAND CA 94601	ENE	0.20 / 1,046.91	26

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
BW NORTON MFG CO, INC	3100 E 10TH STREET OAKLAND CA 94601	SE	0.17 / 877.60	19
NORTON PACKAGING, INC	3100 E 10TH STREET OAKLAND CA 94601	SE	0.17 / 877.60	19
CLEVELAND STEEL CONTAINER	3100 E 10TH STREET OAKLAND CA 94601	SE	0.17 / 877.60	19
ESPINOZA'S TIRE & BODY SHOP	1001 FRUITVALE AVE OAKLAND CA 94601	SE	0.21 / 1,124.72	28
ALBERTSONS #7049	3000 E 9TH STREET OAKLAND CA 94601	SSW	0.22 / 1,187.36	33
FOOD MAXX #484	3000 E 9TH STREET OAKLAND CA 94601	SSW	0.22 / 1,187.36	33
ALBERTSON'S,LLC#7049	3000 E 9TH STREET OAKLAND CA 94601	SSW	0.22 / 1,187.36	33
LUCKY #735	3000 E 9TH STREET OAKLAND CA 94601	SSW	0.22 / 1,187.36	33
SAVE MART #735	3000 E 9TH STREET OAKLAND CA 94601	SSW	0.22 / 1,187.36	33
CALIF-WASHINGTON CAN CORP	3100 E 9TH STREET OAKLAND CA 94601	S	0.24 / 1,287.94	39
DEL MONTE CORPORATION - CAN MF	3100 E 9TH STREET OAKLAND CA 94601	S	0.24 / 1,287.94	39



Map : 1 Mile Radius

Order No: 20190527022

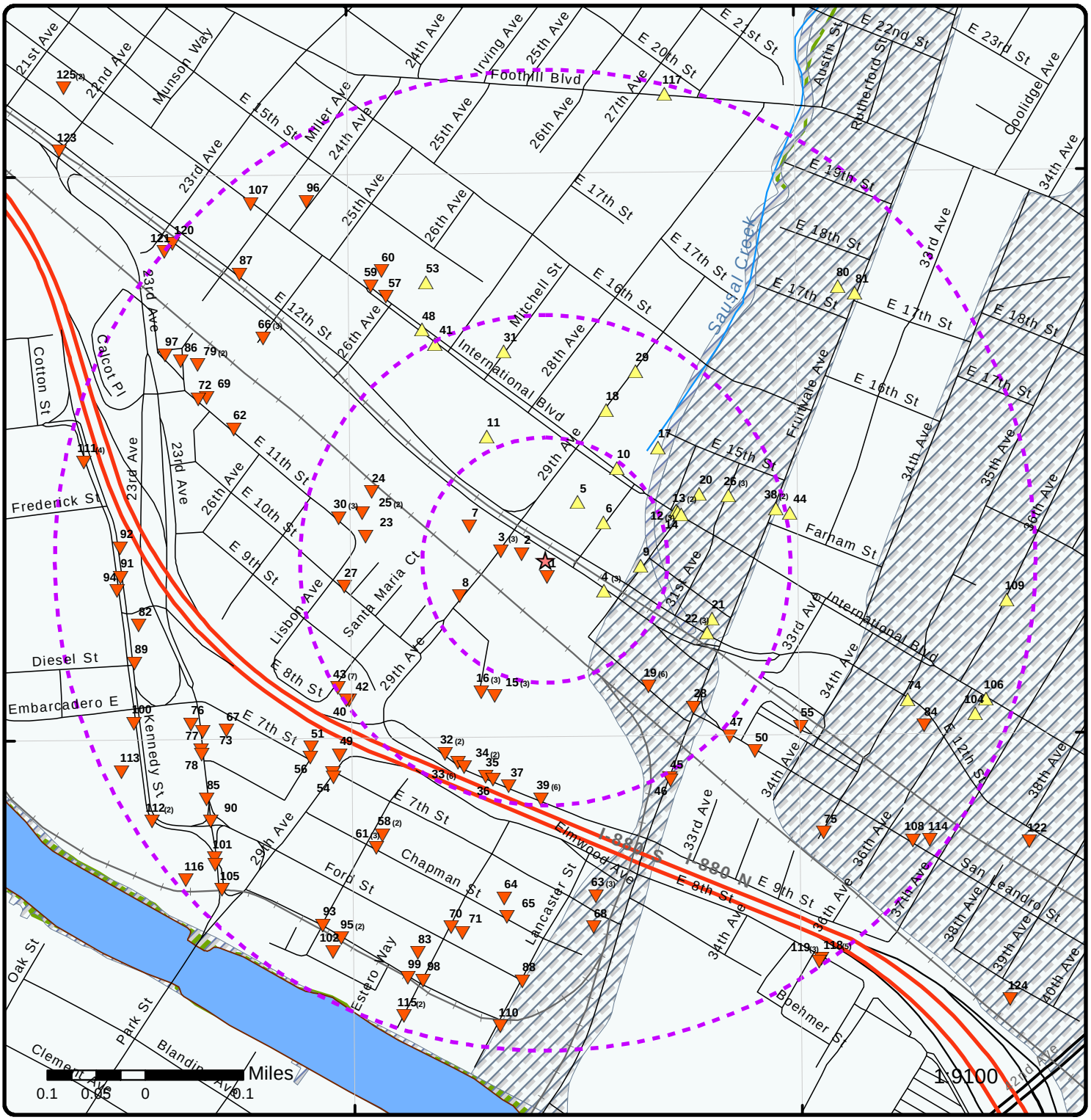
Address: 2901 East 12th Street, Oakland, CA, 94601

[redacted]

Project Property	Rails	State Boundary	FWS Special Designation Areas
Buffer Outline	Major Highways	National Priority List Sites	State Brownfield Sites
Eris Sites with Higher Elevation	Major Highways Ramps	National Wetland	State Brownfield Areas
Eris Sites with Same Elevation	Major Roads	Indian Reserve Land	State Superfund Areas:Dept. of Defense
Eris Sites with Lower Elevation	Major Roads Ramps	Historic Fill	State Superfund Areas:NPL
Eris Sites with Unknown Elevation	Secondary Roads	100 Year Flood Zone	WQARF Areas
County Boundary	Secondary Roads Ramps	500 Year Flood Zone	Federal Lands: Dept. of Defense (owned/administered areas)
	Local Roads and Ramps		

Source: © 2016 ESRI

© ERIS Information Inc.



Map : 0.5 Mile Radius

Order No: 20190527022

Address: 2901 East 12th Street, Oakland, CA, 94601

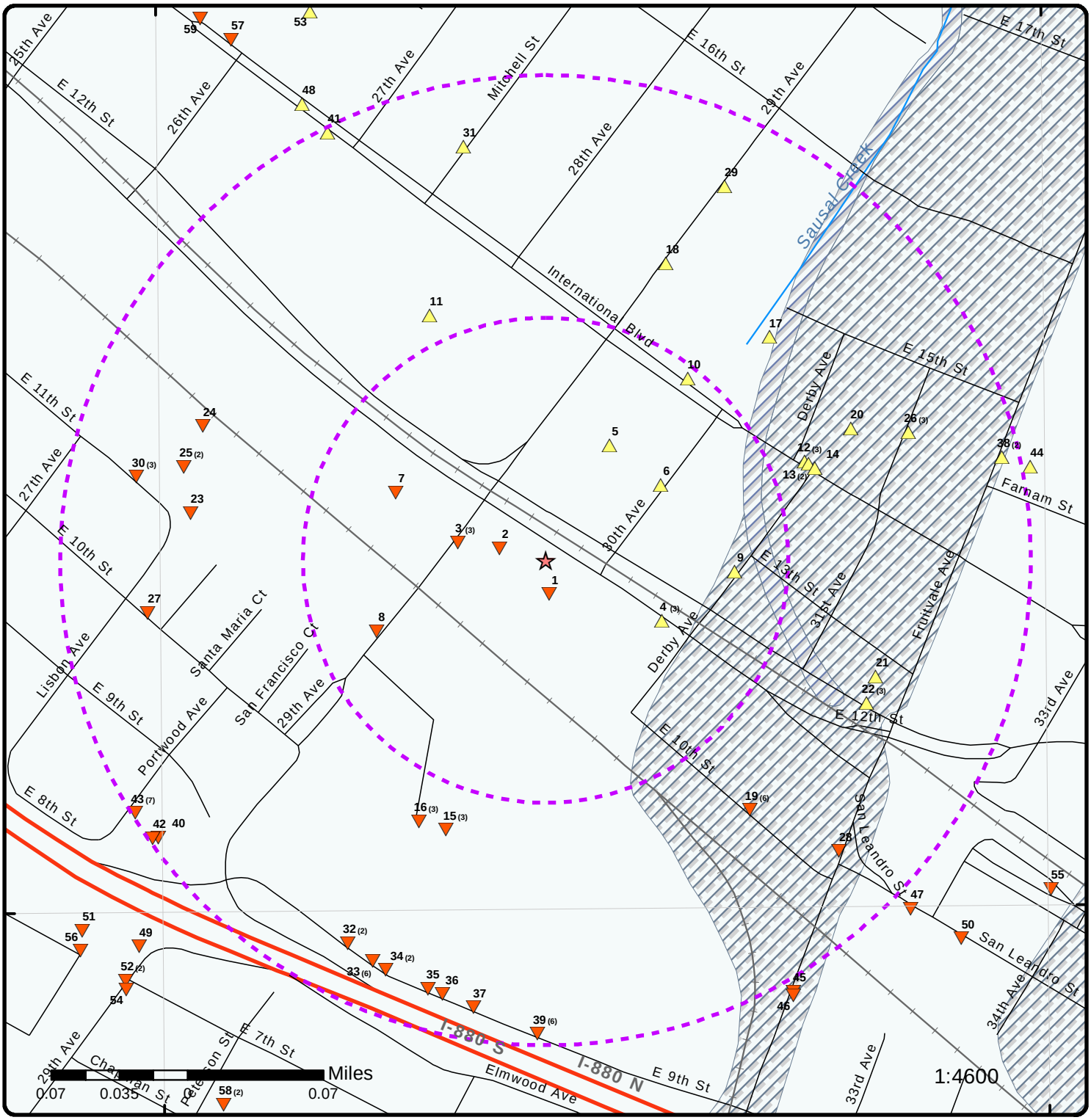
[redacted]

Project Property	Rails	State Boundary	FWS Special Designation Areas
Buffer Outline	Major Highways	National Priority List Sites	State Brownfield Sites
Eris Sites with Higher Elevation	Major Highways Ramps	National Wetland	State Brownfield Areas
Eris Sites with Same Elevation	Major Roads	Indian Reserve Land	State Superfund Areas:Dept. of Defense
Eris Sites with Lower Elevation	Major Roads Ramps	Historic Fill	State Superfund Areas:NPL
Eris Sites with Unknown Elevation	Secondary Roads	100 Year Flood Zone	WQARF Areas
County Boundary	Secondary Roads Ramps	500 Year Flood Zone	Federal Lands: Dept. of Defense (owned/administered areas)
	Local Roads and Ramps		

Source: © 2016 ESRI

© ERIS Information Inc.

122°14'W 122°13'30"W



Map : 0.25 Mile Radius

Order No: 20190527022

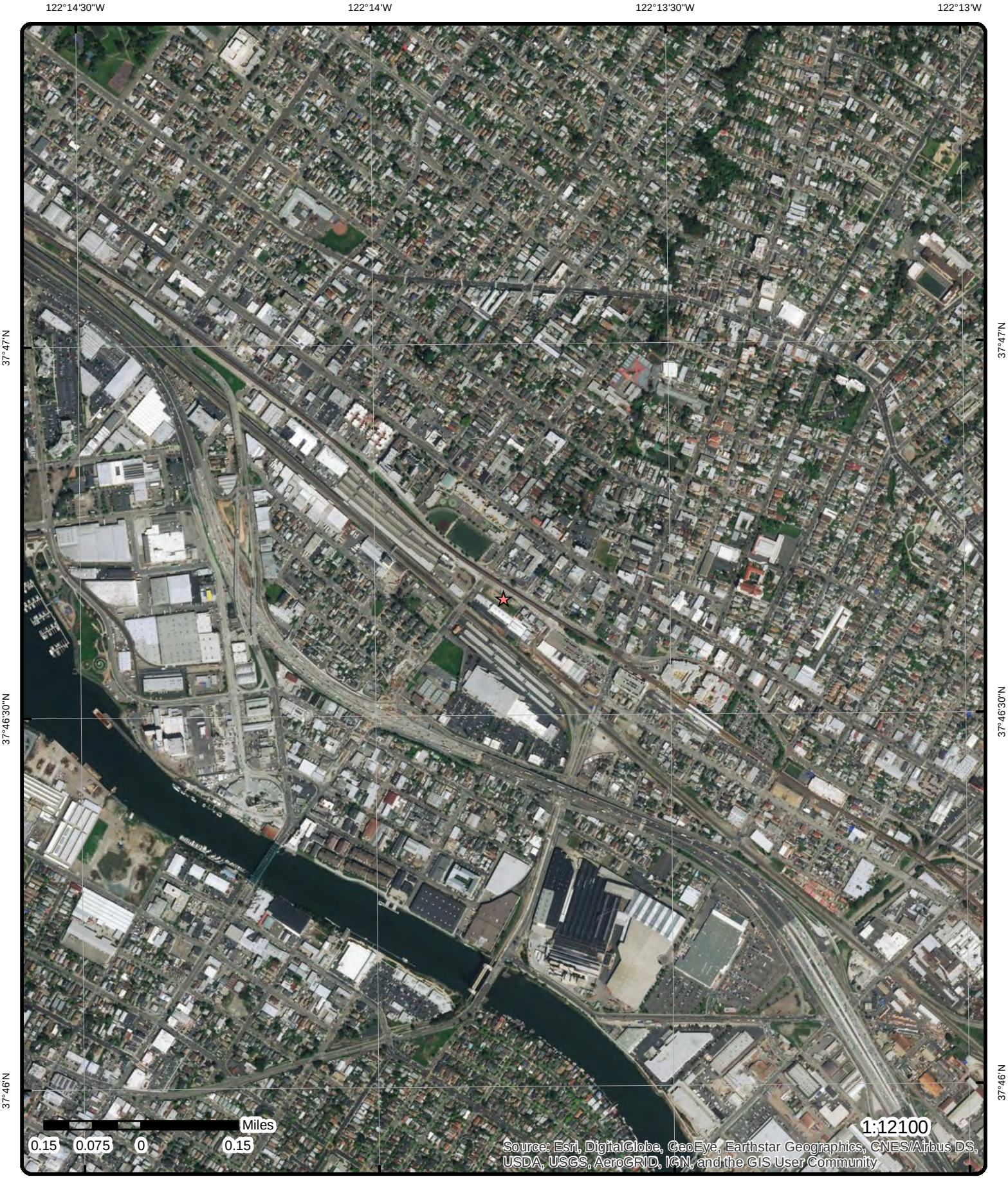
Address: 2901 East 12th Street, Oakland, CA, 94601

[redacted]

Project Property	Rails	State Boundary	FWS Special Designation Areas
Buffer Outline	Major Highways	National Priority List Sites	State Brownfield Sites
Eris Sites with Higher Elevation	Major Highways Ramps	National Wetland	State Brownfield Areas
Eris Sites with Same Elevation	Major Roads	Indian Reserve Land	State Superfund Areas:Dept. of Defense
Eris Sites with Lower Elevation	Major Roads Ramps	Historic Fill	State Superfund Areas:NPL
Eris Sites with Unknown Elevation	Secondary Roads	100 Year Flood Zone	WQARF Areas
County Boundary	Secondary Roads Ramps	500 Year Flood Zone	Federal Lands: Dept. of Defense (owned/administered areas)
	Local Roads and Ramps		

Source: © 2016 ESRI

© ERIS Information Inc.



Aerial (2017)

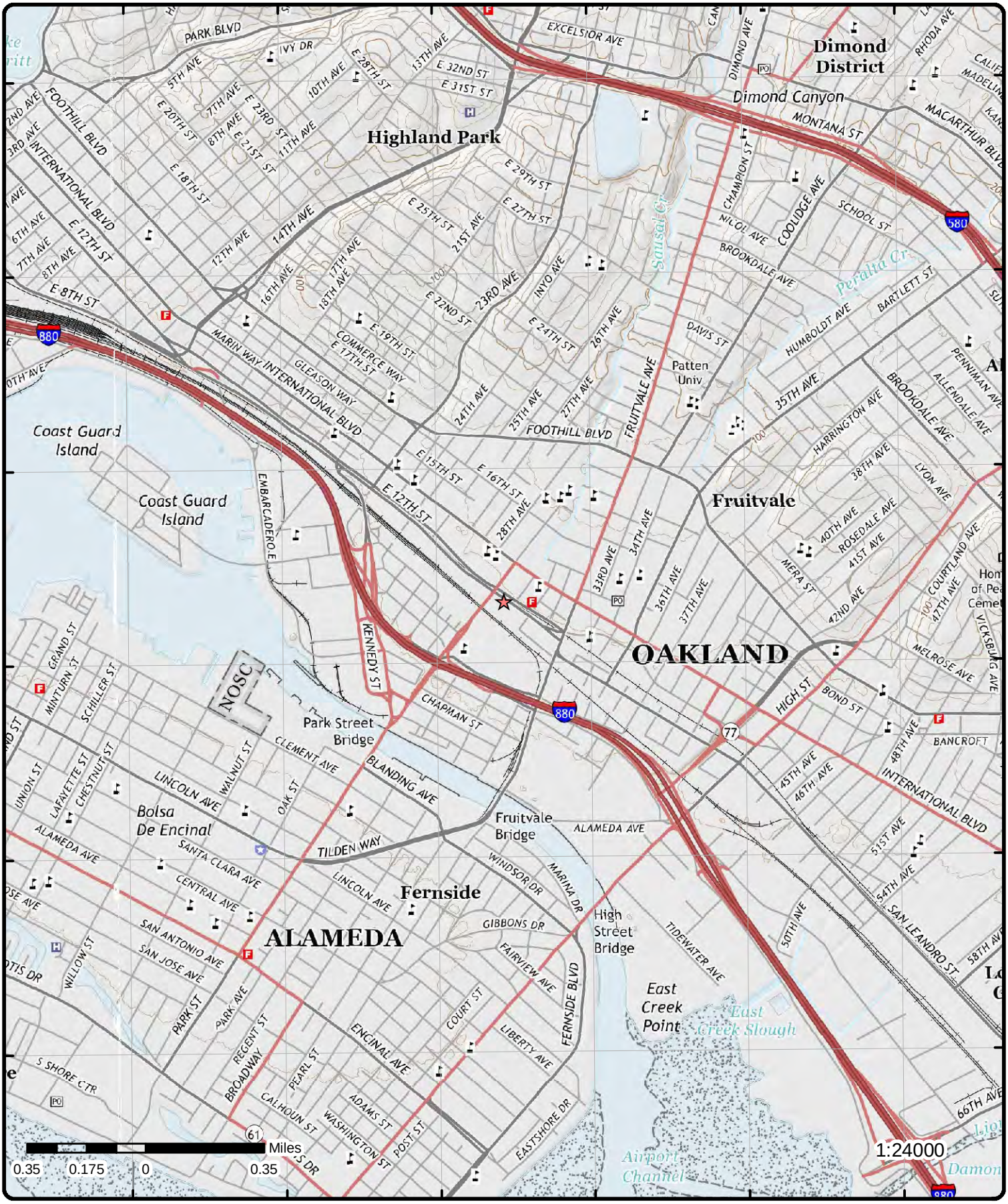
Order No: 20190527022

Address: 2901 East 12th Street, Oakland, CA, 94601

Source: ESRI World Imagery

ENVIRONMENTAL RISK INFORMATION SERVICES

© ERIS Information Inc.



Topographic Map (2015)

Order No: 20190527022

Address: 2901 East 12th Street, Oakland, CA, 94601

Quadrangle(s): Oakland West, CA; Oakland East, CA;

Source: USGS Topographic Map

© ERIS Information Inc.

Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	1 of 1	S	0.02 / 91.95	37.04 / -1	CALTRANS SOUTH OAKLAND MAINTENANCE STATION 1112 29TH AVENUE OAKLAND CA 94601	LUST

Global ID: T0600101631
Status: COMPLETED - CASE CLOSED
Status Date: 2011-07-27 00:00:00
Case Type: LUST CLEANUP SITE
Date Source: LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download
County: ALAMEDA
Latitude: 37.777358
Longitude: -122.229702

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case Number: 01-1763
Local Case Number: RO0000397
Begin Date: 1996-03-10 00:00:00
Lead Agency: ALAMEDA COUNTY LOP
Local Agency:
CUF Case: NO
Potential COC: Gasoline
How Discovered: Tank Closure
Stop Method: Close and Remove Tank
Stop Description:
Case Worker:
File Location: All Files are on GeoTracker or in the Local Agency Database

Potential Media of Concern: Other Groundwater (uses other than drinking water)
How Discovered Description:
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
DWR GW Subbasin Name: Santa Clara Valley - East Bay Plain (2-009.04)
Disadvantaged Community:
Site History:

The site is located at 1112 29th Avenue, Oakland in a commercial and industrial area, and is currently used by Caltrans as vehicle storage and maintenance station. Lithology beneath the site consists of sand and gravel fill below and asphalt concrete pavement from the ground surface to depths ranging from three to five feet below ground surface (bgs). Underlying the fill material are fine grain soils consisting primarily of inter-bedded clayey sands and silts, and clays to a depth of approximately 25 feet bgs. One 4,000-gallon UST and one 2,000-gallon UST were removed from the site on March 11, 1997. Associated piping and fuel dispensers were also removed at that time. Eight soil samples were collected from the tank pit excavation and soil stockpile, and approximately 52 tons of soil was removed and disposed of off-site. Analysis soil samples collected from the tank pit indicated that an unauthorized release had occurred, and concentrations of up to 380 ppm TPHg, 1.65 ppm Benzene, 11.86 ppm Toluene, 8.04 ppm Ethylbenzene, 48.86 ppm Xylenes, and 9.15 ppm MTBE were detected in soil. On April 6 and 7, 1999, soil and grab groundwater samples were collected from six soil borings (B-1 through B-6) installed at the site. Soil sampling data detected TPHg and MTBE at maximum levels of up to 13 ppm and 0.16 ppm in soil, respectively. Groundwater data collected during the investigation detected up to 520 µg/L TPHg and 6,600 µg/L MtBE. On August 13, 1999, soil and groundwater samples were collected from three additional borings (B-7 through B-9) were installed along the property boundary. MTBE, Benzene and TPHg were detected in groundwater samples at concentrations of up to 3,800 µg/L, 220 µg/L and 5,600 µg/L, respectively, while TPHg and MTBE were detected in soil samples at concentrations of up to 0.54 ppm and 0.011 ppm, respectively. Four groundwater monitoring wells (MW1 through MW4) were installed on June 8, 2000 and a program of groundwater monitoring and sampling was implemented after well installation. Soil samples collected during the well installation detected TPHd and MTBE to the south of the former USTs at concentrations of up to 23 ppm and 0.52 ppm, respectively. MTBE was detected in all groundwater samples and was reported highest south of the former USTs (MW-3). TPHg, VOCs, and BTEX (Benzene, Toluene, Ethylbenzene, and Xylenes) were detected directly north and south of former USTs in the groundwater. On August 24, 2001 three soil borings (B-10 through B-12) were installed offsite to define the lateral extent of contamination downgradient of the site. TPHg, BTEX and MTBE were not detected in soil above laboratory reporting limits. Groundwater samples detected maximum concentrations of up to 2.1 µg/L MTBE southwest of the site, while TPHg and BTEX were not detected above laboratory reporting limits. Groundwater monitoring has been conducted at the site from June 2000 to May of 2005. Groundwater gradient has typically been toward the southwest, with groundwater elevations between 8 feet to 10 feet below ground surface. The most recent groundwater data collected in May 2005 detected elevated levels of up to 1,300 µg/L TPHg, 40 µg/L benzene 3,200 µg/L MTBE and 890 µg/L TBA.

Regulatory Activity

Action Type: ENFORCEMENT
Date : 2011-07-25 00:00:00
Action: Closure/No Further Action Letter - #20110725

Action Type: RESPONSE
Date : 2011-06-29 00:00:00
Action: Well Destruction Report

Action Type: ENFORCEMENT
Date : 2011-05-18 00:00:00
Action: Staff Letter - #20110518

Action Type: ENFORCEMENT
Date : 2010-10-05 00:00:00
Action: Staff Letter - #20101005

Action Type: ENFORCEMENT
Date : 2010-09-03 00:00:00
Action: Notification - Public Notice of Case Closure - #20100903

Action Type: ENFORCEMENT
Date : 2009-12-16 00:00:00
Action: File review

Action Type: ENFORCEMENT
Date : 2009-07-24 00:00:00
Action: Staff Letter - #20090724

Action Type: Other
Date : 1997-05-05 00:00:00
Action: Leak Reported

Action Type: REMEDIATION
Date : 1997-03-11 00:00:00
Action: Excavation

Action Type: Other
Date : 1996-03-10 00:00:00
Action: Leak Discovery

Action Type: Other
Date : 1996-03-10 00:00:00
Action: Leak Stopped

Regulatory Contacts

Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
City: OAKLAND
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
Email:
Phone Number:

Status History

Status: Completed - Case Closed
Status Date: 2011-07-27 00:00:00

Status: Open - Site Assessment
Status Date: 2005-06-20 00:00:00

Status: Open - Verification Monitoring
Status Date: 1997-05-02 00:00:00

Status: Open - Case Begin Date
Status Date: 1996-03-10 00:00:00

LUST Cleanup Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)

Site Facility Name: CALTRANS SOUTH OAKLAND MAINTENANCE STATION
Address: 1112 29TH AVENUE

Site Facility Type:	LUST CLEANUP SITE	***City:***	OAKLAND
Cleanup Status:	COMPLETED - CASE CLOSED	***Zip:***	94601
Project Status:		***County:***	ALAMEDA
Potential COC:	GASOLINE	***CUF Claim:***	
WDR Place Type:		***CUF Priority Assig:***	
WDR File:		***CUF Amount Paid:***	
WDR Order:			

File Location: ALL FILES ARE ON GEOTRACKER OR IN THE LOCAL AGENCY DATABASE
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: http://geotracker.waterboards.ca.gov/profile_report?global_id=T0600101631
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 7/27/2011
Cleanup History Link: http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0600101631&tabname=regulatoryhistory
Potential Media Of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
User Defined Beneficial Use: GW - MUNICIPAL AND DOMESTIC SUPPLY
DWR GW Sub Basin: Santa Clara Valley - East Bay Plain (2-009.04)
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: ALAMEDA COUNTY LOP (LEAD) - CASE #: RO0000397
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 01-1763
CASEWORKER: Regional Water Board

Site History:

The site is located at 1112 29th Avenue, Oakland in a commercial and industrial area, and is currently used by Caltrans as vehicle storage and maintenance station.

Lithology beneath the site consists of sand and gravel fill below and asphalt concrete pavement from the ground surface to depths ranging from three to five feet below ground surface (bgs). Underlying the fill material are fine grain soils consisting primarily of inter-bedded clayey sands and silts, and clays to a depth of approximately 25 feet bgs.

One 4,000-gallon UST and one 2,000-gallon UST were removed from the site on March 11, 1997. Associated piping and fuel dispensers were also removed at that time. Eight soil samples were collected from the tank pit excavation and soil stockpile, and approximately 52 tons of soil was removed and disposed of off-site. Analysis soil samples collected from the tank pit indicated that an unauthorized release had occurred, and concentrations of up to 380 ppm TPHg, 1.65 ppm Benzene, 11.86 ppm Toluene, 8.04 ppm Ethylbenzene, 48.86 ppm Xylenes, and 9.15 ppm MTBE were detected in soil.

On April 6 and 7, 1999, soil and grab groundwater samples were collected from six soil borings (B-1 through B-6) installed at the site. Soil sampling data detected TPHg and MTBE at maximum levels of up to 13 ppm and 0.16 ppm in soil, respectively. Groundwater data collected during the investigation detected up to 520 µg/L TPHg and 6,600 µg/L MtBE. On August 13, 1999, soil and groundwater samples were collected from three additional borings (B-7 through B-9) were installed along the property boundary. MTBE, Benzene and TPHg were detected in groundwater samples at concentrations of up to 3,800 µg/L, 220 µg/L and 5,600 µg/L, respectively, while TPHg and MTBE were detected in soil samples at concentrations of up to 0.54 ppm and 0.011 ppm, respectively.

Four groundwater monitoring wells (MW1 through MW4) were installed on June 8, 2000 and a program of groundwater monitoring and sampling was implemented after well installation. Soil samples collected during the well installation detected TPHd and MTBE to the south of the former USTs at concentrations of up to 23 ppm and 0.52 ppm, respectively. MTBE was detected in all groundwater samples and was reported highest south of the former USTs (MW-3). TPHg, VOCs, and BTEX (Benzene, Toluene, Ethylbenzene, and Xylenes) were detected directly north and south of former USTs in the groundwater.

On August 24, 2001 three soil borings (B-10 through B-12) were installed offsite to define the lateral extent of contamination downgradient of the site. TPHg, BTEX and MTBE were not detected in soil above laboratory reporting limits. Groundwater samples detected maximum concentrations of up to 2.1 µg/L MTBE southwest of the site, while TPHg and BTEX were not detected above laboratory reporting limits.

Groundwater monitoring has been conducted at the site from June 2000 to May of 2005. Groundwater gradient has typically been toward the southwest, with groundwater elevations between 8 feet to 10 feet below ground surface. The most recent groundwater data collected in May 2005 detected elevated levels of up to 1,300 µg/L TPHg, 40 µg/L benzene 3,200 µg/L MTBE and 890 µg/L TBA.

LUST Cleanup Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)

Status: Completed - Case Closed
Date : 7/27/2011

Status: Open - Site Assessment
Date : 6/20/2005

Status: Open - Verification Monitoring
Date : 5/2/1997

Status: Open - Case Begin Date
Date : 3/10/1996

LUST Cleanup Sites from GeoTracker Search - Cleanup Action(as of Jan 18, 2019)

Action Type: EXCAVATION
Begin Date: 3/11/1997
Phase: Soil
End Date: 3/11/1997
Contaminant Mass Removed:
Description:

LUST Cleanup Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)

Action Type: Other Regulatory Actions
Action Date: 7/25/2011
Received Issue Date: 7/25/2011
Action: Closure/No Further Action Letter - #20110725
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101631&enforcement_id=6093484&temptable=ENFORCEMENT

Action Type: Response Requested - Reports
Action Date: *6/29/2011
Received Issue Date: 6/29/2011
Action: Well Destruction Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101631&doc_id=5696247

Action Type: Other Regulatory Actions
Action Date: 5/18/2011
Received Issue Date: 5/18/2011
Action: Staff Letter - #20110518
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101631&enforcement_id=6087880&temptable=ENFORCEMENT

Action Type: Other Regulatory Actions
Action Date: 10/5/2010
Received Issue Date: 10/5/2010
Action: Staff Letter - #20101005
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101631&enforcement_id=6065772&temptable=ENFORCEMENT

Action Type: Notices
Action Date: 9/3/2010
Received Issue Date: 9/3/2010
Action: Notification - Public Notice of Case Closure - #20100903
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101631&enforcement_id=6063888&temptable=ENFORCEMENT

Action Type: Other Regulatory Actions
Action Date: 12/16/2009
Received Issue Date: 12/16/2009
Action: File review
Doc Link:

Action Type: Other Regulatory Actions
Action Date: 7/24/2009
Received Issue Date: 7/24/2009
Action: Staff Letter - #20090724
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101631&enforcement_id=6025109&temptable=ENFORCEMENT

Action Type: Leak Action
Action Date: 5/5/1997
Received Issue Date:
Action: Leak Reported
Doc Link:

Action Type: Cleanup Action
Action Date: 3/11/1997

Received Issue Date:
Action: Excavation
Doc Link:

Action Type: Leak Action
Action Date: 3/10/1996
Received Issue Date:
Action: Leak Stopped
Doc Link:

Action Type: Leak Action
Action Date: 3/10/1996
Received Issue Date:
Action: Leak Discovery
Doc Link:

LUST Cleanup Sites from GeoTracker Search - Site Maps(as of Jan 18, 2019)

Title: GEO_MAP
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/1865143299/T0600101631.PDF
Size : 153 KB
Submitted By: ANDREW LEHANE (AUTH_RP)
Submitted: 1/21/2009

Title: GEO_MAP
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/8595503091/T0600101631.pdf
Size : 63 KB
Submitted By: JOHN LOVE (AUTH_RP)
Submitted: 12/21/2006

LUST Cleanup Sites from GeoTracker Search - Documents(as of Jan 18, 2019)

Document Type: Site Documents ***Size :***
Document Date: 7/25/2011 ***Submitted By:*** BARBARA JAKUB (REGULATOR)
Type: CLOSURE/NO FURTHER ACTION LETTER ***Submitted:***
Title: CLOS_L_2011-07-25
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101631&enforcement_id=6093484

Document Type: Site Documents ***Size :*** 4,691 KB
Document Date: 6/20/2011 ***Submitted By:*** JACK HARDIN (AUTH_RP)
Type: WELL DESTRUCTION REPORT ***Submitted:***
Title: WELL DESTRUCTION REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2077283501/T0600101631.PDF

Document Type: Site Documents ***Size :***
Document Date: 5/18/2011 ***Submitted By:*** BARBARA JAKUB (REGULATOR)
Type: STAFF LETTER ***Submitted:***
Title: DIR_L_2011-05-18
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101631&enforcement_id=6087880

Document Type: Site Documents ***Size :***
Document Date: 10/5/2010 ***Submitted By:*** BARBARA JAKUB (REGULATOR)
Type: STAFF LETTER ***Submitted:***
Title: DIR_L_2010-10-05
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101631&enforcement_id=6065772

Document Type: Site Documents ***Size :***
Document Date: 9/3/2010 ***Submitted By:*** BARBARA JAKUB (REGULATOR)
Type: NOTIFICATION - PUBLIC NOTICE OF CASE CLOSURE ***Submitted:***
Title: DIR_L_2010-09-03
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101631&enforcement_id=6063888

Document Type: Site Documents ***Size :*** 712 KB
Document Date: 10/20/2009 ***Submitted By:*** ANDREW LEHANE (AUTH_RP)
Type: WELL DESTRUCTION WORKPLAN ***Submitted:***
Title: WELL DESTRUCTION WORK PLAN

Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6277975797/T0600101631.PDF

Document Type: Site Documents
Size : 52 KB
Document Date: 8/17/2009
Submitted By: ANDREW LEHANE (AUTH_RP)
Type: REQUEST FOR CLOSURE
Submitted:
Title: GROUNDWATER MONITORING SCHEDULE & CASE CLOSURE STATUS REQUEST
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9346895515/T0600101631.PDF

Document Type: Site Documents
Size :
Document Date: 7/24/2009
Submitted By: STEVEN PLUNKETT (REGULATOR)
Type: STAFF LETTER
Submitted:
Title: DIR_L
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101631&enforcement_id=6025109

Document Type: Site Documents
Size : 35 KB
Document Date: 1/9/2007
Submitted By: ANDREW LEHANE (AUTH_RP)
Type: CORRESPONDENCE
Submitted:
Title: LANDOWNER FORM
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7481919646/T0600101631.PDF

Document Type: Monitoring Reports
Size : 1,062 KB
Document Date: 12/21/2006
Submitted By: JOHN LOVE (AUTH_RP)
Type: MONITORING REPORT - ANNUAL
Submitted:
Title: 2005 ANNUAL GW MONITORING REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6133288323/T0600101631.PDF

Document Type: Site Documents
Size : 4,209 KB
Document Date: 8/7/2006
Submitted By: JOHN LOVE (AUTH_RP)
Type: REPORTS - CLOSURE RPT.
Submitted:
Title: LOW RISK CASE CLOSURE SUMMARY REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5579481363/T0600101631.PDF

2	1 of 1	WNW	0.02 / 129.01	37.35 / 0	PACIFIC THOMAS CORP 0 29TH AVENUE OAKLAND CA 94601	CLEANUP SITES

Global ID: T10000001070
Site Facility Type: CLEANUP PROGRAM SITE
Status: OPEN - SITE ASSESSMENT
County: ALAMEDA
Status Date: 2007-06-06 00:00:00
Latitude: 37.7777025903742
Site Code:
Longitude: -122.230163812638
Data Source: Cleanup Program Sites from GeoTracker Search; Cleanup Sites from GeoTracker Cleanup Sites Data Download

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case Number: NA
CUF Case: NO
Local Case Number: RO0002960
Case Worker: KLD
Begin Date: 2007-06-06 00:00:00
File Location: All Files are on GeoTracker or in the Local Agency Database
Stop Method: Other Means
Lead Agency: ALAMEDA COUNTY LOP
Local Agency: ALAMEDA COUNTY LOP
Potential COC: Polychlorinated biphenyls (PCBs), Nickel, Other Metal
Potential Media of Concern: Other Groundwater (uses other than drinking water)
How Discovered: Site Assessment/Site Investigation
How Discovered Description:
Stop Description:
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
DWR GW Subbasin Name: Santa Clara Valley - East Bay Plain (2-009.04)
Disadvantaged Community: Disadvantaged Community
Site History:

A limited subsurface investigation was performed on June 6, 2007. Five soil borings were drilled. Two soil borings were placed on the property located at 3001-3007 E. 12th Street (APN 25-693-4) and three boring were placed on the neighboring property at 0 29th Street.(APN 25-693-8). Elevated concentrations of metals and PCBs were detected in soil samples from APN 25-693-8. The address has been changed in Geotracker to reflect the correct location of the project case.

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Acitivity

Action Type: ENFORCEMENT
Date : 2013-10-29 00:00:00
Action: Staff Letter - #20131029

Action Type: ENFORCEMENT
Date : 2012-05-11 00:00:00
Action: File review

Action Type: RESPONSE
Date : 2009-09-28 00:00:00
Action: Soil and Water Investigation Report

Action Type: RESPONSE
Date : 2009-08-10 00:00:00
Action: Electronic Reporting Submittal Due

Action Type: ENFORCEMENT
Date : 2009-07-28 00:00:00
Action: Staff Letter - #20090728

Action Type: ENFORCEMENT
Date : 2009-07-28 00:00:00
Action: Notice to Comply - #20090728

Action Type: ENFORCEMENT
Date : 2009-07-10 00:00:00
Action: Notice to Comply - #20090710

Action Type: RESPONSE
Date : 2008-12-04 00:00:00
Action: Soil and Water Investigation Report

Action Type: ENFORCEMENT
Date : 2008-09-05 00:00:00
Action: Staff Letter - #20080905

Action Type: Other
Date : 2007-07-30 00:00:00
Action: Leak Reported

Action Type: Other
Date : 2007-06-22 00:00:00
Action: Leak Discovery

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Open - Case Begin Date
Status Date: 2007-06-06 00:00:00

Status: Open - Site Assessment
Status Date: 2007-06-06 00:00:00

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Local Agency Caseworker
Contact Name: KAREL DETTERMAN
Phone Number: 5105676708
Organization Name: ALAMEDA COUNTY LOP
Email: karel.detterman@acgov.org
Address: 1131 Harbor Bay Parkway
City: ALAMEDA

Cleanup Program Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)

Project Status:
CUF Claim:
CUF Priority Assign:
CUF Amount Paid:
WDR Place Type:
WDR File:
WDR Order:
File Location: ALL FILES ARE ON GEOTRACKER OR IN THE LOCAL AGENCY DATABASE

User Defined Beneficial Use:
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: http://geotracker.waterboards.ca.gov/profile_report?global_id=T10000001070
Cleanup Status Detail: OPEN - SITE ASSESSMENT AS OF 6/6/2007
Cleanup History Link: http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T10000001070&tabname=regulatoryhistory
Potential COC: NICKEL, OTHER METAL, POLYCHLORINATED BIPHENYLS (PCBS)
Potential Media Of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
DWR GW Sub Basin: Santa Clara Valley - East Bay Plain (2-009.04)
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: ALAMEDA COUNTY LOP (LEAD) - CASE #: RO0002960
CASEWORKER: KAREL DETTERMAN
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: NA

Site History:

A limited subsurface investigation was performed on June 6, 2007. Five soil borings were drilled. Two soil borings were placed on the property located at 3001-3007 E. 12th Street (APN 25-693-4) and three boring were placed on the neighboring property at 0 29th Street.(APN 25-693-8). Elevated concentrations of metals and PCBs were detected in soil samples from APN 25-693-8. The address has been changed in Geotracker to reflect the correct location of the project case.

Cleanup Program Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)

Action Type: Other Regulatory Actions
Action Date: 10/29/2013
Received Issue Date: 10/29/2013
Action: Staff Letter - #20131029
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000001070&enforcement_id=6194247&temptable=ENFORCEMENT
Title Description Comments:

Correspondence

Action Type: Other Regulatory Actions
Action Date: 5/11/2012
Received Issue Date: 5/11/2012
Action: File review
Doc Link:
Title Description Comments:

HHE file review

Action Type: Response Requested - Reports
Action Date: 9/28/2009
Received Issue Date:
Action: Soil and Water Investigation Report
Doc Link:
Title Description Comments:

Soil and Water Investigation Report

Action Type: Response Requested - Other
Action Date: 8/10/2009
Received Issue Date:
Action: Electronic Reporting Submittal Due
Doc Link:
Title Description Comments:

GeoTracker Compliance

Action Type: Response Requested - Other
Action Date: 8/10/2009
Received Issue Date:
Action: Electronic Reporting Submittal Due
Doc Link:
Title Description Comments:

Action Type: Other Regulatory Actions
Action Date: 7/28/2009
Received Issue Date: 7/28/2009
Action: Staff Letter - #20090728
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000001070&enforcement_id=6024831&temptable=ENFORCEMENT
Title Description Comments:

DIR_L

Action Type: Enforcement/Orders
Action Date: 7/28/2009
Received Issue Date: 7/28/2009
Action: Notice to Comply - #20090728
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000001070&enforcement_id=6024829&temptable=ENFORCEMENT
Title Description Comments:

ENF_L

Action Type: Enforcement/Orders
Action Date: 7/10/2009
Received Issue Date: 7/10/2009
Action: Notice to Comply - #20090710
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000001070&enforcement_id=6019953&temptable=ENFORCEMENT
Title Description Comments:

DIR_L_2009-07-10

Action Type: Response Requested - Reports
Action Date: 12/4/2008
Received Issue Date:
Action: Soil and Water Investigation Report
Doc Link:
Title Description Comments:

Action Type: Other Regulatory Actions
Action Date: 9/5/2008
Received Issue Date: 9/5/2008
Action: Staff Letter - #20080905
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000001070&enforcement_id=6018540&temptable=ENFORCEMENT
Title Description Comments:

DIR_I_2008-09-05

Action Type: Leak Action
Action Date: 7/30/2007
Received Issue Date:
Action: Leak Reported
Doc Link:
Title Description Comments:

Action Type: Leak Action

Action Date: 6/22/2007
Received Issue Date:
Action: Leak Discovery
Doc Link:
Title Description Comments:

Cleanup Program Sites from GeoTracker Search - Documents(as of Jan 18, 2019)

Document Type: Site Documents **Submitted:**
Document Date: 10/29/2013 **Submitted By:** KAREL DETTERMAN (REGULATOR)
Size :
Title: CORRESPONDENCE
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000001070&enforcement_id=6194247
Type: STAFF LETTER

Document Type: Site Documents **Submitted:**
Document Date: 7/28/2009 **Submitted By:** PARESH KHATRI (REGULATOR)
Size :
Title: ENF_L
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000001070&enforcement_id=6024829
Type: NOTICE TO COMPLY

Document Type: Site Documents **Submitted:**
Document Date: 7/28/2009 **Submitted By:** PARESH KHATRI (REGULATOR)
Size :
Title: DIR_L
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000001070&enforcement_id=6024831
Type: STAFF LETTER

Document Type: Site Documents **Submitted:**
Document Date: 7/10/2009 **Submitted By:** PARESH KHATRI (REGULATOR)
Size :
Title: DIR_L_2009-07-10
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000001070&enforcement_id=6019953
Type: NOTICE TO COMPLY

Document Type: Site Documents **Submitted:**
Document Date: 9/5/2008 **Submitted By:** PARESH KHATRI (REGULATOR)
Size :
Title: DIR_L_2008-09-05
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000001070&enforcement_id=6018540
Type: STAFF LETTER

Cleanup Program Sites from GeoTracker Search - Site Maps(as of Jan 18, 2019)

Title: 0 29TH - LIMITED PHASE II (SB-5) **Submitted By:** KASEY CORDOZA (AUTH_RP)
Size : 147 KB **Submitted:** 7/24/2017*
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2758719086/T10000001070.PDF

Title: 0 29TH - LIMITED PHASE II (SB-3) **Submitted By:** KASEY CORDOZA (AUTH_RP)
Size : 142 KB **Submitted:** 7/24/2017*
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6026367425/T10000001070.PDF

Title: 0 29TH - LIMITED PHASE II (SB-7) **Submitted By:** KASEY CORDOZA (AUTH_RP)
Size : 140 KB **Submitted:** 7/24/2017*
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6037451386/T10000001070.PDF

Title: 0 29TH - LIMITED PHASE II (SB-4) **Submitted By:** KASEY CORDOZA (AUTH_RP)
Size : 146 KB **Submitted:** 7/24/2017*
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7586297810/T10000001070.PDF

Title: 0 29TH - LIMITED PHASE II (SB-6) **Submitted By:** KASEY CORDOZA (AUTH_RP)
Size : 140 KB **Submitted:** 7/24/2017*
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7565423786/T10000001070.PDF

Title: GEO_MAP **Submitted By:** KASEY CORDOZA (AUTH_RP)

Size : 154 KB **Submitted:** 7/24/2017*
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/4777319550/T10000001070.PDF

Title: 0 29TH - LIMITED PHASE II (SB-1) **Submitted By:** KASEY CORDOZA (AUTH_RP)
Size : 147 KB **Submitted:** 7/24/2017*
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4650224685/T10000001070.PDF

Title: 0 29TH - LIMITED PHASE II (SB-2) **Submitted By:** KASEY CORDOZA (AUTH_RP)
Size : 141 KB **Submitted:** 7/24/2017*
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6216224372/T10000001070.PDF

Cleanup Program Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)

Status: Open - Site Assessment
Date : 6/6/2007

Status: Open - Case Begin Date
Date : 6/6/2007

3	1 of 3	WNW	0.05 / 243.66	35.27 / -3	SOUTH OAKLAND 1112 29TH AVE OAKLAND CA 94601	HHSS

County: Alameda
Pdf File Url: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00035dc3.pdf

---

3	2 of 3	WNW	0.05 / 243.66	35.27 / -3	SOUTH OAKLAND 1112 29TH AVE OAKLAND CA	HIST TANK

Owner Name: CALIF DEPT OF TRANSPORTATION **No of Containers:** 3
Owner Street: 1120 N STREET **County:** ALAMEDA
Owner City: SACRAMENTO **Facility State:** CA
Owner State: CA **Facility Zip:** 94601
Owner Zip: 95814

3	3 of 3	WNW	0.05 / 243.66	35.27 / -3	CALTRANS SOUTH OAKLAND MAINTENANCE STATION 1112 29TH AVE Oakland CA 94601	ALAMEDA LOP

Record ID: RO0000397
Alt Record ID: SD0000397
Program: LUST
Release Type: UST
Site Contact: JAKUB, BARBARA
RP Identification Date: 5/5/1997 12:00:00 AM
GIS Latitude: 37.7775954823
GIS Longitude: -122.2309737651
Data Source: Local Oversight Program Detailed Inventory; Local Oversight Program Inventory

--Details--
Program Element: 5602
Status: 5C,8,9
Status Desc: Pollution characterization,Verification monitoring underway,Case closed
Substance: 8006619
Org Name: STATE OF CALIFORNIA
Description 1: Case Closed
Description 2: Property/Fee Title Owner
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 5C,8,9
Status Desc: Pollution characterization,Verification monitoring underway,Case closed
Substance: 8006619
Org Name: ALAMEDA COUNTY LOP
Description 1: Pollution Characterization
Description 2: Not Applicable
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 5C,8,9
Status Desc: Pollution characterization,Verification monitoring underway,Case closed
Substance: 8006619
Org Name: STATE OF CALIFORNIA
Description 1: Pollution Characterization
Description 2: Property/Fee Title Owner
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 5C,8,9
Status Desc: Pollution characterization,Verification monitoring underway,Case closed
Substance: 8006619
Org Name: ALAMEDA COUNTY LOP
Description 1: Verification Monitoring Underway
Description 2: Not Applicable
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 5C,8,9
Status Desc: Pollution characterization,Verification monitoring underway,Case closed
Substance: 8006619
Org Name: STATE OF CALIFORNIA
Description 1: Verification Monitoring Underway
Description 2: Property/Fee Title Owner
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 5C,8,9
Status Desc: Pollution characterization,Verification monitoring underway,Case closed
Substance: 8006619
Org Name: ALAMEDA COUNTY LOP
Description 1: Case Closed
Description 2: Not Applicable
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

4	1 of 3	ESE	0.07 / 357.04	38.36 / 1	H & H AUTO COLLISION, INC 3031 E 12TH STREET OAKLAND CA 94601	EMISSIONS

2007 Criteria Data

Facility ID:	18579	***CERR Code:***	
Facility SIC Code:	7532	***TOGT:***	1.055
CO:	1	***ROGT:***	.8934662
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

2007 Toxic Data

Facility ID:	18579	***COID:***	ALA
Facility SIC Code:	7532	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2008 Criteria Data

Facility ID:	18579	***CERR Code:***	
Facility SIC Code:	7532	***TOGT:***	1.055
CO:	1	***ROGT:***	.8934662
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

2008 Toxic Data

Facility ID:	18579	***COID:***	ALA
Facility SIC Code:	7532	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2009 Criteria Data

Facility ID:	18579	***CERR Code:***	
Facility SIC Code:	7532	***TOGT:***	1.055
CO:	1	***ROGT:***	.8934662
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

2009 Toxic Data

Facility ID:	18579	***COID:***	ALA
Facility SIC Code:	7532	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	

Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
CERR Code:

2010 Toxic Data

Facility ID: 18579
Facility SIC Code: 7532
CO: 1
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

2011 Criteria Data

Facility ID: 18579
Facility SIC Code: 7532
CO: 1
Air Basin: SF
District: BA
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:
TOGT: .211
ROGT: .1983398
COT:
NOXT:
SOXT:
PMT:
PM10T:

2011 Toxic Data

Facility ID: 18579
Facility SIC Code: 7532
CO: 1
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

2012 Criteria Data

Facility ID: 18579
Facility SIC Code: 7532
CO: 1
Air Basin: SF
District: BA
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:
TOGT: .211
ROGT: .1983398
COT:
NOXT:
SOXT:
PMT:
PM10T:

2012 Toxic Data

Facility ID: 18579
Facility SIC Code: 7532
CO: 1
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

Non-Cancer Acute Haz Ind:

2013 Criteria Data

Facility ID:	18579	***CERR Code:***	
Facility SIC Code:	7532	***TOGT:***	.211
CO:	1	***ROGT:***	.1983398
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

2013 Toxic Data

Facility ID:	18579	***COID:***	ALA
Facility SIC Code:	7532	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2014 Criteria Data

Facility ID:	18579	***CERR Code:***	
Facility SIC Code:	7532	***TOGT:***	.209831277
CO:	1	***ROGT:***	
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

2014 Toxic Data

Facility ID:	18579	***COID:***	ALA
Facility SIC Code:	7532	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2015 Criteria Data

Facility ID:	18579	***CERR Code:***	
Facility SIC Code:	7532	***TOGT:***	.209831296
CO:	1	***ROGT:***	.209831296
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

2015 Toxic Data

Facility ID:	18579	***COID:***	ALA

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Facility SIC Code:	7532	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

4	2 of 3	ESE	0.07 / 357.04	38.36 / 1	BLUE BIRD BODY SHOP 3031 E 12TH STREET OAKLAND CA 94601	EMISSIONS

1999 Criteria Data

Facility ID:	9967	**CERR Code:**	
Facility SIC Code:	7532	**TOGT:**	.065
CO:	1	**ROGT:**	.045409
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

1999 Toxic Data

Facility ID:	9967	**COID:**	ALA
Facility SIC Code:	7532	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2000 Criteria Data

Facility ID:	9967	**CERR Code:**	
Facility SIC Code:	7532	**TOGT:**	.065
CO:	1	**ROGT:**	.05
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

2000 Toxic Data

Facility ID:	9967	**COID:**	ALA
Facility SIC Code:	7532	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2001 Criteria Data

Facility ID:	9967	**CERR Code:**	
Facility SIC Code:	7532	**TOGT:**	.07
CO:	1	**ROGT:**	.05
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

2001 Toxic Data

Facility ID:	9967	**COID:**	ALA
Facility SIC Code:	7532	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2002 Criteria Data

Facility ID:	9967	**CERR Code:**	
Facility SIC Code:	7532	**TOGT:**	.18
CO:	1	**ROGT:**	.1530586
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

2002 Toxic Data

Facility ID:	9967	**COID:**	ALA
Facility SIC Code:	7532	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2003 Criteria Data

Facility ID:	9967	**CERR Code:**	
Facility SIC Code:	7532	**TOGT:**	.18
CO:	1	**ROGT:**	.16
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

2003 Toxic Data

Facility ID:	9967	**COID:**	ALA
Facility SIC Code:	7532	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			

Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2004 Criteria Data

Facility ID:	9967	***CERR Code:***	
Facility SIC Code:	7532	***TOGT:***	.18
CO:	1	***ROGT:***	.1530586
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

2004 Toxic Data

Facility ID:	9967	***COID:***	ALA
Facility SIC Code:	7532	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2005 Criteria Data

Facility ID:	9967	***CERR Code:***	
Facility SIC Code:	7532	***TOGT:***	.18
CO:	1	***ROGT:***	.1530586
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

2005 Toxic Data

Facility ID:	9967	***COID:***	ALA
Facility SIC Code:	7532	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2006 Criteria Data

Facility ID:	9967	***CERR Code:***	
Facility SIC Code:	7532	***TOGT:***	.18
CO:	1	***ROGT:***	.1530586
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

2006 Toxic Data

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Facility ID:	9967	**COID:**	ALA
Facility SIC Code:	7532	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

4	3 of 3	ESE	0.07 / 357.04	38.36 / 1	H AND H AUTO COLLISION REPAIR 3031 E 12TH ST OAKLAND CA 94601	RCRA NON GEN

EPA Handler ID:	CAL000307796
Gen Status Universe:	No Report
Contact Name:	RAYMOND T HIEN
Contact Address:	3031 E 12TH ST , , OAKLAND , CA, 94601 ,
Contact Phone No and Ext:	510-534-1888
Contact Email:	HANDH1888@SBCGLOBAL.NET
Contact Country:	
County Name:	ALAMEDA
EPA Region:	09
Land Type:	
Receive Date:	20060609

Violation/Evaluation Summary

Note: NO RECORDS: As of Mar 2019, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	Yes
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20060609
Handler Name:	H AND H AUTO COLLISION REPAIR
Generator Status Universe:	No Report
Source Type:	Implementer

Owner/Operator Details

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	3031 E 12TH ST

Name:	H & H AUTO COLLISION, INC.	**Street 2:**	
Date Became Current:		**City:**	OAKLAND
Date Ended Current:		**State:**	CA
Phone:	510-534-1888	**Country:**	
Source Type:	Implementer	**Zip Code:**	94601-0000
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	3031 E 12TH ST
Name:	RAYMOND T HIEN	**Street 2:**	
Date Became Current:		**City:**	OAKLAND
Date Ended Current:		**State:**	CA
Phone:	510-534-1888	**Country:**	
Source Type:	Implementer	**Zip Code:**	94601

5	1 of 1	NNE	0.07 / 358.33	43.58 / 6	GOODWILL INDUSTRIES 1301 30TH OAKLAND CA 94601	LUST

Global ID:	T0600101959	**County:**	ALAMEDA
Status:	COMPLETED - CASE CLOSED	**Latitude:**	37.778466
Status Date:	1996-02-07 00:00:00	**Longitude:**	-122.229122
Case Type:	LUST CLEANUP SITE		
Date Source:	LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download		

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case Number:	01-2133	**Potential COC:**	Waste Oil / Motor / Hydraulic / Lubricating
Local Case Number:	RO0000762	**How Discovered:**	Other Means
Begin Date:	1995-07-14 00:00:00	**Stop Method:**	Other Means
Lead Agency:	ALAMEDA COUNTY LOP	**Stop Description:**	
Local Agency:		**Case Worker:**	
CUF Case:	NO	**File Location:**	All Files are on GeoTracker or in the Local Agency Database

Potential Media of Concern:	Soil
How Discovered Description:	
Calwater Watershed Name:	South Bay - East Bay Cities (204.20)
DWR GW Subbasin Name:	Santa Clara Valley - East Bay Plain (2-009.04)
Disadvantaged Community:	
Site History:	

Regulatory Activity

Action Type:	REMEDIATION
Date :	9999-09-09 00:00:00
Action:	Excavation
Action Type:	Other
Date :	1995-07-14 00:00:00
Action:	Leak Reported

Regulatory Contacts

Contact Type:	Regional Board Caseworker	**Address:**	1515 CLAY ST SUITE 1400
Contact Name:	Regional Water Board	**Email:**	
City:	OAKLAND	**Phone Number:**	
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)		

Status History

Status:	Completed - Case Closed
Status Date:	1996-02-07 00:00:00

Status: Open - Case Begin Date
Status Date: 1995-07-14 00:00:00

LUST Cleanup Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)

Site Facility Name: GOODWILL INDUSTRIES
Site Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Project Status:
Potential COC: WASTE OIL / MOTOR / HYDRAULIC / LUBRICATING
Address: 1301 30TH
City: OAKLAND
Zip: 94601
County: ALAMEDA
CUF Claim:
WDR Place Type:
WDR File:
WDR Order:
CUF Priority Assig:
CUF Amount Paid:
File Location: ALL FILES ARE ON GEOTRACKER OR IN THE LOCAL AGENCY DATABASE
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: http://geotracker.waterboards.ca.gov/profile_report?global_id=T0600101959
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 2/7/1996
Cleanup History Link: http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0600101959&tabname=regulatoryhistory
Potential Media Of Concern: SOIL
User Defined Beneficial Use: GW - MUNICIPAL AND DOMESTIC SUPPLY
DWR GW Sub Basin: Santa Clara Valley - East Bay Plain (2-009.04)
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: ALAMEDA COUNTY LOP (LEAD) - CASE #: RO0000762
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 01-2133
CASEWORKER: Regional Water Board
Site History:

No site history available

LUST Cleanup Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)

Status: Completed - Case Closed
Date : 2/7/1996

Status: Open - Case Begin Date
Date : 7/14/1995

LUST Cleanup Sites from GeoTracker Search - Cleanup Action(as of Jan 18, 2019)

Action Type: EXCAVATION
Phase:
Contaminant Mass Removed:
Description:
Begin Date: 9/9/9999
End Date: 9/9/9999

LUST Cleanup Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)

Action Type: Cleanup Action
Action Date: 9/9/9999
Received Issue Date:
Action: Excavation
Doc Link:

Action Type: Leak Action
Action Date: 7/14/1995
Received Issue Date:
Action: Leak Reported
Doc Link:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
6	1 of 1	ENE	0.07 / 374.24	42.82 / 5	GOODWILL INDUSTRIES 1301 30TH AVE Oakland CA 94601	ALAMEDA LOP

Record ID: RO0000762
Alt Record ID: SD0000762
Program: LUST
Release Type: UST
Site Contact: CHAN, BARNEY
RP Identification Date: 7/14/1995 12:00:00 AM
GIS Latitude: 37.7787524796
GIS Longitude: -122.2282421648
Data Source: Local Oversight Program Detailed Inventory; Local Oversight Program Inventory

--Details--

Program Element: 5602
Status: 9
Status Desc: Case closed
Substance: 12035
Org Name: ALAMEDA COUNTY LOP
Description 1: Case Closed
Description 2: Not Applicable
Description 3: Waste oil/Used oil
Description 4: RP Identified & Solvent
Description 5: Soil only affected
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 9
Status Desc: Case closed
Substance: 12035
Org Name: GOODWILL INDUSTRIES
Description 1: Case Closed
Description 2: Property/Fee Title Owner
Description 3: Waste oil/Used oil
Description 4: RP Identified & Solvent
Description 5: Soil only affected
Description 6: Substance released from Underground Storage Tank System

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
7	1 of 1	WNW	0.08 / 446.29	34.68 / -3	SAFE STORAGE USA 2783 EAST 12TH STREET OAKLAND CA 94601	CLEANUP SITES

Global ID: T10000006483
Status: OPEN - SITE ASSESSMENT
Status Date: 2018-08-09 00:00:00
Site Code:
Site Facility Type: CLEANUP PROGRAM SITE
County: ALAMEDA
Latitude: 37.7781225616743
Longitude: -122.231135796295
Data Source: Cleanup Program Sites from GeoTracker Search; Cleanup Sites from GeoTracker Cleanup Sites Data Download

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case Number: 01S0763
Local Case Number:
Begin Date: 2015-02-09 00:00:00
Stop Method:
CUF Case: NO
Case Worker: CSF
File Location: Regional Board
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Local Agency:
Potential COC: Tetrachloroethylene (PCE), Arsenic, Lead, Total Petroleum Hydrocarbons (TPH), Waste Oil / Motor / Hydraulic / Lubricating
Potential Media of Concern: Other Groundwater (uses other than drinking water), Soil, Soil Vapor, Under Investigation
How Discovered: Site Assessment/Site Investigation
How Discovered Description:
Stop Description:
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
DWR GW Subbasin Name: Santa Clara Valley - East Bay Plain (2-009.04)

Disadvantaged Community: Severely Disadvantaged Community
Site History:

Site contained a painting spray booth as late as 1991. TPH motor oil has been detected in groundwater; the suspected source is railroad tracks on the property. PCE has also been found in groundwater however a source of the PCE has not been confirmed. Off-site industrial operations are potential sources of on-site pollution.

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Acitivity

Action Type: RESPONSE
Date : 2019-05-14 00:00:00
Action: Site Assessment Report

Action Type: ENFORCEMENT
Date : 2019-03-04 00:00:00
Action: Email Correspondence

Action Type: ENFORCEMENT
Date : 2019-02-20 00:00:00
Action: 13267 Requirement

Action Type: RESPONSE
Date : 2019-01-08 00:00:00
Action: Site Investigation Workplan

Action Type: ENFORCEMENT
Date : 2018-11-09 00:00:00
Action: 13267 Requirement

Action Type: ENFORCEMENT
Date : 2018-08-09 00:00:00
Action: 13267 Requirement

Action Type: ENFORCEMENT
Date : 2017-07-26 00:00:00
Action: Closure/No Further Action Letter

Action Type: ENFORCEMENT
Date : 2016-06-30 00:00:00
Action: Annual Estimation Letter - #01S0763

Action Type: ENFORCEMENT
Date : 2016-02-11 00:00:00
Action: Technical Correspondence / Assistance / Other

Action Type: ENFORCEMENT
Date : 2015-09-02 00:00:00
Action: Site Visit / Inspection / Sampling

Action Type: ENFORCEMENT
Date : 2015-07-16 00:00:00
Action: Annual Estimation Letter - #01S0763

Action Type: ENFORCEMENT
Date : 2015-04-24 00:00:00
Action: Site Visit / Inspection / Sampling

Action Type: ENFORCEMENT
Date : 2015-03-16 00:00:00
Action: Cost Recovery Agreement / N. of Reimbursement

Action Type: ENFORCEMENT
Date : 2015-02-12 00:00:00
Action: InterAgency Agreement

Action Type: RESPONSE
Date : 2015-02-09 00:00:00

Action: Remedial Investigation Report

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Open - Site Assessment
Status Date: 2018-08-09 00:00:00

Status: Open - Reopen Case
Status Date: 2018-08-09 00:00:00

Status: Completed - Case Closed
Status Date: 2017-07-26 00:00:00

Status: Open - Site Assessment
Status Date: 2015-02-13 00:00:00

Status: Open - Case Begin Date
Status Date: 2015-02-09 00:00:00

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Regional Board Caseworker
Contact Name: CECILIO FELIX
Phone Number: 5106222343
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Email: cecil.felix@waterboards.ca.gov
Address: 1515 Clay St. Suite 1400
City: OAKLAND

Cleanup Program Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)

Project Status:
CUF Claim:
CUF Priority Assign:
CUF Amount Paid:
User Defined Beneficial Use:
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: http://geotracker.waterboards.ca.gov/profile_report?global_id=T10000006483
Cleanup Status Detail: OPEN - SITE ASSESSMENT AS OF 8/9/2018
Cleanup History Link: http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T10000006483&tabname=regulatoryhistory
Potential COC: ARSENIC, LEAD, TETRACHLOROETHYLENE (PCE), TOTAL PETROLEUM HYDROCARBONS (TPH), WASTE OIL / MOTOR / HYDRAULIC / LUBRICATING
Potential Media Of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER), SOIL, SOIL VAPOR, UNDER INVESTIGATION
DWR GW Sub Basin: Santa Clara Valley - East Bay Plain (2-009.04)
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: SAN FRANCISCO BAY RWQCB (REGION 2) (LEAD) - CASE #: 01S0763
CASEWORKER: CECILIO FELIX
WDR Place Type:
WDR File:
WDR Order:
File Location: REGIONAL BOARD
Site History:

Site contained a painting spray booth as late as 1991. TPH motor oil has been detected in groundwater; the suspected source is railroad tracks on the property. PCE has also been found in groundwater however a source of the PCE has not been confirmed. Off-site industrial operations are potential sources of on-site pollution.

Cleanup Program Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)

Action Type: Enforcement/Orders
Action Date: 11/9/2018
Received Issue Date: 11/9/2018
Action: 13267 Requirement
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000006483&enforcement_id=6375434&temptable=ENFORCEMENT
Title Description Comments:

Reissuance of Requirement for Report Adddressing Metals Conatmination

Action Type: Enforcement/Orders
Action Date: 8/9/2018
Received Issue Date: 8/9/2018
Action: 13267 Requirement
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000006483&enforcement_id=6366285&temptable=ENFORCEMENT
Title Description Comments:

Requirement for additional site information, workplan for cleanup of metals pollution, and site management plan

Action Type: Other Regulatory Actions
Action Date: 7/26/2017
Received Issue Date: 7/26/2017
Action: Closure/No Further Action Letter
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000006483&enforcement_id=6327894&temptable=ENFORCEMENT
Title Description Comments:

No Further Action Letter and Case Closure Summary

Action Type: Other Regulatory Actions
Action Date: 7/26/2017
Received Issue Date: 7/26/2017
Action: Closure/No Further Action Letter
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000006483&enforcement_id=6327730&temptable=ENFORCEMENT
Title Description Comments:

No Further Action, 2783 East 12th Street, Oakland, Alameda County

Action Type: Other Regulatory Actions
Action Date: 6/30/2016
Received Issue Date: 6/30/2016
Action: Annual Estimation Letter - #01S0763
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000006483&enforcement_id=6290032&temptable=ENFORCEMENT
Title Description Comments:

Annual Estimate for SCP Cost Recovery Oversight for Safe Storage USA site, 2783 E. 12th Street, Oakland, Alameda County

Action Type: Other Regulatory Actions
Action Date: 2/11/2016
Received Issue Date: 2/11/2016
Action: Technical Correspondence / Assistance / Other
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000006483&enforcement_id=6287190&temptable=ENFORCEMENT
Title Description Comments:

Appproval of July 8, 2015 Addendumto 3/5/2015 Workplan for Monitoring Well Installation

Action Type: Other Regulatory Actions
Action Date: 9/2/2015
Received Issue Date: 9/2/2015
Action: Site Visit / Inspection / Sampling
Doc Link:
Title Description Comments:

Site inspection to evaluate current site conditions

Action Type: Other Regulatory Actions
Action Date: 7/16/2015

Received Issue Date: 7/16/2015
Action: Annual Estimation Letter - #01S0763
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000006483&enforcement_id=6253397&temptable=ENFORCEMENT
Title Description Comments:

Annual Estimate for SCP Cost Recovery Oversight for Safe Storage USA site, 2783 E. 12th Street, Oakland, Alameda County

Action Type: Other Regulatory Actions
Action Date: 4/24/2015
Received Issue Date: 4/24/2015
Action: Site Visit / Inspection / Sampling
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000006483&enforcement_id=6245359&temptable=ENFORCEMENT
Title Description Comments:

Site Inspection and initial meeting. See log. Met AEI Consultant at site and went over comments on Phase II Subsurface report. While prepared to discuss presumed offsite sources, consultant acknowledged lack of evidence from any known offsite source. Focus was on any data gaps and development of a conceptual site model with the next expected work plan.

Action Type: Agreements
Action Date: 3/16/2015
Received Issue Date: 3/16/2015
Action: Cost Recovery Agreement / N. of Reimbursement
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000006483&enforcement_id=6238936&temptable=ENFORCEMENT
Title Description Comments:

Site Cleanup Program (SCP) recovery of oversight costs at the Safe Storage USA site

Action Type: Agreements
Action Date: 2/12/2015
Received Issue Date: 2/12/2015
Action: InterAgency Agreement
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000006483&enforcement_id=6236030&temptable=ENFORCEMENT
Title Description Comments:

Lead agency determination for case

Action Type: Response Requested - Reports
Action Date: 2/9/2015
Received Issue Date: 2/9/2015
Action: Remedial Investigation Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000006483&doc_id=5830511
Title Description Comments:

Phase II Subsurface Investigation

Cleanup Program Sites from GeoTracker Search - Documents(as of Jan 18, 2019)

Document Type: Site Documents ***Submitted:***
Document Date: 11/29/2018 ***Submitted By:*** PETER MCINTYRE (AUTH_RP)
Size : 1,587 KB
Title: WORK PLAN, ADDITIONAL SITE INVESTIGATION
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5488806605/T10000006483.PDF
Type: SITE INVESTIGATION WORKPLAN

Document Type: Site Documents ***Submitted:***
Document Date: 11/9/2018 ***Submitted By:*** CECILIO FELIX (REGULATOR)
Size :
Title: REISSUANCE OF REQUIREMENT FOR REPORT ADDDRESSING METALS CONATMINATION
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000006483&enforcement_id=6375434
Type: 13267 REQUIREMENT

Document Type: Site Documents **Submitted:**
Document Date: 8/9/2018 **Submitted By:** CECILIO FELIX (REGULATOR)
Size :
Title: REQUIREMENT FOR ADDITIONAL SITE INFORMATION, WORKPLAN FOR CLEANUP OF METALS POLLUTION, AND SITE MANAGEMENT PLAN
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000006483&enforcement_id=6366285
Type: 13267 REQUIREMENT

Document Type: Site Documents **Submitted:**
Document Date: 7/26/2017 **Submitted By:** JOHN SEAL (REGULATOR)
Size :
Title: NO FURTHER ACTION, 2783 EAST 12TH STREET, OAKLAND, ALAMEDA COUNTY
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000006483&enforcement_id=6327730
Type: CLOSURE/NO FURTHER ACTION LETTER

Document Type: Site Documents **Submitted:**
Document Date: 7/26/2017 **Submitted By:** CECILIO FELIX (REGULATOR)
Size :
Title: NO FURTHER ACTION LETTER AND CASE CLOSURE SUMMARY
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000006483&enforcement_id=6327894
Type: CLOSURE/NO FURTHER ACTION LETTER

Document Type: Site Documents **Submitted:**
Document Date: 1/10/2017* **Submitted By:** PETER MCINTYRE (AUTH_RP)
Size : 2,470 KB
Title: GROUNDWATER MONITORING REPORT FOURTH QUARTER 2016
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6526255011/T10000006483.PDF
Type: REQUEST FOR CLOSURE

Document Type: Monitoring Reports **Submitted:**
Document Date: 9/22/2016* **Submitted By:** PETER MCINTYRE (AUTH_RP)
Size : 2,485 KB
Title: GROUNDWATER MONITORING REPORT - 2ND QUARTER 2016
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2140226900/T10000006483.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Site Documents **Submitted:**
Document Date: 8/18/2016* **Submitted By:** PETER MCINTYRE (AUTH_RP)
Size : 4,689 KB
Title: MONITORING WELL INSTALLATION REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3825838088/T10000006483.PDF
Type: WELL INSTALLATION REPORT

Document Type: Site Documents **Submitted:**
Document Date: 6/30/2016 **Submitted By:** HOLLUND RUDOLPH (REGULATOR)
Size :
Title: ANNUAL ESTIMATE FOR SCP COST RECOVERY OVERSIGHT FOR SAFE STORAGE USA SITE, 2783 E. 12TH STREET, OAKLAND, ALAMEDA COUNTY
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000006483&enforcement_id=6290032
Type: ANNUAL ESTIMATION LETTER

Document Type: Site Documents **Submitted:**
Document Date: 2/11/2016 **Submitted By:** CECILIO FELIX (REGULATOR)
Size :
Title: APPPROVAL OF JULY 8, 2015 ADDENDUMTO 3/5/2015 WORKPLAN FOR MONITORING WELL INSTALLATION
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000006483&enforcement_id=6287190
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER

Document Type: Site Documents **Submitted:**
Document Date: 7/16/2015 **Submitted By:** ASHA TURMAN (REGULATOR)
Size :
Title: ANNUAL ESTIMATE FOR SCP COST RECOVERY OVERSIGHT FOR SAFE STORAGE USA SITE, 2783 E. 12TH STREET, OAKLAND, ALAMEDA COUNTY
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000006483&enforcement_id=6253397
Type: ANNUAL ESTIMATION LETTER

Document Type: Site Documents **Submitted:**

Document Date: 7/8/2015 **Submitted By:** PETER MCINTYRE (AUTH_RP)
Size : 3,830 KB
Title: ADDENDUM TO WORK PLAN FOR MONITORING WELL INSTALLATION
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8032355606/T10000006483.PDF
Type: SOIL AND WATER INVESTIGATION WORKPLAN - ADDENDUM

Document Type: Site Documents **Submitted:**
Document Date: 4/24/2015 **Submitted By:** CLEET CARLTON (REGULATOR)
Size :
Title: SITE INSPECTION AND INITIAL MEETING.
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000006483&enforcement_id=6245359
Type: SITE VISIT / INSPECTION / SAMPLING

Document Type: Site Documents **Submitted:**
Document Date: 3/16/2015 **Submitted By:** CLEET CARLTON (REGULATOR)
Size :
Title: SITE CLEANUP PROGRAM (SCP) RECOVERY OF OVERSIGHT COSTS AT THE SAFE STORAGE USA SITE
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000006483&enforcement_id=6238936
Type: COST RECOVERY AGREEMENT / N. OF REIMBURSEMENT

Document Type: Site Documents **Submitted:**
Document Date: 3/5/2015 **Submitted By:** PETER MCINTYRE (AUTH_RP)
Size : 1,623 KB
Title: WORK PLAN FOR MONITORING WELL INSTALLATION
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5736839056/T10000006483.PDF
Type: WELL INSTALLATION WORKPLAN

Document Type: Site Documents **Submitted:**
Document Date: 2/12/2015 **Submitted By:** CLEET CARLTON (REGULATOR)
Size :
Title: LEAD AGENCY DETERMINATION FOR CASE
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000006483&enforcement_id=6236030
Type: INTERAGENCY AGREEMENT

Document Type: Site Documents **Submitted:**
Document Date: 2/9/2015 **Submitted By:** CLEET CARLTON (REGULATOR)
Size :
Title: PHASE II SUBSURFACE INVESTIGATION
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000006483&document_id=5830511
Type: REMEDIAL INVESTIGATION REPORT

Cleanup Program Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)

Status: Open - Reopen Case
Date : 8/9/2018

Status: Open - Site Assessment
Date : 8/9/2018

Status: Completed - Case Closed
Date : 7/26/2017

Status: Open - Site Assessment
Date : 2/13/2015

Status: Open - Case Begin Date
Date : 2/9/2015

8	1 of 1	WSW	0.09 / 498.66	29.71 / -8	29TH AVENUE 0 29TH AVENUE OAKLAND CA 94601	CLEANUP SITES

Global ID: T10000010328 **Site Facility Type:** CLEANUP PROGRAM SITE
Status: OPEN - ACTIVE **County:** ALAMEDA
Status Date: 2017-04-14 00:00:00 **Latitude:** 37.77709
Site Code: **Longitude:** -122.23133
Data Source: Cleanup Program Sites from GeoTracker Search; Cleanup Sites from GeoTracker Cleanup Sites Data Download

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case Number:
Local Case Number: RO0003204
Begin Date: 2017-04-14 00:00:00
Stop Method:
Lead Agency: ALAMEDA COUNTY LOP
Local Agency: ALAMEDA COUNTY LOP
Potential COC:
Potential Media of Concern:
How Discovered:
How Discovered Description:
Stop Description:
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
DWR GW Subbasin Name: Santa Clara Valley - East Bay Plain (2-009.04)
Disadvantaged Community: Severely Disadvantaged Community
Site History:

CUF Case: NO
Case Worker: KLD
File Location:

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Acitivity

Action Type: RESPONSE
Date : 2018-04-17 00:00:00
Action: Soil and Water Investigation Report

Action Type: RESPONSE
Date : 2018-04-17 00:00:00
Action: Soil and Water Investigation Workplan

Action Type: RESPONSE
Date : 2017-06-16 00:00:00
Action: Soil and Water Investigation Report

Action Type: ENFORCEMENT
Date : 2017-04-14 00:00:00
Action: Email Correspondence - #20170414

Action Type: ENFORCEMENT
Date : 2017-04-14 00:00:00
Action: Staff Letter - #20170414

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Open - Active
Status Date: 2017-04-14 00:00:00

Status: Open - Case Begin Date
Status Date: 2017-04-14 00:00:00

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Local Agency Caseworker
Contact Name: KAREL DETTERMAN
Phone Number: 5105676708
Organization Name: ALAMEDA COUNTY LOP
Email: karel.detterman@acgov.org

Address: 1131 Harbor Bay Parkway
City: ALAMEDA

Cleanup Program Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)

Project Status:
CUF Claim:
CUF Priority Assign:

WDR Place Type:
WDR File:
WDR Order:

CUF Amount Paid: ***File Location:***
User Defined Beneficial Use:
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: http://geotracker.waterboards.ca.gov/profile_report?global_id=T10000010328
Cleanup Status Detail: OPEN - ACTIVE AS OF 4/14/2017
Cleanup History Link: http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T10000010328&tabname=regulatoryhistory
Potential COC: NONE SPECIFIED
Potential Media Of Concern: NONE SPECIFIED
DWR GW Sub Basin: Santa Clara Valley - East Bay Plain (2-009.04)
Calwater Watershed Name:
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: ALAMEDA COUNTY LOP (LEAD) - CASE #: RO0003204
CASEWORKER: KAREL DETTERMAN
SAN FRANCISCO BAY RWQCB (REGION 2)
Site History:

No site history available

Cleanup Program Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)

Action Type: Response Requested - Reports
Action Date: 4/17/2018
Received Issue Date: 4/17/2018
Action: Soil and Water Investigation Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000010328&doc_id=5963495
Title Description Comments:

0 29th - Limited Phase II

Action Type: Response Requested - Workplans
Action Date: 4/17/2018
Received Issue Date: 4/17/2018
Action: Soil and Water Investigation Workplan
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000010328&doc_id=5963496
Title Description Comments:

0 29th - Limited Phase II

Action Type: Response Requested - Reports
Action Date: 6/16/2017
Received Issue Date:
Action: Soil and Water Investigation Report
Doc Link:
Title Description Comments:

Soil and Groundwater Investigation Report

Action Type: Other Regulatory Actions
Action Date: 4/14/2017
Received Issue Date: 4/14/2017
Action: Email Correspondence - #20170414
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000010328&enforcement_id=6317142&temptable=ENFORCEMENT
Title Description Comments:

Correspondence

Action Type: Other Regulatory Actions
Action Date: 4/14/2017
Received Issue Date: 4/14/2017
Action: Staff Letter - #20170414
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000010328&enforcement_id=6317136&temp

table=ENFORCEMENT

Title Description Comments:

Directive Letter

Cleanup Program Sites from GeoTracker Search - Documents(as of Jan 18, 2019)

Document Type: Site Documents ***Submitted:***
Document Date: 7/20/2017 ***Submitted By:*** KASEY CORDOZA (AUTH_RP)
Size : 3,700 KB
Title: 0 29TH - LIMITED PHASE II
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7000662684/T10000010328.PDF
Type: SOIL AND WATER INVESTIGATION REPORT

Document Type: Site Documents ***Submitted:***
Document Date: 4/14/2017 ***Submitted By:*** KAREL DETTERMAN (REGULATOR)
Size :
Title: DIRECTIVE LETTER
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000010328&enforcement_id=6317136
Type: STAFF LETTER

Document Type: Site Documents ***Submitted:***
Document Date: 4/14/2017 ***Submitted By:*** KAREL DETTERMAN (REGULATOR)
Size :
Title: CORRESPONDENCE
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000010328&enforcement_id=6317142
Type: EMAIL CORRESPONDENCE

Document Type: Site Documents ***Submitted:***
Document Date: 10/19/2016 ***Submitted By:*** KASEY CORDOZA (AUTH_RP)
Size : 1,148 KB
Title: 0 29TH - LIMITED PHASE II
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9531775355/T10000010328.PDF
Type: SOIL AND WATER INVESTIGATION WORKPLAN

Cleanup Program Sites from GeoTracker Search - Site Maps(as of Jan 18, 2019)

Title: 0 29TH - LIMITED PHASE II (SV-7) ***Submitted By:*** KASEY CORDOZA (AUTH_RP)
Size : 18 KB ***Submitted:*** 4/17/2018
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5229474008/T10000010328.PDF

Title: 0 29TH - LIMITED PHASE II (SB-7) ***Submitted By:*** KASEY CORDOZA (AUTH_RP)
Size : 140 KB ***Submitted:*** 4/17/2018
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7438000619/T10000010328.PDF

Title: GEO_MAP ***Submitted By:*** KASEY CORDOZA (AUTH_RP)
Size : 154 KB ***Submitted:*** 4/17/2018
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/9409057855/T10000010328.PDF

Title: 0 29TH - LIMITED PHASE II (SV-6) ***Submitted By:*** KASEY CORDOZA (AUTH_RP)
Size : 18 KB ***Submitted:*** 4/17/2018
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3804754853/T10000010328.PDF

Title: 0 29TH - LIMITED PHASE II (SB-1) ***Submitted By:*** KASEY CORDOZA (AUTH_RP)
Size : 147 KB ***Submitted:*** 4/17/2018
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9614364862/T10000010328.PDF

Title: 0 29TH - LIMITED PHASE II (SV-3) ***Submitted By:*** KASEY CORDOZA (AUTH_RP)
Size : 18 KB ***Submitted:*** 4/17/2018
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7198745965/T10000010328.PDF

Title: 0 29TH - LIMITED PHASE II (SV-4) ***Submitted By:*** KASEY CORDOZA (AUTH_RP)
Size : 18 KB ***Submitted:*** 4/17/2018
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7717053353/T10000010328.PDF

Title: 0 29TH - LIMITED PHASE II (SB-3) ***Submitted By:*** KASEY CORDOZA (AUTH_RP)

Size : 142 KB **Submitted:** 4/17/2018
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8534546136/T10000010328.PDF

Title: 0 29TH - LIMITED PHASE II (SB-5) **Submitted By:** KASEY CORDOZA (AUTH_RP)
Size : 147 KB **Submitted:** 4/17/2018
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2478430390/T10000010328.PDF

Title: 0 29TH - LIMITED PHASE II (SB-6) **Submitted By:** KASEY CORDOZA (AUTH_RP)
Size : 140 KB **Submitted:** 4/17/2018
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5078686654/T10000010328.PDF

Title: 0 29TH - LIMITED PHASE II (SV-1) **Submitted By:** KASEY CORDOZA (AUTH_RP)
Size : 20 KB **Submitted:** 4/17/2018
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7344067513/T10000010328.PDF

Title: 0 29TH - LIMITED PHASE II (SB-4) **Submitted By:** KASEY CORDOZA (AUTH_RP)
Size : 146 KB **Submitted:** 4/17/2018
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8662820637/T10000010328.PDF

Title: 0 29TH - LIMITED PHASE II (SV-2) **Submitted By:** KASEY CORDOZA (AUTH_RP)
Size : 20 KB **Submitted:** 4/17/2018
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6822738885/T10000010328.PDF

Title: 0 29TH - LIMITED PHASE II (SV-5) **Submitted By:** KASEY CORDOZA (AUTH_RP)
Size : 18 KB **Submitted:** 4/17/2018
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3483237922/T10000010328.PDF

Title: 0 29TH - LIMITED PHASE II (SB-2) **Submitted By:** KASEY CORDOZA (AUTH_RP)
Size : 141 KB **Submitted:** 4/17/2018
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1689185023/T10000010328.PDF

Cleanup Program Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)

Status: Open - Case Begin Date
Date : 4/14/2017

Status: Open - Active
Date : 4/14/2017

9	1 of 1	E	0.10 / 515.08	41.29 / 3	Fire Station #13 1225 DERBY AVE OAKLAND CA 94601	CERS HAZ

Site ID: 30237
Latitude: 37.777358
Longitude: -122.228129

Regulated Programs

EI Description: Chemical Storage Facilities **EI ID:** 10453870

Violations

Violation Date: 09/14/2016 **Violation Source:** CERS
Violation Program: HMRRP **Violation Division:** Alameda County Environmental Health
Citation: HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Notes:

OBSERVATION: FS13 has one 500 gallon double walled AGT and one 65 gallon generator belly tank. The fire station staff, fire fighter crew, performs weekly visual inspections of tank, surrounding area, and fuel level. However, the fire station staff does not perform inspections of the secondary containment annular space. CORRECTIVE ACTION: Oakland Fire Dept, or qualified representative, shall perform weekly inspections of the annular space to ensure no liquids have accumulated in the space: A) Verify if City of Oakland is checking annular space; or B) Verify if fuel delivery contractor is checking annular space. Transmit validation of verification of annular space (e.g. a photo of the annular space condition or dipstick) and checklist indicating performance regular annular space monitoring to ACDEH inspector.

Violation Description:

Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.

Violations

Violation Date: 10/01/2015 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Notes:

Returned to compliance on 11/05/2015.

Violation Description:

Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.

Enforcements

Enf Action Date: 10/02/2015 ***Enf Action Program:*** HMRRP
Enf Action Type: Notice of Violation (Unified Program) ***Enf Action Source:*** CERS
Enf Action Division: Alameda County Environmental Health
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:

Evaluations

Eval Date: 09/14/2016
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Routine HMBP inspection of OFD FS 13 at 1225 Derby Ave, Oakland. Facility walk through with conducted Sheryl Skillern and Lieutenant Knaus. Facility maintains one 500 gallon AGT and one diesel emergency generator with 65 gallon belly tank. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 10/01/2015
Violations Found: Yes
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

HMBP NOV LETTER; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc: Environmental Contact
Entity Name: Kayleigh Lim
Entity Title:
Address: 250 Frank Ogawa Plaza, Suite 5301
City: Oakland
State: CA
Country:
Zip Code: 94612

Phone:

Affil Type Desc: Operator
Entity Name: City of Oakland
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (510) 238-7314

Affil Type Desc: Legal Owner
Entity Name: City of Oakland
Entity Title:
Address: 250 Frank Ogawa Plaza, Suite 5301
City: Oakland
State: CA
Country: United States
Zip Code: 94612
Phone: (510) 238-7314

Affil Type Desc: Identification Signer
Entity Name: Kayleigh Lim
Entity Title: Environmental Program Specialist
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: CUPA District
Entity Name: Alameda County Env Health
Entity Title:
Address: 1131 Harbor Parkway, Suite 240
City: Alameda
State: CA
Country:
Zip Code: 94502-6577
Phone: (510) 567-6700

Affil Type Desc: Document Preparer
Entity Name: Kayleigh Lim
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: 250 Frank Ogawa Plaza, Suite 5301
City: Oakland
State: CA
Country:
Zip Code: 94612
Phone:

Affil Type Desc: Parent Corporation
Entity Name: City of Oakland
Entity Title:
Address:
City:
State:
Country:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Zip Code:
Phone:

Coordinates

Env Int Type Code:	HMBP	**Longitude:**	-122.228640
Program ID:	10453870	**Coord Name:**	
Latitude:	37.776830	**Ref Point Type Desc:**	Center of a facility or station.

10	1 of 1	NE	0.12 / 628.18	45.51 / 8	NATIVE AMERICAN HEALTH CENTER 2950 INTERNATIONAL BLVD OAKLAND CA 94601	RCRA NON GEN

EPA Handler ID:	CAL000415361
Gen Status Universe:	No Report
Contact Name:	DAWN LULUA
Contact Address:	2950 INTERNATIONAL BLVD , , OAKLAND , CA, 94601 ,
Contact Phone No and Ext:	510-418-5297
Contact Email:	DAWNL@NATIVEHEALTH.ORG
Contact Country:	
County Name:	ALAMEDA
EPA Region:	09
Land Type:	
Receive Date:	20160323

Violation/Evaluation Summary

Note: NO RECORDS: As of Mar 2019, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	Yes
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20160323
Handler Name:	NATIVE AMERICAN HEALTH CENTER
Generator Status Universe:	No Report
Source Type:	Implementer

Owner/Operator Details

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	2950 INTERNATIONAL BLVD
Name:	DAWN LULUA	**Street 2:**	

Date Became Current:		**City:**	OAKLAND
Date Ended Current:		**State:**	CA
Phone:	510-418-5297	**Country:**	
Source Type:	Implementer	**Zip Code:**	94601
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	3124 INTERNATIONAL BLVD
Name:	NATIVE AMERICAN HEALTH CENTER INC	**Street 2:**	
Date Became Current:		**City:**	OAKLAND
Date Ended Current:		**State:**	CA
Phone:	510-535-4471	**Country:**	
Source Type:	Implementer	**Zip Code:**	94601

11	1 of 1	NNW	0.14 / 738.44	40.51 / 3	FORMER MONTGOMERY WARD BUILDING 2825 INTERNATIONAL BOULEVARD OAKLAND CA 94601	ENVIROSTOR

Estor/EPA ID:	01230003	**Permit Renewal Lead:**	
Site Code:	201289	**Project Manager:**	MIKE LOZANO
Nat Priority List:	NO	**Supervisor:**	MARK MALINOWSKI
Acres:	7.85 ACRES	**Public Partici Spclst:**	
Special Program:		**Census Tract:**	6001406100
Funding:	SCHOOL DISTRICT	**County:**	ALAMEDA
Assembly District:	18	**Latitude:**	37.7794508507983
Senate District:	09	**Longitude:**	-122.230805056768

School District: OAKLAND UNIFIED SCHOOL DISTRICT
APN: 25-700-1-3
Cleanup Status: CERTIFIED AS OF 8/31/2001
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY
Site Type: SCHOOL
Office: NORTHERN CALIFORNIA SCHOOLS & SANTA SUSANA
Past Use that Caused Contam: MANU - APPAREL & OTHER TEXTILE PRODUCTS
Potential Media Affected: SOIL
Potential Contamin of Concern:

LEAD, POLYCHLORINATED BIPHENYLS (PCBS), TPH-MOTOR OIL, TPH-DIESEL, TPH-GAS

Site History:

This 7.85 acre site located in the city of Oakland is the location of a Montgomery Ward warehouse complex and a former parking garage structure. The Montgomery Ward building has been vacant since 1985. A Phase I/II ESA indicated the soil and ground water are impacted with petroleum hydrocarbons, VOC's, PCB's and lead. TPH contamination in the northwest quadrant in the area of a suspected former UST. Railspur in the southern section of the Site contaminated with lead and PCB's.

Consultant had previously moved forward with removal work prior to obtaining DTSC approval of a Removal Action Workplan (RAW). DTSC sent a cease and desist communication to Consultant and District, thus resulting in delays and some incongruities in the timeline of the project. The RAW, Removal Action Completion Report (RACR), and Site Certification were all completed and approved on same day, August 31, 2001.

The remedial action objective in the RAW was removal and offsite disposal of TPH-, PCB-, PAH-, and lead-impacted soils exceeding the following concentrations: TPHg>400mg/kg, TPHd>500mg/kg, TPHmo>500mg/kg, PCB's>0.2mg/kg, total Lead>255mg/kg, PAH's>Bay Area RWQCB Screening Levels. Approximately 1155 cubic yards of soil were excavated from two discrete areas. 480 cubic yards of TPH-impacted soil was transported to Vasco Road Landfill, a Class 2 nonhazardous waste landfill located in Livermore, California. 675 cubic yards of PCB- and Lead-impacted soil was transported to Waste Management's Kettleman Hills Landfill, a Class 1 hazardous waste landfill located in Kettleman City, Ca. DTSC certified the site on 8/31/01.

Status: CERTIFIED
Program Type: SCHOOL CLEANUP
CalEnviroScreen Score: 86-90%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01230003

Completed Activities

Title: Voluntary Clean-up Agreement
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01230003&enforcement_id=6000043
Area Name:
Area Link:

Sub Area:
Sub Area Link:
Document Type: Voluntary Cleanup Agreement
Date Completed: 8/31/2000
Comments:

Title: Removal Action Completion Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01230003&doc_id=6014606
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Removal Action Completion Report
Date Completed: 8/31/2001
Comments: DTSC approved the Removal Action Completion Report for the Former Montgomery Ward Building on August 31, 2001. The remedial action objective in the RAW was removal and off-site disposal of TPH-, PCB-, and lead-impacted soil exceeding the following concentrations: TPH gas>400mg/kg, TPH diesel and motor oil>500mg/kg, PCB's>0.2mg/kg, total Lead>255mg/kg, PAH's>Bay Area RWQCB Screening Levels. Approximately 1155 cubic yards of soil were excavated from two discrete areas. 480 cubic yards of TPH-impacted soil was transported to Vasco Road Landfill, a Class 2 nonhazardous waste landfill located in Livermore, California. 675 cubic yards of PCB- and Lead-impacted soil was transported to Waste Management's Kettleman Hills Landfill, a Class 1 hazardous waste landfill located in Kettleman City, Ca.

Title: Phase I and Limited Phase II Environmental Assessment Report - Background Info
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01230003&doc_id=6023294
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Other Report
Date Completed: 10/7/1999
Comments: Phase I and Supplemental Phase II provided as background for the project. PEA required.

Title: CEQA
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01230003&enforcement_id=6000034
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: CEQA - Notice of Exemption
Date Completed: 8/31/2001
Comments:

Title: Certification
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Certification
Date Completed: 8/31/2001
Comments: Clean up goals: The remedial action objective in the RAW was to remove TPH-, PCB-, and lead affected soil exceeding the following concentrations: TPHg>400mg/kg PPHd>500mg/kg, TPHmo>500mg/kg, PCB's>0.2mg/kg, Total lead>255mg/kg, PAH's>San Francisco Bay Regional Water Quality Control Board Risk Based Screening Levels.

Title: RAW Workplan
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01230003&doc_id=6000044
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Removal Action Workplan
Date Completed: 8/31/2001
Comments: Removal action workplan and Site excavation report completed on same day. Consultant had previously moved forward with some removal work prior to obtaining DTSC approval. DTSC sent cease and desist communication to Consultant and District, thus resulting in delays and some incongruities in the timeline of the project.

Title: Site Visit - Site Inspections/visit

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Inspections/Visit (Non LUR)
Date Completed: 2/20/2001
Comments:

12	1 of 3	ENE	0.14 / 754.51	46.23 / 8	MELROSE FORD 3050 EAST 14TH STREET OAKLAND CA 94601	HHSS

County: Alameda
Pdf File Url: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0003612e.pdf

---

12	2 of 3	ENE	0.14 / 754.51	46.23 / 8	MELROSE FORD 3050 EAST 14TH STREET OAKLAND CA	HIST TANK

Owner Name: MELROSE FORD
Owner Street: 3050 EAST 14TH STREET
Owner City: OAKLAND
Owner State: CA
Owner Zip: 94601
No of Containers: 2
County: ALAMEDA
Facility State: CA
Facility Zip: 94601

12	3 of 3	ENE	0.14 / 754.51	46.23 / 8	MELROSE FORD 3050 E 14TH ST OAKLAND CA 94601	RCRA SQG

EPA Handler ID: CAD055395008
Gen Status Universe: Small Quantity Generator
Contact Name:
Contact Address: US
Contact Phone No and Ext:
Contact Email:
Contact Country: US
County Name: ALAMEDA
EPA Region: 09
Land Type:
Receive Date: 19960901

Violation/Evaluation Summary

Note: NO VIOLATIONS: All of the compliance records associated with this facility (EPA ID) indicate NO VIOLATIONS; Compliance Monitoring and Enforcement table dated Mar, 2019.

Evaluation Details

Evaluation Start Date: 19920825
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State Contractor/Grantee

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19960901
Handler Name:	MELROSE FORD
Generator Status Universe:	Small Quantity Generator
Source Type:	Implementer

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19851015
Handler Name:	MELROSE FORD
Generator Status Universe:	Small Quantity Generator
Source Type:	Notification

Owner/Operator Details

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	NOT REQUIRED
Name:	NOT REQUIRED	**Street 2:**	
Date Became Current:		**City:**	NOT REQUIRED
Date Ended Current:		**State:**	ME
Phone:	415-555-1212	**Country:**	
Source Type:	Implementer	**Zip Code:**	99999

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	NOT REQUIRED
Name:	MELROSE FORD	**Street 2:**	
Date Became Current:		**City:**	NOT REQUIRED
Date Ended Current:		**State:**	ME
Phone:	415-555-1212	**Country:**	
Source Type:	Notification	**Zip Code:**	99999

13	*1 of 2*	*ENE*	*0.14 / 761.84*	*46.23 / 8*	*3050 International Boulevard* *3050 International Boulevard* *Oakland CA 94601*	*FED BROWNFIELDS*

Type of Funding:	Hazardous
Acres Property ID:	142501
Property Size(Acres):	.9
Local Property No:	025-0720-002-01
Ownership Entity:	Government
Current Owner:	
Did Ownership Change:	Y
Sfllp Fact into the Owship:	N
Latitude:	37.778533
Longitude:	-122.226859
Horizontal Collection Mthd:	Address Matching-House Number
Source Map Scale:	
Reference Point:	Entrance Point of a Facility or Station
Horiz Reference Datum:	North American Datum of 1983
Cleanup Required:	Y

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Cntmnt Fnd Ctrl Sbstncs:						
Cntmnt Fnd Petroleum:		Y				
Cntmnt Fnd Asbestos:						
Cntmnt Fnd Lead:						
Cntmnt Fnd Pahs:						
Cntmnt Fnd Pcbs:						
Cntmnt Fnd Vocs:						
Cntmnt Fnd Selenium:						
Cntmnt Fnd Iron:						
Cntmnt Fnd Arsenic:						
Cntmnt Fnd Cadmium:						
Cntmnt Fnd Chromium:						
Cntmnt Fnd Copper:						
Cntmnt Fnd Mercury:						
Cntmnt Fnd Nickel:						
Cntmnt Fnd Pesticides:						
Cntmnt Fnd Svocs:						
Cntmnt Fnd Other Metals:						
Cntmnt Fnd Other:						
Cntmnt Fnd Other Descr :						
Cntmnt Fnd Unknown:						
Cntmnt Fnd None:						
Cntmnt Clnd Up Ctl Sbst:						
Cntmnt Clnd Up Petroleum:		Yes				
Cntmnt Clnd Up Asbestos:						
Cntmnt Clnd Up Lead:						
Cntmnt Clnd Up PAHs:						
Cntmnt Clnd Up PCBs:						
Cntmnt Clnd Up VOCs:						
Cntmnt Clnd Up Selenium:						
Cntmnt Clnd Up Iron:						
Cntmnt Clnd Up Arsenic:						
Cntmnt Clnd Up Cadmium:						
Cntmnt Clnd Up Chromium:						
Cntmnt Clnd Up Copper:						
Cntmnt Clnd Up Mercury:						
Cntmnt Clnd Up Nickel:						
Cntmnt Clnd Up Pesticides:						
Cntmnt Clnd Up Svocs:						
Cntmnt Clnd Oth Metals:						
Cntmnt Clnd Up Other:						
Cntmnt Clnd Up Oth Desc:						
Cntmnt Clnd Up Unknown:						
Cntmnt Clnd Up None:						
Media Affected Air:						
Media Affected Sediments:						
Media Affected Soil:		Y				
Media Affect Drnking Wtr:						
Media Affected Grnd Wtr:						
Media Affctd Surf Wtr:						
Media Affctd Bldg Matrls:						
Media Affected Indoor Air:						
Media Affected None:						
Media Affected Unknown:						
Media Clnd Up Air:						
Media Clnd Up Sediments:						
Media Clnd Up Soil:		Yes				
Media Clnd Up Drnk Wtr:						
Media Clnd Up Grnd Wtr:						
Media Clnd Up Surf Wtr:						
Media Clnd Up Bldg Mats:						
Media Clnd Up Indoor Air:						
Media Clnd Up Unknown:						
St Tribal Prg ID No:						
Further Action Cleanup:						
Enrollment St Tribal Prg:						
Institutional Ctrl ICs Req:		N				
IC Catgry Proprietary Ctrls:						
IC Catgry Informational Dev:						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

IC Catgry Govmntal Ctrls:	
IC Catgry Enfrc Prmt Tls:	
ICs in Place:	
Date ICs in Place:	
Photographs are Available:	N
Video is Available:	N
Description History:	

--Details--

Grant Recipient Name:	Oakland, City of
Accomplishment Counted:	1
Cooperative Agrment No:	96990101
Type Brownfields Grant:	Assessment
Assessment Phase:	Phase II Environmental Assessment
Assessment Start Date:	03/19/2012 00:00:00
Assessment Compltn Dt:	03/30/2012 00:00:00
Srce of Assessment Fund:	US EPA - Brownfields Assessment Cooperative Agreement
Entity Prov Assmnt Fund:	EPA
Assessment Funding Amt:	13798
Cleanup Start Date:	
Cleanup Completion Date:	
Acres Cleaned Up:	
Cleanup Funding Source:	
Entity Prvd Cleanup Fund:	
Cleanup Funding Amount:	
Redevelopment Start Dt:	
No of Clnup/Redev Jobs:	
Acre/Grnspace Created:	
Src of Redev Funding:	
Entity Prvd Redev Funds:	
Redev Funding Amount:	
Highlights:	
IC Data Address:	
Redev Completion Date:	
Past Use Greenspace Arces:	
Past Use Residential Arces:	
Past Use Commercial Arces:	
Past Use Industrial Arces:	
Past Use Multistory Arces:	
Future Use Multistory Arces:	
Future Use Greenspace:	
Future Use Residential:	
Future Use Commercial:	
Future Use Industrial:	
2010 Below Poverty No:	4164
2010 Below Poverty Pct:	30.3%
2010 Median Income:	10866
2010 Low Income No:	7843
2010 Low Income Pct:	57.1%
2010 Vacant Housing No:	654
2010 Vac Housing Pct:	14.1%
2010 Unemployed No:	1020
2010 Unemployed:	7.4%

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
13	2 of 2	ENE	0.14 / 761.84	46.23 / 8	MELROSE FORD 3050 INTERNATIONAL BLVD Oakland CA 94601	ALAMEDA LOP

Record ID:	RO0000544
Alt Record ID:	SD0000544
Program:	LUST
Release Type:	UST
Site Contact:	CHAN, BARNEY
RP Identification Date:	3/20/1992 12:00:00 AM
GIS Latitude:	37.7783723974
GIS Longitude:	-122.2271002038

Data Source: Local Oversight Program Detailed Inventory; Local Oversight Program Inventory

--Details--

Program Element: 5602
Status: 9
Status Desc: Case closed
Substance: 8006619
Org Name: ALAMEDA COUNTY LOP
Description 1: Case Closed
Description 2: Not Applicable
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Soil only affected
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 9
Status Desc: Case closed
Substance: 8006619
Org Name: MELROSE FORD INC
Description 1: Case Closed
Description 2: Property/Fee Title Owner
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Soil only affected
Description 6: Substance released from Underground Storage Tank System

---

14	1 of 1	ENE	0.15 / 774.24	46.13 / 8	1824 E. 14TH STREET 1824 E. 14TH STREET OAKLAND CA 94606	CLEANUP SITES

Global ID: T10000007959
Status: OPEN - INACTIVE
Status Date: 2015-11-12 00:00:00
Site Code:
Site Facility Type: CLEANUP PROGRAM SITE
County: ALAMEDA
Latitude: 37.77828
Longitude: -122.22719
Data Source: Cleanup Program Sites from GeoTracker Search; Cleanup Sites from GeoTracker Cleanup Sites Data Download

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case Number: 01S0139
Local Case Number:
Begin Date: 2015-11-12 00:00:00
Stop Method:
CUF Case: NO
Case Worker:
File Location: Regional Board
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Local Agency:
Potential COC: Other Solvent or Non-Petroleum Hydrocarbon
Potential Media of Concern: Other Groundwater (uses other than drinking water)
How Discovered:
How Discovered Description:
Stop Description:
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
DWR GW Subbasin Name: Santa Clara Valley - East Bay Plain (2-009.04)
Disadvantaged Community: Disadvantaged Community
Site History:

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Acitivity

Action Type: RESPONSE
Date : 1987-12-07 00:00:00
Action: Other Report / Document

Action Type: RESPONSE
Date : 1987-05-26 00:00:00

Action: Tank Removal Report / UST Sampling Report

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Open - Inactive
Status Date: 2015-11-12 00:00:00

Status: Open - Case Begin Date
Status Date: 2015-11-12 00:00:00

Cleanup Program Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)

Project Status:
CUF Claim:
CUF Priority Assign:
CUF Amount Paid:
User Defined Beneficial Use:
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: http://geotracker.waterboards.ca.gov/profile_report?global_id=T10000007959
Cleanup Status Detail: OPEN - INACTIVE AS OF 11/12/2015
Cleanup History Link: http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T10000007959&tabname=regulatoryhistory
Potential COC: OTHER SOLVENT OR NON-PETROLEUM HYDROCARBON
Potential Media Of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
DWR GW Sub Basin: Santa Clara Valley - East Bay Plain (2-009.04)
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: SAN FRANCISCO BAY RWQCB (REGION 2) (LEAD) - CASE #: 01S0139
Site History:

WDR Place Type:
WDR File:
WDR Order:
File Location: REGIONAL BOARD

No site history available

Cleanup Program Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)

Action Type: Response Requested - Other
Action Date: 12/7/1987
Received Issue Date: 12/7/1987
Action: Other Report / Document
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000007959&doc_id=5884479
Title Description Comments:

Notification of Hazardous Waste Discharge

Action Type: Response Requested - Reports
Action Date: 5/26/1987
Received Issue Date: 5/26/1987
Action: Tank Removal Report / UST Sampling Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000007959&doc_id=5884477
Title Description Comments:

Lab Analysis on Tank Removal

Cleanup Program Sites from GeoTracker Search - Documents(as of Jan 18, 2019)

Document Type: Site Documents
Document Date: 12/7/1987
Size :
Title: NOTIFICATION OF HAZARDOUS WASTE DISCHARGE
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007959&document_id=5884479
Type: OTHER REPORT / DOCUMENT

Submitted:
Submitted By: ASHA TURMAN (REGULATOR)

Document Type: Site Documents
Submitted:
Document Date: 5/26/1987
Submitted By: ASHA TURMAN (REGULATOR)
Size :
Title: LAB ANALYSIS ON TANK REMOVAL
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007959&document_id=5884477
Type: TANK REMOVAL REPORT / UST SAMPLING REPORT

Cleanup Program Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)

Status: Open - Case Begin Date
Date : 11/12/2015

Status: Open - Inactive
Date : 11/12/2015

15	1 of 3	SSW	0.15 / 780.83	35.10 / -3	DEL MONTE PLANT #37 3100 9TH OAKLAND CA 94601	LUST

Global ID: T06019745070
County: ALAMEDA
Status: COMPLETED - CASE CLOSED
Latitude: 37.774009
Status Date: 2005-01-11 00:00:00
Longitude: -122.229646
Case Type: LUST CLEANUP SITE
Date Source: LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case Number:
Potential COC: Heating Oil / Fuel Oil
Local Case Number:
How Discovered: Other Means
Begin Date: 1985-11-12 00:00:00
Stop Method: Other Means
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Stop Description:
Local Agency:
Case Worker: UUU
CUF Case: NO
File Location: Regional Board
Potential Media of Concern: Other Groundwater (uses other than drinking water)
How Discovered Description:
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
DWR GW Subbasin Name: Santa Clara Valley - East Bay Plain (2-009.04)
Disadvantaged Community:
Site History:

Regulatory Activity

Action Type: REMEDIATION
Date : 9999-09-09 00:00:00
Action: Excavation

Action Type: Other
Date : 1985-11-12 00:00:00
Action: Leak Reported

Regulatory Contacts

Contact Type: Regional Board Caseworker
Address: 1515 CLAY ST SUITE 1400
Contact Name: Regional Water Board
Email:
City: OAKLAND
Phone Number:
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)

Status History

Status: Completed - Case Closed

Status Date: 2005-01-11 00:00:00

Status: Open - Case Begin Date
Status Date: 1985-11-12 00:00:00

Status: Open - Verification Monitoring
Status Date: 1985-11-12 00:00:00

LUST Cleanup Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)

Site Facility Name: DEL MONTE PLANT #37
Site Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Project Status:
Potential COC: HEATING OIL / FUEL OIL
WDR Place Type:
WDR File:
WDR Order:
Address: 3100 9TH
City: OAKLAND
Zip: 94601
County: ALAMEDA
CUF Claim:
CUF Priority Assig:
CUF Amount Paid:
File Location: REGIONAL BOARD
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: http://geotracker.waterboards.ca.gov/profile_report?global_id=T06019745070
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 1/11/2005
Cleanup History Link: http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T06019745070&tabname=regulatoryhistory
Potential Media Of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
User Defined Beneficial Use: SW - MUNICIPAL AND DOMESTIC SUPPLY
DWR GW Sub Basin: Santa Clara Valley - East Bay Plain (2-009.04)
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: SAN FRANCISCO BAY RWQCB (REGION 2) (LEAD)
CASEWORKER: Regional Water Board
Site History:

No site history available

LUST Cleanup Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)

Status: Completed - Case Closed
Date : 1/11/2005

Status: Open - Verification Monitoring
Date : 11/12/1985

Status: Open - Case Begin Date
Date : 11/12/1985

LUST Cleanup Sites from GeoTracker Search - Cleanup Action(as of Jan 18, 2019)

Action Type: EXCAVATION
Phase:
Contaminant Mass Removed:
Description:
Begin Date: 9/9/9999
End Date: 9/9/9999

LUST Cleanup Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)

Action Type: Cleanup Action
Action Date: 9/9/9999
Received Issue Date:
Action: Excavation
Doc Link:

Action Type: Leak Action
Action Date: 11/12/1985

Received Issue Date:
Action: Leak Reported
Doc Link:

15	2 of 3	SSW	0.15 / 780.83	35.10 / -3	DEL MONTE PLANT 37/237 3100 9TH OAKLAND CA 94601	LUST

Global ID: T0600100438
Status: COMPLETED - CASE CLOSED
Status Date: 1995-10-30 00:00:00
Case Type: LUST CLEANUP SITE
Date Source: LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download
County: ALAMEDA
Latitude: 37.7752
Longitude: -122.231516

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case Number: 01-0482
Local Case Number: RO0002898
Begin Date: 1994-12-13 00:00:00
Lead Agency: ALAMEDA COUNTY LOP
Local Agency:
CUF Case: NO
Potential Media of Concern: Other Groundwater (uses other than drinking water)
How Discovered Description:
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
DWR GW Subbasin Name: Santa Clara Valley - East Bay Plain (2-009.04)
Disadvantaged Community:
Site History:
Potential COC: Heating Oil / Fuel Oil
How Discovered: Other Means
Stop Method: Other Means
Stop Description:
Case Worker:
File Location: Regional Board

Regulatory Activity

Action Type: RESPONSE
Date : 2005-01-11 00:00:00
Action: Other Report / Document

Action Type: RESPONSE
Date : 2004-12-08 00:00:00
Action: Correspondence

Action Type: RESPONSE
Date : 2004-10-10 00:00:00
Action: Correspondence

Action Type: RESPONSE
Date : 1995-11-01 00:00:00
Action: Final Remedial Action Report / Corrective Action Report

Action Type: RESPONSE
Date : 1995-04-03 00:00:00
Action: Correspondence

Action Type: RESPONSE
Date : 1995-03-01 00:00:00
Action: Final Remedial Action Report / Corrective Action Report

Action Type: RESPONSE
Date : 1995-03-01 00:00:00
Action: Remedial Progress Report

Action Type: Other
Date : 1994-12-13 00:00:00
Action: Leak Reported

Action Type: Other

Date : 1994-12-13 00:00:00
Action: Leak Discovery

Action Type: RESPONSE
Date : 1994-11-01 00:00:00
Action: Soil and Water Investigation Report

Regulatory Contacts

Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
City: OAKLAND
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
Email:
Phone Number:

Status History

Status: Completed - Case Closed
Status Date: 1995-10-30 00:00:00

Status: Open - Case Begin Date
Status Date: 1994-12-13 00:00:00

LUST Cleanup Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)

Site Facility Name: DEL MONTE PLANT 37/237
Site Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Project Status:
Potential COC: HEATING OIL / FUEL OIL
WDR Place Type:
WDR File:
WDR Order:
File Location: REGIONAL BOARD
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: http://geotracker.waterboards.ca.gov/profile_report?global_id=T0600100438
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 10/30/1995
Cleanup History Link: http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0600100438&tabname=regulatoryhistory
Potential Media Of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
User Defined Beneficial Use: SW - MUNICIPAL AND DOMESTIC SUPPLY
DWR GW Sub Basin: Santa Clara Valley - East Bay Plain (2-009.04)
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: ALAMEDA COUNTY LOP (LEAD) - CASE #: RO0002898
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 01-0482
CASEWORKER: Regional Water Board
Address: 3100 9TH
City: OAKLAND
Zip: 94601
County: ALAMEDA
CUF Claim:
CUF Priority Assig:
CUF Amount Paid:

Site History:

No site history available

LUST Cleanup Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)

Status: Completed - Case Closed
Date : 10/30/1995

Status: Open - Case Begin Date
Date : 12/13/1994

LUST Cleanup Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)

Action Type: Response Requested - Other

Action Date: 1/11/2005
Received Issue Date: 1/11/2005
Action: Other Report / Document
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600100438&doc_id=5714465

Action Type: Response Requested - Other
Action Date: 12/8/2004
Received Issue Date: 12/8/2004
Action: Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600100438&doc_id=5756393

Action Type: Response Requested - Other
Action Date: 10/10/2004
Received Issue Date: 10/10/2004
Action: Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600100438&doc_id=5975710

Action Type: Response Requested - Reports
Action Date: 11/1/1995
Received Issue Date: 11/1/1995
Action: Final Remedial Action Report / Corrective Action Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600100438&doc_id=5714463

Action Type: Response Requested - Other
Action Date: 4/3/1995
Received Issue Date: 4/3/1995
Action: Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600100438&doc_id=5757117

Action Type: Response Requested - Reports
Action Date: 3/1/1995
Received Issue Date: 3/1/1995
Action: Final Remedial Action Report / Corrective Action Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600100438&doc_id=5714462

Action Type: Response Requested - Reports
Action Date: 3/1/1995
Received Issue Date: 3/1/1995
Action: Remedial Progress Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600100438&doc_id=5756964

Action Type: Leak Action
Action Date: 12/13/1994
Received Issue Date:
Action: Leak Reported
Doc Link:

Action Type: Leak Action
Action Date: 12/13/1994
Received Issue Date:
Action: Leak Discovery
Doc Link:

Action Type: Response Requested - Reports
Action Date: 11/1/1994
Received Issue Date: 11/1/1994
Action: Soil and Water Investigation Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600100438&doc_id=5714461

LUST Cleanup Sites from GeoTracker Search - Documents(as of Jan 18, 2019)

Document Type: Site Documents
Document Date: 1/11/2005
Type: OTHER REPORT / DOCUMENT
Size :
Submitted By: (REGULATOR)
Submitted:
Title: CONFIRMATION OF CASE CLOSURE FOR FORMER DEL MONTE CANNERY 37/237 - REGULATOR RESPONSE
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100438&document_id=5714465

Document Type: Site Documents **Size :**
Document Date: 12/8/2004 **Submitted By:** MICHAEL WRIGLEY (REGULATOR)
Type: CORRESPONDENCE **Submitted:**
Title: CCN LETTER - WB CONFIRM CASE CLOSURE 12.8.04
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100438&document_id=5756393

Document Type: Site Documents **Size :**
Document Date: 10/10/2004 **Submitted By:** MADELEINE LITTLE (REGULATOR)
Type: CORRESPONDENCE **Submitted:**
Title: LETTER - REQUEST FOR MTBE TESTING DATA IN CONNECTION WITH SITE CLOSURE
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100438&document_id=5975710

Document Type: Site Documents **Size :**
Document Date: 11/1/1995 **Submitted By:** (REGULATOR)
Type: FINAL REMEDIAL ACTION REPORT / CORRECTIVE ACTION REPORT **Submitted:**
Title: REPORT ON REMEDIATION ACTIVITIES DEL MONTE PLANTS 37 AND 237
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100438&document_id=5714463

Document Type: Site Documents **Size :**
Document Date: 4/3/1995 **Submitted By:** MICHAEL WRIGLEY (REGULATOR)
Type: CORRESPONDENCE **Submitted:**
Title: CH2M HILL LETTER TO RWQCB MEETING NOTES - 4.3.95
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100438&document_id=5757117

Document Type: Site Documents **Size :**
Document Date: 3/1/1995 **Submitted By:** MICHAEL WRIGLEY (REGULATOR)
Type: REMEDIAL PROGRESS REPORT **Submitted:**
Title: REPORT ON REMEDIATION ACTIVITIES 1ST STAGE PLANTS 37 & 237 BY CH2M HILL - 3.95
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100438&document_id=5756964

Document Type: Site Documents **Size :**
Document Date: 3/1/1995 **Submitted By:** (REGULATOR)
Type: FINAL REMEDIAL ACTION REPORT / CORRECTIVE ACTION REPORT **Submitted:**
Title: REPORT ON REMEDIATION ACTIVITIES DEL MONTE PLANTS 37 AND 237
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100438&document_id=5714462

Document Type: Site Documents **Size :**
Document Date: 11/1/1994 **Submitted By:** (REGULATOR)
Type: SOIL AND WATER INVESTIGATION REPORT **Submitted:**
Title: INVESTIGATION REPORT FOR DEL MONTE PLANTS 37 AND 237
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100438&document_id=5714461

15	3 of 3	SSW	0.15 / 780.83	35.10 / -3	SAV ON DRUG 3714 3100 E NINETH ST OAKLAND CA 94601	RCRA NON GEN

EPA Handler ID: CAD009165796
Gen Status Universe: No Report
Contact Name: JAMIE TARRANT
Contact Address: P O BOX 26948 , , SALT LAKE CITY , UT, 84126 , US
Contact Phone No and Ext: 801-961-5780
Contact Email:
Contact Country: US
County Name: ALAMEDA
EPA Region: 09
Land Type: Private
Receive Date: 19971014

Violation/Evaluation Summary

Note: NO VIOLATIONS: All of the compliance records associated with this facility (EPA ID) indicate NO VIOLATIONS; Compliance Monitoring and Enforcement table dated Mar, 2019.

Evaluation Details

Evaluation Start Date: 19911025
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State Contractor/Grantee

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 19971014
Handler Name: SAV ON DRUG 3714
Generator Status Universe: No Report
Source Type: Notification

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19970117
Handler Name: SAV ON DRUG 3714
Generator Status Universe: No Report
Source Type: Notification

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19960901
Handler Name: SAV ON DRUG 3714
Generator Status Universe: No Report
Source Type: Implementer

Hazardous Waste Handler Details

Sequence No: 3
Receive Date: 19940225
Handler Name: CALIF-WASH CAN CORP
Generator Status Universe: No Report
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 19920120

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Handler Name: DEL MONTE FOODS #237
Generator Status Universe: No Report
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19900402
Handler Name: DEL MONTE PLANT #237
Generator Status Universe: No Report
Source Type: Annual/Biennial Report

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Private
Name: NOT REQUIRED
Date Became Current:
Date Ended Current:
Phone: 415-555-1212
Source Type: Implementer
Street No:
Street 1: NOT REQUIRED
Street 2:
City: NOT REQUIRED
State: ME
Country:
Zip Code: 99999

Owner/Operator Ind: Current Owner
Type: Private
Name: FHHGFH
Date Became Current:
Date Ended Current:
Phone: 999-999-9999
Source Type: Notification
Street No:
Street 1: FDHHHH
Street 2:
City: FGSGGSS
State: CA
Country:
Zip Code: 99999

Owner/Operator Ind: Current Owner
Type: Private
Name: SAV ON DRUG 3714
Date Became Current:
Date Ended Current:
Phone: 510-532-0100
Source Type: Notification
Street No:
Street 1: 3100 E NINETH ST
Street 2:
City: OAKLAND
State: CA
Country:
Zip Code: 94601

16	1 of 3	SSW	0.15 / 789.13	33.25 / -5	OAKLAND PLANT 37 1100 29TH AVE OAKLAND CA 94601	HHSS

County: Alameda
Pdf File Url: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00035ef0.pdf

---

16	2 of 3	SSW	0.15 / 789.13	33.25 / -5	OAKLAND PLANT #37 1100 29TH AVE OAKLAND CA	HIST TANK

Owner Name: DEL MONTE CORP
Owner Street: 1 MARKET PLAZA
Owner City: SAN FRANCISCO
Owner State: CA
Owner Zip: 95119
No of Containers: 3
County: ALAMEDA
Facility State: CA
Facility Zip: 94601

16	3 of 3	SSW	0.15 / 789.13	33.25 / -5	DEL MONTE USA OAKLAND #37 1100 29TH ST OAKLAND CA 94601	RCRA SQG

EPA Handler ID: CAD981167554
Gen Status Universe: Small Quantity Generator
Contact Name:

Contact Address:	US
Contact Phone No and Ext:	
Contact Email:	
Contact Country:	US
County Name:	ALAMEDA
EPA Region:	09
Land Type:	
Receive Date:	19960901

Violation/Evaluation Summary

Note:	NO RECORDS: As of Mar 2019, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19960901
Handler Name:	DEL MONTE USA OAKLAND #37
Generator Status Universe:	Small Quantity Generator
Source Type:	Implementer

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19851220
Handler Name:	DEL MONTE USA OAKLAND #37
Generator Status Universe:	Small Quantity Generator
Source Type:	Notification

Owner/Operator Details

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street 1:***	NOT REQUIRED
Name:	NOT REQUIRED	***Street 2:***	
Date Became Current:		***City:***	NOT REQUIRED
Date Ended Current:		***State:***	ME
Phone:	415-555-1212	***Country:***	
Source Type:	Implementer	***Zip Code:***	99999
Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Private	***Street 1:***	NOT REQUIRED
Name:	NABISCO BRANDS INC	***Street 2:***	
Date Became Current:		***City:***	NOT REQUIRED
Date Ended Current:		***State:***	ME

Phone:	415-555-1212	**Country:**	
Source Type:	Notification	**Zip Code:**	99999

17	1 of 1	NE	0.16 / 859.83	48.71 / 11	ASPIRE ERES ACADEMY 2956 INTERNATIONAL BOULEVARD OAKLAND CA 94601	ENVIROSTOR

Estor/EPA ID:	60002285	**Permit Renewal Lead:**	
Site Code:	204282	**Project Manager:**	
Nat Priority List:	NO	**Supervisor:**	JOSE SALCEDO
Acres:	0.88 ACRES	**Public Partici Spclst:**	
Special Program:		**Census Tract:**	6001406202
Funding:	SCHOOL DISTRICT	**County:**	ALAMEDA
Assembly District:	, 18	**Latitude:**	37.779263
Senate District:	, 09	**Longitude:**	-122.227608

School District: ASPIRE PUBLIC SCHOOLS SCHOOL DISTRICT
APN: 025 072000100, 025 072000201, 025 072000702
Cleanup Status: ACTIVE AS OF 12/15/2015
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY
Site Type: SCHOOL
Office: NORTHERN CALIFORNIA SCHOOLS & SANTA SUSANA
Past Use that Caused Contam: RESIDENTIAL AREA
Potential Media Affected: OTHER GROUNDWATER AFFECTED (USES OTHER THAN DRINKING WATER), SOIL, SOIL VAPOR
Potential Contamin of Concern:

LEAD, ORGANOCHLORINE PESTICIDES (8081 OCPS), PETROLEUM, POLYCHLORINATED BIPHENYLS (PCBS, SEE IRIS), TETRACHLOROETHYLENE (PCE), UNDER INVESTIGATION

Site History:

District submitted a Phase I application and Phase I Report via email on 12/14/15. The Phase I was prepared for the Aspire Eres Academy, located at 2956 International Boulevard, in the city of Oakland, Alameda County, California (Site).

According to the Aspire Public Schools (APS), the 0.88-acre Site is identified by Alameda County Assessor's Parcel Numbers 25-720-1, 25-720-2-1, and 25-720-5-2. The Site is developed with an apartment building and the remainder of the Site is paved with asphalt. The Site is bordered by Fruitvale Health Care Center to the north, a retail-clothing store and a children's medical facility to the south, residential apartments to the east, and the Native American Health Center to the west. APS is planning to construct a new K-8 school to accommodate 24 classrooms and 600 students. Since at least 1946, the Site was developed with the apartment building that currently occupies the northeast portion of the Site.

The Phase I concluded that the following potential contaminants of concern were identified with the Site:

- Petroleum hydrocarbons in soil associated with runoff from a parking lot, a trench, and a former heating oil tank; and
- Petroleum hydrocarbons and chlorinated solvents in groundwater associated with Walt's Transmission facility, located approximately 1,150 feet northeast (and potentially upgradient) of the Site.

On January 6, 2016, DTSC issued a Phase I Determination Letter requiring a Preliminary Environmental Assessment (PEA) for the Site. On February 4, 2016, the Environmental Oversight Agreement was fully executed. On February 26, 2016, DTSC held a scoping meeting for the PEA.

On February 29, 2016, DTSC received the draft PEA Workplan for review. On March 16, 2016, DTSC issued comments on the PEA Workplan. On March 29, 2016 the revised PEA Workplan was received by DTSC. On April 12, 2016, DTSC issued additional comments on the PEA Workplan. On April 22, 2016, DTSC received the second revision of the PEA workplan. On May 4, 2016, DTSC approved the PEA Workplan.

During the week of May 9, 2016, the PEA field work was conducted. On July 5, 2016, DTSC received the draft PEA Report for review and comment. The PEA Report recommended further action for the Site. On July 22, 2016, the consultant notified DTSC that the District was delayed in issuing the public comment period. On October 10, 2016, DTSC received the final PEA Report. On October 25, 2016, DTSC approved the PEA Report with further action required.

On September 6, 2016, the District entered into a School Cleanup Agreement (SCA) to address lead, OCPs, and NOA in surface soil and VOCs in groundwater impacting soil vapor. On September 19, 2016, the draft RAW was received by DTSC. On November 3, 2016, DTSC issued the Community Survey (English and Spanish versions). On November 10, 2016, DTSC issued comments on the draft RAW. On December 19, 2016, DTSC issued the Community Profile Report. On December 27, 2016, DTSC received a revised version of the draft RAW. On January 5, 2017, DTSC issued additional comments on the draft RAW. On January 20, 2017, DTSC received a revised version of the RAW. On February 16, 2017, DTSC provided additional comments on the draft RAW. No revision of the RAW was required. On March 28, 2017, DTSC prepared the draft final Notice of Exception (NOE) in accordance to the California Environmental Quality Act. On April 12 and 26, 2017, DTSC issued additional comments on the draft RAW. On April 24, 2017, DTSC approved the Public Notice and Fact Sheet (English and Spanish versions) for distribution to the Site mailing list. On April 27, 2017, DTSC received the draft NOA O&M Plan for review. On April 27, 2017, DTSC received the draft final version of the RAW. On April 28, 2017, DTSC issued the draft final RAW Adequacy Letter for Public Review. On May 9, 2017, DTSC issued the form 4.15 approval letter. On May 25, 2017, DTSC issued comments on the draft NOA O&M Plan. On June 29, 2017, DTSC received the final RAW for review. On June 30, 2017, DTSC approved the RAW. On

June 30, 2017, DTSC finalized the NOE for the Site. On August 11, 2017, DTSC finalized the RAW Work Notice (English and Spanish versions).

On December 6, 2017, DTSC received the draft Soil Removal Report for review. On January 18, 2018, DTSC issued comments on the draft Soil Removal Report. On January 29, 2018, the draft final Soil Removal Report was received by DTSC for review. On February 6, 2018, DTSC requested the final Soil Removal Report. On March 28, 2018, the final Soil Removal Report was received by DTSC. On March 28, 2018, DTSC approved the Soil Removal Report.

Status: ACTIVE
Program Type: SCHOOL CLEANUP
CalEnviroScreen Score: 71-75%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=60002285

Future Activities

Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Removal Action Completion Report
Due Date: 2019

Completed Activities

Title: Soil Removal Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002285&doc_id=60425658
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Other Report
Date Completed: 3/28/2018
Comments:

Title: Community Letter/Survey
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002285&doc_id=60420420
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Community Profile
Date Completed: 11/3/2016
Comments:

Title: SCA
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002285&enforcement_id=60412028
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: School Cleanup Agreement
Date Completed: 9/6/2016
Comments:

Title: Work Notice
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002285&doc_id=60425859
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Work Notice
Date Completed: 8/11/2017
Comments:

Title: Notice of Exemption
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002285&enforcement_id=60425861
Area Name:

Area Link:
Sub Area:
Sub Area Link:
Document Type: CEQA - Notice of Exemption
Date Completed: 6/30/2017
Comments:

Title: Form 4.15 Approval Letter
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002285&enforcement_id=60427038
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Correspondence
Date Completed: 5/9/2017
Comments:

Title: Public Notice
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002285&doc_id=60425856
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Public Notice
Date Completed: 4/24/2017
Comments:

Title: Community Profile
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002285&doc_id=60421885
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Community Profile
Date Completed: 12/19/2016
Comments:

Title: PEA Workplan
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002285&doc_id=60405077
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Preliminary Endangerment Assessment Workplan
Date Completed: 5/4/2016
Comments:

Title: Removal Action Workplan
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002285&doc_id=60410337
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Removal Action Workplan
Date Completed: 6/30/2017
Comments:

Title: Request for Final RAW
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002285&enforcement_id=60427663
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Correspondence
Date Completed: 5/31/2017
Comments:

Title: PEA Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002285&doc_id=60409221

Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Preliminary Endangerment Assessment Report
Date Completed: 10/25/2016
Comments:

Title: Environmental Oversight Program Application
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002285&doc_id=60405007
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Environmental Oversight Agreement Application
Date Completed: 1/21/2016
Comments:

Title: EOA
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002285&enforcement_id=60405009
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Environmental Oversight Agreement
Date Completed: 2/8/2016
Comments:

Title: Phase I ESA
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002285&doc_id=60403815
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Phase 1
Date Completed: 1/6/2016
Comments:

Title: Fact Sheet
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002285&doc_id=60425854
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Fact Sheets
Date Completed: 4/24/2017
Comments:

18	*1 of 1*	*NNE*	*0.17 / 871.99*	*47.23 / 9*	*LISA JOHNSTON* *1426 29TH AVENUE* *OAKLAND CA 94601*	*RCRA NON GEN*

EPA Handler ID: CAC002997465
Gen Status Universe: No Report
Contact Name: LISA JOHNSTON
Contact Address: 1426 29TH AVENUE , , OAKLAND , CA, 94601 ,
Contact Phone No and Ext: 510-562-1179
Contact Email: SHACARRAHENDERSON@ALLIANCE-ENVIRO.COM
Contact Country:
County Name: ALAMEDA
EPA Region: 09
Land Type:
Receive Date: 20190121

Violation/Evaluation Summary

Note: NO RECORDS: As of Mar 2019, there are no Compliance Monitoring and Enforcement (violation) records

associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20190121
Handler Name:	LISA JOHNSTON
Generator Status Universe:	No Report
Source Type:	Implementer

Owner/Operator Details

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	1426 29TH AVENUE
Name:	LISA JOHNSTON	***Street 2:***	
Date Became Current:		***City:***	OAKLAND
Date Ended Current:		***State:***	CA
Phone:	510-562-1179	***Country:***	
Source Type:	Implementer	***Zip Code:***	94601

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	1426 29TH AVENUE
Name:	LISA JOHNSTON	***Street 2:***	
Date Became Current:		***City:***	OAKLAND
Date Ended Current:		***State:***	CA
Phone:	510-562-1179	***Country:***	
Source Type:	Implementer	***Zip Code:***	94601

19	***1 of 6***	***SE***	***0.17 / 877.60***	***35.36 / -2***	***CLEVELAND STEEL CONTAINER 3100 E 10TH STREET OAKLAND CA 94601***	***EMISSIONS***

2002 Criteria Data

Facility ID:	15023	***CERR Code:***	
Facility SIC Code:	3412	***TOGT:***	14.076
CO:	1	***ROGT:***	13.9239149
Air Basin:	SF	***COT:***	.087
District:	BA	***NOXT:***	.35
COID:	ALA	***SOXT:***	.001
DISN:	BAY AREA AQMD	***PMT:***	.001
CHAPIS:		***PM10T:***	.000574

2002 Toxic Data

Facility ID:	15023	***COID:***	ALA
Facility SIC Code:	3412	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2003 Criteria Data

Facility ID:	15023	***CERR Code:***	
Facility SIC Code:	3412	***TOGT:***	32.831
CO:	1	***ROGT:***	32.44
Air Basin:	SF	***COT:***	.028
District:	BA	***NOXT:***	.114
COID:	ALA	***SOXT:***	0
DISN:	BAY AREA AQMD	***PMT:***	0
CHAPIS:		***PM10T:***	0

2003 Toxic Data

Facility ID:	15023	***COID:***	ALA
Facility SIC Code:	3412	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2004 Criteria Data

Facility ID:	15023	***CERR Code:***	
Facility SIC Code:	3412	***TOGT:***	32.831
CO:	1	***ROGT:***	32.460268
Air Basin:	SF	***COT:***	.028
District:	BA	***NOXT:***	.114
COID:	ALA	***SOXT:***	0
DISN:	BAY AREA AQMD	***PMT:***	0
CHAPIS:		***PM10T:***	0

2004 Toxic Data

Facility ID:	15023	***COID:***	ALA
Facility SIC Code:	3412	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2005 Criteria Data

Facility ID:	15023	***CERR Code:***	
Facility SIC Code:	3412	***TOGT:***	26.805
CO:	1	***ROGT:***	26.4838537

Air Basin:	SF	***COT:***	.091
District:	BA	***NOXT:***	.365
COID:	ALA	***SOXT:***	.001
DISN:	BAY AREA AQMD	***PMT:***	.001
CHAPIS:	Y	***PM10T:***	.000574

2005 Toxic Data

Facility ID:	15023	***COID:***	ALA
Facility SIC Code:	3412	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	Y
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2006 Criteria Data

Facility ID:	15023	***CERR Code:***	
Facility SIC Code:	3412	***TOGT:***	21.486
CO:	1	***ROGT:***	21.2259103
Air Basin:	SF	***COT:***	.102
District:	BA	***NOXT:***	.409
COID:	ALA	***SOXT:***	.001
DISN:	BAY AREA AQMD	***PMT:***	.001
CHAPIS:	Y	***PM10T:***	.000574

2006 Toxic Data

Facility ID:	15023	***COID:***	ALA
Facility SIC Code:	3412	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	Y
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2007 Criteria Data

Facility ID:	15023	***CERR Code:***	
Facility SIC Code:	3412	***TOGT:***	14.315
CO:	1	***ROGT:***	14.1293254
Air Basin:	SF	***COT:***	.157
District:	BA	***NOXT:***	.631
COID:	ALA	***SOXT:***	.002
DISN:	BAY AREA AQMD	***PMT:***	.007
CHAPIS:		***PM10T:***	.006574

2007 Toxic Data

Facility ID:	15023	***COID:***	ALA
Facility SIC Code:	3412	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

2008 Criteria Data

Facility ID:	15023	***CERR Code:***	
Facility SIC Code:	3412	***TOGT:***	24.522
CO:	1	***ROGT:***	24.2218803
Air Basin:	SF	***COT:***	.064
District:	BA	***NOXT:***	.258
COID:	ALA	***SOXT:***	.001
DISN:	BAY AREA AQMD	***PMT:***	0
CHAPIS:		***PM10T:***	0

2008 Toxic Data

Facility ID:	15023	***COID:***	ALA
Facility SIC Code:	3412	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2009 Criteria Data

Facility ID:	15023	***CERR Code:***	
Facility SIC Code:	3412	***TOGT:***	24.518
CO:	1	***ROGT:***	24.2212231
Air Basin:	SF	***COT:***	.064
District:	BA	***NOXT:***	.258
COID:	ALA	***SOXT:***	.001
DISN:	BAY AREA AQMD	***PMT:***	0
CHAPIS:		***PM10T:***	0

2009 Toxic Data

Facility ID:	15023	***COID:***	ALA
Facility SIC Code:	3412	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

19	*2 of 6*	*SE*	*0.17 / 877.60*	*35.36 / -2*	***NORTON PACKAGING, INC*** ***3100 E 10TH STREET*** ***OAKLAND CA 94601***	***EMISSIONS***

1995 Criteria Data

Facility ID:	249	***CERR Code:***	
Facility SIC Code:	3412	***TOGT:***	24.5
CO:	1	***ROGT:***	23.97555
Air Basin:	SF	***COT:***	.1
District:	BA	***NOXT:***	.5
COID:	ALA	***SOXT:***	0
DISN:	BAY AREA AQMD	***PMT:***	0
CHAPIS:		***PM10T:***	0

1995 Toxic Data

Facility ID:	249	***COID:***	ALA
Facility SIC Code:	3412	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1996 Criteria Data

Facility ID:	249	***CERR Code:***	
Facility SIC Code:	3412	***TOGT:***	5.7
CO:	1	***ROGT:***	5.69317
Air Basin:	SF	***COT:***	.1
District:	BA	***NOXT:***	.4
COID:	ALA	***SOXT:***	0
DISN:	BAY AREA AQMD	***PMT:***	0
CHAPIS:		***PM10T:***	0

1996 Toxic Data

Facility ID:	249	***COID:***	ALA
Facility SIC Code:	3412	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1997 Criteria Data

Facility ID:	249	***CERR Code:***	
Facility SIC Code:	3412	***TOGT:***	24.4
CO:	1	***ROGT:***	23.81795
Air Basin:	SF	***COT:***	.1
District:	BA	***NOXT:***	.4
COID:	ALA	***SOXT:***	0
DISN:	BAY AREA AQMD	***PMT:***	0
CHAPIS:		***PM10T:***	0

1997 Toxic Data

Facility ID:	249	***COID:***	ALA
Facility SIC Code:	3412	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1998 Criteria Data

Facility ID:	249	***CERR Code:***	

Facility SIC Code:	3412	***TOGT:***	30.5
CO:	1	***ROGT:***	29.78035
Air Basin:	SF	***COT:***	.1
District:	BA	***NOXT:***	.4
COID:	ALA	***SOXT:***	0
DISN:	BAY AREA AQMD	***PMT:***	0
CHAPIS:		***PM10T:***	0

1998 Toxic Data

Facility ID:	249	***COID:***	ALA
Facility SIC Code:	3412	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1999 Criteria Data

Facility ID:	249	***CERR Code:***	
Facility SIC Code:	3412	***TOGT:***	32.142
CO:	1	***ROGT:***	31.7560584
Air Basin:	SF	***COT:***	.106
District:	BA	***NOXT:***	.423
COID:	ALA	***SOXT:***	.001
DISN:	BAY AREA AQMD	***PMT:***	0
CHAPIS:		***PM10T:***	0

1999 Toxic Data

Facility ID:	249	***COID:***	ALA
Facility SIC Code:	3412	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2000 Criteria Data

Facility ID:	249	***CERR Code:***	
Facility SIC Code:	3412	***TOGT:***	32.142
CO:	1	***ROGT:***	31.76
Air Basin:	SF	***COT:***	.106
District:	BA	***NOXT:***	.423
COID:	ALA	***SOXT:***	.001
DISN:	BAY AREA AQMD	***PMT:***	0
CHAPIS:		***PM10T:***	0

2000 Toxic Data

Facility ID:	249	***COID:***	ALA
Facility SIC Code:	3412	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2001 Criteria Data

Facility ID:	249	***CERR Code:***	
Facility SIC Code:	3412	***TOGT:***	11.82
CO:	1	***ROGT:***	11.6
Air Basin:	SF	***COT:***	.25
District:	BA	***NOXT:***	1.01
COID:	ALA	***SOXT:***	0
DISN:	BAY AREA AQMD	***PMT:***	0
CHAPIS:	Y	***PM10T:***	0

2001 Toxic Data

Facility ID:	249	***COID:***	ALA
Facility SIC Code:	3412	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	Y
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2002 Toxic Data

Facility ID:	249	***COID:***	ALA
Facility SIC Code:	3412	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	Y
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

19	***3 of 6***	***SE***	***0.17 / 877.60***	***35.36 / -2***	***BW NORTON MFG CO, INC 3100 E 10TH STREET OAKLAND CA 94601***	***EMISSIONS***

1987 Criteria Data

Facility ID:	249	***CERR Code:***	
Facility SIC Code:	3412	***TOGT:***	65.7
CO:	1	***ROGT:***	64.82552
Air Basin:	SF	***COT:***	.1
District:	BA	***NOXT:***	.7
COID:	ALA	***SOXT:***	0
DISN:	BAY AREA AQMD	***PMT:***	0
CHAPIS:		***PM10T:***	0

1987 Toxic Data

Facility ID:	249	***COID:***	ALA
Facility SIC Code:	3412	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

1990 Criteria Data

Facility ID:	249	**CERR Code:**	
Facility SIC Code:	3412	**TOGT:**	48
CO:	1	**ROGT:**	44.19908
Air Basin:	SF	**COT:**	.3
District:	BA	**NOXT:**	1.9
COID:	ALA	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	0
CHAPIS:		**PM10T:**	0

1990 Toxic Data

Facility ID:	249	**COID:**	ALA
Facility SIC Code:	3412	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1993 Criteria Data

Facility ID:	249	**CERR Code:**	
Facility SIC Code:	3412	**TOGT:**	26.7
CO:	1	**ROGT:**	24.28954
Air Basin:	SF	**COT:**	.1
District:	BA	**NOXT:**	.5
COID:	ALA	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	0
CHAPIS:		**PM10T:**	0

1993 Toxic Data

Facility ID:	249	**COID:**	ALA
Facility SIC Code:	3412	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

19	4 of 6	SE	0.17 / 877.60	35.36 / -2	BW NORTON MFG CO INC 3100 EAST 10TH STREET OAKLAND CA 94601	HHSS

County: Alameda
Pdf File Url: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00035d58.pdf

---

19	5 of 6	SE	0.17 / 877.60	35.36 / -2	B.W. NORTON MFG. CO. INC. 3100 EAST 10TH. STREET OAKLAND CA	HIST TANK

Owner Name: B.W. NORTON MFG. CO. INC. **No of Containers:** 1

Owner Street:	3100 EAST 10TH. STREET	**County:**	ALAMEDA
Owner City:	OAKLAND	**Facility State:**	CA
Owner State:	CA	**Facility Zip:**	94601
Owner Zip:	94601		

19	6 of 6	SE	0.17 / 877.60	35.36 / -2	CLEVELAND STEEL CONTAINER CORP. 3100 EAST 10TH STREET OAKLAND CA 94601	RCRA LQG

EPA Handler ID:	CAD009105958
Gen Status Universe:	Large Quantity Generator
Contact Name:	DAN HERBERT
Contact Address:	1840 , ENTERPRISE PARKWAY , , TWINSBURG , OH, 44087 , US
Contact Phone No and Ext:	330-405-3000
Contact Email:	
Contact Country:	US
County Name:	ALAMEDA
EPA Region:	09
Land Type:	Private
Receive Date:	20100713

Violation/Evaluation Summary

Note: VIOLATION or UNDETERMINED: There are VIOLATION or UNDETERMINED details or records associated with this facility (EPA ID) in the Compliance Monitoring and Enforcement table dated Mar, 2019.

Violation Details

Citation:	SR - 22 CCR 66262.34(a)
Violation Short Description:	Generators - General
Violation Type:	262.A
Violation Determined Date:	20040324
Scheduled Compliance Date:	
Return to Compliance:	Unverifiable
Actual Return to Compl:	20040704
Violation Responsible Agency:	EPA

Enforcement Details

Enforcement Type:	114
Enforcement Type Description:	
Enforcement Action Date:	20040604
Enf Disposition Status:	
Disposition Status Date:	
Enforcement Lead Agency:	EPA
Proposed Penalty Amount:	
Final Amount:	
Paid Amount:	

Enforcement Type:	120
Enforcement Type Description:	WRITTEN INFORMAL
Enforcement Action Date:	20040604
Enf Disposition Status:	
Disposition Status Date:	
Enforcement Lead Agency:	EPA
Proposed Penalty Amount:	
Final Amount:	
Paid Amount:	

Violation Details

Citation: SR - 22 CCR 66262.34
Violation Short Description: Generators - Records/Reporting
Violation Type: 262.D
Violation Determined Date: 20040324
Scheduled Compliance Date:
Return to Compliance: Unverifiable
Actual Return to Compl: 20040604
Violation Responsible Agency: EPA

Enforcement Details

Enforcement Type: 114
Enforcement Type Description:
Enforcement Action Date: 20040604
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: EPA
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20040604
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: EPA
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Citation: F - 262.30-34.C
Violation Short Description: Generators - General
Violation Type: 262.A
Violation Determined Date: 19980915
Scheduled Compliance Date:
Return to Compliance:
Actual Return to Compl: 19981203
Violation Responsible Agency: EPA

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19981105
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: EPA
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Citation: F - 262.40-43.D
Violation Short Description: Generators - General
Violation Type: 262.A
Violation Determined Date: 19980915
Scheduled Compliance Date:
Return to Compliance:
Actual Return to Compl: 19981203
Violation Responsible Agency: EPA

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19981105
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: EPA
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Evaluation Details

Evaluation Start Date: 20040324
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description: Generators - Records/Reporting
Return to Compliance Date: 20040604
Evaluation Agency: EPA

Evaluation Start Date: 20040324
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description: Generators - General
Return to Compliance Date: 20040704
Evaluation Agency: EPA

Evaluation Start Date: 19980915
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description: Generators - General
Return to Compliance Date: 19981203
Evaluation Agency: EPA

Evaluation Start Date: 19920928
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State Contractor/Grantee

Evaluation Start Date: 19851219
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20100713
Handler Name: CLEVELAND STEEL CONTAINER CORP.
Generator Status Universe: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Sequence No: 10
Receive Date: 20080303
Handler Name: CLEVELAND STEEL CONTAINER CORP.
Generator Status Universe: Large Quantity Generator
Source Type: Annual/Biennial Report

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Sequence No: 9
Receive Date: 20060228

Handler Name: CLEVELAND STEEL CONTAINER CORP.
Generator Status Universe: Large Quantity Generator
Source Type: Annual/Biennial Report

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Sequence No: 8
Receive Date: 20040301
Handler Name: CLEVELAND STEEL CONTAINER CORP
Generator Status Universe: Large Quantity Generator
Source Type: Annual/Biennial Report

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20030303
Handler Name: CLEVELAND STEEL CONTAINER CORPORATION
Generator Status Universe: Large Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D007

Waste Code Description: CHROMIUM

Hazardous Waste Code: D039
Waste Code Description: TETRACHLOROETHYLENE

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Sequence No: 7
Receive Date: 20020121
Handler Name: B W NORTON MFG CO
Generator Status Universe: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 6
Receive Date: 20001012
Handler Name: NORTON PACKAGING, INC.
Generator Status Universe: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 5
Receive Date: 19990304
Handler Name: NORTON PACKAGING, INC.
Generator Status Universe: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19960901
Handler Name: NORTON B W MANUFACTURING CO#
Generator Status Universe: Large Quantity Generator
Source Type: Implementer

Hazardous Waste Handler Details

Sequence No: 4
Receive Date: 19960119
Handler Name: B.W. FORTON MFG. CL. INC.
Generator Status Universe: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 3
Receive Date: 19940309
Handler Name: B W NORTON MFG CO
Generator Status Universe: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No:	2
Receive Date:	19920225
Handler Name:	B.W. NORTON MFG. CO., INC.
Generator Status Universe:	Large Quantity Generator
Source Type:	Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19900316
Handler Name:	B.W. NORTON MFG. CO.,INC.
Generator Status Universe:	Large Quantity Generator
Source Type:	Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19800927
Handler Name:	NORTON B W MANUFACTURING CO#
Generator Status Universe:	Large Quantity Generator
Source Type:	Notification

Owner/Operator Details

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street 1:***	
Name:	CLEVELAND STEEL CONTAINER CORP.	***Street 2:***	
Date Became Current:	20020701	***City:***	
Date Ended Current:		***State:***	
Phone:		***Country:***	US
Source Type:	Annual/Biennial Report	***Zip Code:***	
Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	
Name:	CLEVELAND STEEL CONTAINER	***Street 2:***	
Date Became Current:	20020701	***City:***	
Date Ended Current:		***State:***	
Phone:		***Country:***	
Source Type:	Notification	***Zip Code:***	
Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Private	***Street 1:***	NOT REQUIRED
Name:	B W NORTON MANUFACTURING COMPANY INC	***Street 2:***	
Date Became Current:		***City:***	NOT REQUIRED
Date Ended Current:		***State:***	ME
Phone:	415-555-1212	***Country:***	
Source Type:	Notification	***Zip Code:***	99999
Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Private	***Street 1:***	20670 CORSAIR BLVD
Name:	NORTON PROPERTIES	***Street 2:***	
Date Became Current:	19900101	***City:***	HAYWARD
Date Ended Current:		***State:***	CA
Phone:		***Country:***	US
Source Type:	Annual/Biennial Report	***Zip Code:***	94545
Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Private	***Street 1:***	20670 CORSAIR BLVD.
Name:	NORTON PROPERTIES	***Street 2:***	
Date Became Current:	19300101	***City:***	HAYWARD

Date Ended Current:		**State:**	CA
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report	**Zip Code:**	94545
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	NOT REQUIRED
Name:	NOT REQUIRED	**Street 2:**	
Date Became Current:		**City:**	NOT REQUIRED
Date Ended Current:		**State:**	ME
Phone:	415-555-1212	**Country:**	
Source Type:	Implementer	**Zip Code:**	99999
Owner/Operator Ind:	Current Owner	**Street No:**	1840
Type:	Private	**Street 1:**	ENTERPRISE PARKWAY
Name:	CLEVELAND STEEL CONTAINER CORP	**Street 2:**	
Date Became Current:	20020601	**City:**	TWINSBURG
Date Ended Current:		**State:**	OH
Phone:		**Country:**	
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	44087
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	20670 CORSAIR BUOLEVARD
Name:	NORTON PROPERTIES	**Street 2:**	
Date Became Current:	19800101	**City:**	HAYWARD
Date Ended Current:		**State:**	CA
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report	**Zip Code:**	94545
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	
Name:	CLEVELAND STEEL CONTAINER CORP	**Street 2:**	
Date Became Current:	20020701	**City:**	
Date Ended Current:		**State:**	
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report	**Zip Code:**	
Owner/Operator Ind:	Current Operator	**Street No:**	1840
Type:	Private	**Street 1:**	ENTERPRISE PARKWAY
Name:	CLEVELAND STEEL CONTAINER CORP	**Street 2:**	
Date Became Current:	20020601	**City:**	TWINSBURG
Date Ended Current:		**State:**	OH
Phone:		**Country:**	
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	44087
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	
Name:	CLEVELAND STEEL CONTAINER	**Street 2:**	
Date Became Current:	20020701	**City:**	
Date Ended Current:		**State:**	
Phone:		**Country:**	
Source Type:	Notification	**Zip Code:**	

20	1 of 1	ENE	0.17 / 903.99	47.98 / 10	MELROSE FORD 3050 INTERNATIONAL OAKLAND CA 94601	LUST

Global ID:	T0600100883	**County:**	ALAMEDA
Status:	COMPLETED - CASE CLOSED	**Latitude:**	37.778576
Status Date:	1996-12-19 00:00:00	**Longitude:**	-122.226851
Case Type:	LUST CLEANUP SITE		
Date Source:	LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download		

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case Number:	01-0959	**Potential COC:**	Gasoline
Local Case Number:	RO0000544	**How Discovered:**	Other Means

Begin Date:	1989-09-01 00:00:00	**Stop Method:**	Other Means
Lead Agency:	ALAMEDA COUNTY LOP	**Stop Description:**	
Local Agency:		**Case Worker:**	
CUF Case:	NO	**File Location:**	All Files are on GeoTracker or in the Local Agency Database

Potential Media of Concern: Soil
How Discovered Description:
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
DWR GW Subbasin Name: Santa Clara Valley - East Bay Plain (2-009.04)
Disadvantaged Community:
Site History:

Regulatory Activity

Action Type: REMEDIATION
Date : 9999-09-09 00:00:00
Action:

Action Type: RESPONSE
Date : 1999-03-01 00:00:00
Action: Correspondence

Action Type: Other
Date : 1989-09-01 00:00:00
Action: Leak Reported

Regulatory Contacts

Contact Type:	Regional Board Caseworker	**Address:**	1515 CLAY ST SUITE 1400
Contact Name:	Regional Water Board	**Email:**	
City:	OAKLAND	**Phone Number:**	

Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)

Status History

Status: Completed - Case Closed
Status Date: 1996-12-19 00:00:00

Status: Open - Case Begin Date
Status Date: 1989-09-01 00:00:00

LUST Cleanup Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)

Site Facility Name:	MELROSE FORD	**Address:**	3050 INTERNATIONAL
Site Facility Type:	LUST CLEANUP SITE	**City:**	OAKLAND
Cleanup Status:	COMPLETED - CASE CLOSED	**Zip:**	94601
Project Status:		**County:**	ALAMEDA
Potential COC:	GASOLINE	**CUF Claim:**	
WDR Place Type:		**CUF Priority Assig:**	
WDR File:		**CUF Amount Paid:**	
WDR Order:			

File Location: ALL FILES ARE ON GEOTRACKER OR IN THE LOCAL AGENCY DATABASE
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: http://geotracker.waterboards.ca.gov/profile_report?global_id=T0600100883
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 12/19/1996
Cleanup History Link: http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0600100883&tabname=regulatoryhistory
Potential Media Of Concern: SOIL
User Defined Beneficial Use:
DWR GW Sub Basin: Santa Clara Valley - East Bay Plain (2-009.04)
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
Post Closure Site Management:
Future Land Use:

Cleanup Oversight Agencies: ALAMEDA COUNTY LOP (LEAD) - CASE #: RO0000544
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 01-0959
CASEWORKER: Regional Water Board

Site History:

No site history available

LUST Cleanup Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)

Status: Completed - Case Closed
Date : 12/19/1996

Status: Open - Case Begin Date
Date : 9/1/1989

LUST Cleanup Sites from GeoTracker Search - Cleanup Action(as of Jan 18, 2019)

Action Type: UNKNOWN
Phase:
Contaminant Mass Removed:
Description:
Begin Date: 9/9/9999
End Date: 9/9/9999

LUST Cleanup Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)

Action Type: Cleanup Action
Action Date: 9/9/9999
Received Issue Date:
Action:
Doc Link:

Action Type: Response Requested - Other
Action Date: 3/1/1999
Received Issue Date: 3/1/1999
Action: Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600100883&doc_id=5899277

Action Type: Leak Action
Action Date: 9/1/1989
Received Issue Date:
Action: Leak Reported
Doc Link:

LUST Cleanup Sites from GeoTracker Search - Documents(as of Jan 18, 2019)

Document Type: Site Documents
Document Date: 3/1/1999
Type: CORRESPONDENCE
Title: 3-18-2010 160367 12299 REMEDIAL ACTION COMP CERT 010959
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100883&document_id=5899277
Size :
Submitted By: MICHELE HARDEN (REGULATOR)
Submitted:

21	1 of 1	ESE	0.18 / 952.08	40.87 / 3	OIL CHANGER #616 3132 12TH OAKLAND CA 94601	LUST

Global ID: T0600101042
Status: COMPLETED - CASE CLOSED
Status Date: 1997-10-10 00:00:00
Case Type: LUST CLEANUP SITE
Date Source: LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download
County: ALAMEDA
Latitude: 37.776711
Longitude: -122.226648

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case Number:	01-1132	**Potential COC:**	Gasoline
Local Case Number:	RO0001193	**How Discovered:**	Other Means
Begin Date:	1989-07-14 00:00:00	**Stop Method:**	Other Means
Lead Agency:	ALAMEDA COUNTY LOP	**Stop Description:**	
Local Agency:		**Case Worker:**	
CUF Case:	YES	**File Location:**	All Files are on GeoTracker or in the Local Agency Database

Potential Media of Concern: Soil
How Discovered Description:
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
DWR GW Subbasin Name: Santa Clara Valley - East Bay Plain (2-009.04)
Disadvantaged Community:
Site History:

Regulatory Activity

Action Type: REMEDIATION
Date : 9999-09-09 00:00:00
Action: Excavation

Action Type: Other
Date : 1989-07-14 00:00:00
Action: Leak Reported

Regulatory Contacts

Contact Type:	Regional Board Caseworker	**Address:**	1515 CLAY ST SUITE 1400
Contact Name:	Regional Water Board	**Email:**	
City:	OAKLAND	**Phone Number:**	

Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)

Status History

Status: Completed - Case Closed
Status Date: 1997-10-10 00:00:00

Status: Open - Case Begin Date
Status Date: 1989-07-14 00:00:00

LUST Cleanup Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)

Site Facility Name:	OIL CHANGER #616	**Address:**	3132 12TH
Site Facility Type:	LUST CLEANUP SITE	**City:**	OAKLAND
Cleanup Status:	COMPLETED - CASE CLOSED	**Zip:**	94601
Project Status:		**County:**	ALAMEDA
Potential COC:	GASOLINE	**CUF Claim:**	3030
WDR Place Type:		**CUF Priority Assig:**	B
WDR File:		**CUF Amount Paid:**	$89,898
WDR Order:			

File Location: ALL FILES ARE ON GEOTRACKER OR IN THE LOCAL AGENCY DATABASE
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: http://geotracker.waterboards.ca.gov/profile_report?global_id=T0600101042
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 10/10/1997
Cleanup History Link: http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0600101042&tabname=regulatoryhistory
Potential Media Of Concern: SOIL
User Defined Beneficial Use: GW - MUNICIPAL AND DOMESTIC SUPPLY
DWR GW Sub Basin: Santa Clara Valley - East Bay Plain (2-009.04)
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: ALAMEDA COUNTY LOP (LEAD) - CASE #: RO0001193
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 01-1132

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

CASEWORKER: Regional Water Board

Site History:

No site history available

LUST Cleanup Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)

Status: Completed - Case Closed
Date : 10/10/1997

Status: Open - Case Begin Date
Date : 7/14/1989

LUST Cleanup Sites from GeoTracker Search - Cleanup Action(as of Jan 18, 2019)

Action Type: EXCAVATION
Phase:
Contaminant Mass Removed:
Description:
Begin Date: 9/9/9999
End Date: 9/9/9999

LUST Cleanup Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)

Action Type: Cleanup Action
Action Date: 9/9/9999
Received Issue Date:
Action: Excavation
Doc Link:

Action Type: Leak Action
Action Date: 7/14/1989
Received Issue Date:
Action: Leak Reported
Doc Link:

22	1 of 3	ESE	0.18 / 955.99	38.60 / 1	PERALTA SERVICE UNION STATION 3132 E. 12TH ST. OAKLAND CA 94601	HHSS

County: Alameda
Pdf File Url: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00036291.pdf

---

22	2 of 3	ESE	0.18 / 955.99	38.60 / 1	PERALTA SERVICE UNION STATION 3132 E. 12TH ST. OAKLAND CA	HIST TANK

Owner Name: RALPH B. PAHLMEYER FAMILY TRUS
Owner Street: 3410 LAKESHORE AVE. #205
Owner City: OAKLAND
Owner State: CA
Owner Zip: 94610
No of Containers: 3
County: ALAMEDA
Facility State: CA
Facility Zip: 94601

22	3 of 3	ESE	0.18 / 955.99	38.60 / 1	OIL CHANGER #616 3132 E 12TH ST Oakland CA 94601	ALAMEDA LOP

Record ID: RO0001193
Alt Record ID: SD0001193
Program: LUST

Release Type: UST
Site Contact: CHAN, BARNEY
RP Identification Date: 3/12/1992 12:00:00 AM
GIS Latitude: 37.7762350723
GIS Longitude: -122.2268741726
Data Source: Local Oversight Program Detailed Inventory; Local Oversight Program Inventory

--Details--

Program Element: 5602
Status: 9
Status Desc: Case closed
Substance: 8006619
Org Name: ALAMEDA COUNTY LOP
Description 1: Case Closed
Description 2: Not Applicable
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Soil only affected
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 9
Status Desc: Case closed
Substance: 8006619
Org Name: OIL CHANGERS
Description 1: Case Closed
Description 2: Property/Fee Title Owner
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Soil only affected
Description 6: Substance released from Underground Storage Tank System

---

23	1 of 1	W	0.18 / 973.84	30.44 / -7	LUCASEY MANUFACTURING 2744 11TH OAKLAND CA 94601	CLEANUP SITES

Global ID: T0600133151
Status: COMPLETED - CASE CLOSED
Status Date: 2014-07-31 00:00:00
Site Code:
Site Facility Type: CLEANUP PROGRAM SITE
County: ALAMEDA
Latitude: 37.7779836904198
Longitude: -122.233070330658
Data Source: Cleanup Program Sites from GeoTracker Search; Cleanup Sites from GeoTracker Cleanup Sites Data Download

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case Number: NA
Local Case Number: RO0002902
Begin Date: 2004-08-31 00:00:00
CUF Case: NO
Case Worker:
File Location: All Files are on GeoTracker or in the Local Agency Database
Stop Method: Other Means
Lead Agency: ALAMEDA COUNTY LOP
Local Agency:
Potential COC: Heating Oil / Fuel Oil
Potential Media of Concern: Other Groundwater (uses other than drinking water)
How Discovered: * SA
How Discovered Description:
Stop Description:
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
DWR GW Subbasin Name: Santa Clara Valley - East Bay Plain (2-009.04)
Disadvantaged Community:
Site History:

A release of petroleum hydrocarbons was detected at the site in the area of former underground storage tank (UST). The residual contamination appears to be weathered fuel oil. The fuel source for the site changed from fuel oil to natural gas in the early 1970s; therefore, the fuel system has not been used for more than 30 years. The UST was not located by borings in the suspected location of the UST and is presumed to have been removed. However, no records of UST removal have been found. Petroleum hydrocarbons were observed in soil borings from depths of approximately 11 feet bgs

to depths of as much as 25 feet bgs. The petroleum hydrocarbons were described as visible product in several soil borings advanced at the site. The product appears to be immobile and did not accumulate in product recovery wells that were installed in areas of the site where visible product was observed. The residual contamination extends from the area of the former fuel oil UST downgradient beneath East 11th Street and likely further south beyond East 11th Street. Based on the depth, immobility, and type of petroleum hydrocarbons, the potential for exposure is low and the contamination does not appear to pose a risk unless exposed by excavation. The site has been evaluated and appears to meet the criteria for case closure in the State Water Resources Control Board Low-threat Closure Policy. Based upon the information available in our files to date, no further investigation or cleanup for the fuel leak case is necessary at this time. Not all historic documents for the fuel leak case may be available on GeoTracker. A more complete historic case file for this site is located on the Alameda County Environmental Health website at: http://ehgis.acgov.org/dehpublic/dehpublic.jsp.

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Acitivity

Action Type: ENFORCEMENT
Date : 2014-07-31 00:00:00
Action: Closure/No Further Action Letter - #20140731

Action Type: ENFORCEMENT
Date : 2014-03-13 00:00:00
Action: Staff Letter - #20140313

Action Type: ENFORCEMENT
Date : 2013-12-31 00:00:00
Action: Notification - Public Notice of Case Closure - #20131231

Action Type: ENFORCEMENT
Date : 2013-05-15 00:00:00
Action: Staff Letter - #20130515

Action Type: RESPONSE
Date : 2013-02-19 00:00:00
Action: Technical Memos

Action Type: ENFORCEMENT
Date : 2012-11-01 00:00:00
Action: Staff Letter - #20121101

Action Type: ENFORCEMENT
Date : 2011-12-15 00:00:00
Action: Staff Letter - #20111215

Action Type: ENFORCEMENT
Date : 2011-05-24 00:00:00
Action: Staff Letter - #20110524

Action Type: RESPONSE
Date : 2011-02-14 00:00:00
Action: Corrective Action Plan / Remedial Action Plan

Action Type: ENFORCEMENT
Date : 2010-09-01 00:00:00
Action: Staff Letter - #2010-09-01

Action Type: RESPONSE
Date : 2010-07-16 00:00:00
Action: Soil and Water Investigation Report

Action Type: ENFORCEMENT
Date : 2010-01-06 00:00:00
Action: Staff Letter - #20100106

Action Type: RESPONSE
Date : 2009-11-10 00:00:00
Action: Soil and Water Investigation Workplan

Action Type: ENFORCEMENT
Date : 2009-09-01 00:00:00
Action: Staff Letter - #20090901

Action Type: ENFORCEMENT
Date : 2009-04-30 00:00:00
Action: Staff Letter - #20090430

Action Type: Other
Date : 2005-10-11 00:00:00
Action: Leak Reported

Action Type: Other
Date : 2004-09-14 00:00:00
Action: Leak Discovery

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 2014-07-31 00:00:00

Status: Open - Eligible for Closure
Status Date: 2014-03-13 00:00:00

Status: Open - Verification Monitoring
Status Date: 2012-10-31 00:00:00

Status: Open - Site Assessment
Status Date: 2004-09-14 00:00:00

Status: Open - Case Begin Date
Status Date: 2004-08-31 00:00:00

Status: Open - Site Assessment
Status Date: 2004-08-31 00:00:00

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Phone Number:
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Email:
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND

Cleanup Program Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)

Project Status:
CUF Claim:
CUF Priority Assign:
CUF Amount Paid:
WDR Place Type:
WDR File:
WDR Order:
File Location: ALL FILES ARE ON GEOTRACKER OR IN THE LOCAL AGENCY DATABASE

User Defined Beneficial Use:
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: http://geotracker.waterboards.ca.gov/profile_report?global_id=T0600133151
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 7/31/2014
Cleanup History Link: http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0600133151&tabname=regulatoryhistory
Potential COC: HEATING OIL / FUEL OIL
Potential Media Of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
DWR GW Sub Basin: Santa Clara Valley - East Bay Plain (2-009.04)
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
Post Closure Site Management: DAY CARE CENTER PROHIBITED
ELDER CARE CENTER PROHIBITED
HOSPITAL USE PROHIBITED
NO EXCAVATION OF CONTAMINATED SOILS WITHOUT AGENCY REVIEW AND APPROVAL
NOTIFY PRIOR TO CHANGE IN LAND USE
NOTIFY PRIOR TO DEVELOPMENT
PERFORM H&S PLAN PRIOR TO SUBSURFACE WORK
PUBLIC OR PRIVATE SCHOOL FOR PERSONS UNDER 21 PROHIBITED
RAISING OF FOOD PROHIBITED

	RESIDENCE USE PROHIBITED
Future Land Use:	COMMERCIAL INDUSTRIAL
Cleanup Oversight Agencies:	ALAMEDA COUNTY LOP (LEAD) - CASE #: RO0002902 SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: NA CASEWORKER: Regional Water Board

Site History:

A release of petroleum hydrocarbons was detected at the site in the area of former underground storage tank (UST). The residual contamination appears to be weathered fuel oil. The fuel source for the site changed from fuel oil to natural gas in the early 1970s; therefore, the fuel system has not been used for more than 30 years. The UST was not located by borings in the suspected location of the UST and is presumed to have been removed. However, no records of UST removal have been found.

Petroleum hydrocarbons were observed in soil borings from depths of approximately 11 feet bgs to depths of as much as 25 feet bgs. The petroleum hydrocarbons were described as visible product in several soil borings advanced at the site. The product appears to be immobile and did not accumulate in product recovery wells that were installed in areas of the site where visible product was observed. The residual contamination extends from the area of the former fuel oil UST downgradient beneath East 11th Street and likely further south beyond East 11th Street. Based on the depth, immobility, and type of petroleum hydrocarbons, the potential for exposure is low and the contamination does not appear to pose a risk unless exposed by excavation. The site has been evaluated and appears to meet the criteria for case closure in the State Water Resources Control Board Low-threat Closure Policy. Based upon the information available in our files to date, no further investigation or cleanup for the fuel leak case is necessary at this time.

Not all historic documents for the fuel leak case may be available on GeoTracker. A more complete historic case file for this site is located on the Alameda County Environmental Health website at: http://ehgis.acgov.org/dehpublic/dehpublic.jsp.

Cleanup Program Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)

Action Type:	Other Regulatory Actions
Action Date:	7/31/2014
Received Issue Date:	7/31/2014
Action:	Closure/No Further Action Letter - #20140731
Doc Link:	http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600133151&enforcement_id=6215555&temptable=ENFORCEMENT

Title Description Comments:

CLOS_L_2014-07-31

Action Type:	Other Regulatory Actions
Action Date:	3/13/2014
Received Issue Date:	3/13/2014
Action:	Staff Letter - #20140313
Doc Link:	http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600133151&enforcement_id=6195483&temptable=ENFORCEMENT

Title Description Comments:

WELL_DCM_L_2014-03-13

Action Type:	Notices
Action Date:	12/31/2013
Received Issue Date:	12/31/2013
Action:	Notification - Public Notice of Case Closure - #20131231
Doc Link:	http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600133151&enforcement_id=6187052&temptable=ENFORCEMENT

Title Description Comments:

Public Notice of Case Closure

Action Type:	Other Regulatory Actions
Action Date:	5/15/2013
Received Issue Date:	5/15/2013
Action:	Staff Letter - #20130515
Doc Link:	http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600133151&enforcement_id=6159389&temptable=ENFORCEMENT

Title Description Comments:

DIR_L_2013-05-16

Action Type: Response Requested - Reports
Action Date: *2/19/2013
Received Issue Date: 4/2/2013
Action: Technical Memos
Doc Link:
Title Description Comments:

Response to Technical Comments

Action Type: Other Regulatory Actions
Action Date: 11/1/2012
Received Issue Date: 11/1/2012
Action: Staff Letter - #20121101
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600133151&enforcement_id=6141720&temptable=ENFORCEMENT
Title Description Comments:

DIR_L_2012-11-01

Action Type: Other Regulatory Actions
Action Date: 12/15/2011
Received Issue Date: 12/15/2011
Action: Staff Letter - #20111215
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600133151&enforcement_id=6141717&temptable=ENFORCEMENT
Title Description Comments:

DIR_L_2011-12-15

Action Type: Other Regulatory Actions
Action Date: 5/24/2011
Received Issue Date: 5/24/2011
Action: Staff Letter - #20110524
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600133151&enforcement_id=6141718&temptable=ENFORCEMENT
Title Description Comments:

CORRES_2011-05-24

Action Type: Response Requested - Workplans
Action Date: *2/14/2011
Received Issue Date: 4/7/2011
Action: Corrective Action Plan / Remedial Action Plan
Doc Link:
Title Description Comments:

Corrective Action Plan

Action Type: Other Regulatory Actions
Action Date: 9/1/2010
Received Issue Date: 9/1/2010
Action: Staff Letter - #2010-09-01
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600133151&enforcement_id=6062666&temptable=ENFORCEMENT
Title Description Comments:

DIR_L_2010-09-01

Action Type: Response Requested - Reports
Action Date: *7/16/2010
Received Issue Date: 7/29/2010
Action: Soil and Water Investigation Report
Doc Link:
Title Description Comments:

Site Investigation Report

Action Type: Other Regulatory Actions
Action Date: 1/6/2010
Received Issue Date: 1/6/2010
Action: Staff Letter - #20100106
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600133151&enforcement_id=6039799&temptable=ENFORCEMENT
Title Description Comments:

DIR_L_2010-01-06

Action Type: Response Requested - Workplans
Action Date: 11/10/2009
Received Issue Date: 11/20/2009
Action: Soil and Water Investigation Workplan
Doc Link:
Title Description Comments:

Work Plan

Action Type: Other Regulatory Actions
Action Date: 9/1/2009
Received Issue Date: 9/1/2009
Action: Staff Letter - #20090901
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600133151&enforcement_id=6029134&temptable=ENFORCEMENT
Title Description Comments:

DIR_L_2009-09-01

Action Type: Other Regulatory Actions
Action Date: 4/30/2009
Received Issue Date: 4/30/2009
Action: Staff Letter - #20090430
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600133151&enforcement_id=6012424&temptable=ENFORCEMENT
Title Description Comments:

DIR_L

Action Type: Leak Action
Action Date: 10/11/2005
Received Issue Date:
Action: Leak Reported
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 9/14/2004
Received Issue Date:
Action: Leak Discovery
Doc Link:
Title Description Comments:

Cleanup Program Sites from GeoTracker Search - Documents(as of Jan 18, 2019)

Document Type: Site Documents
Document Date: 7/31/2014
Size :
Title: CLOS_L_2014-07-31
Submitted:
Submitted By: JERRY WICKHAM (REGULATOR)

Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600133151&enforcement_id=6215555
Type: CLOSURE/NO FURTHER ACTION LETTER

Document Type: Site Documents **Submitted:**
Document Date: 3/13/2014 **Submitted By:** JERRY WICKHAM (REGULATOR)
Size :
Title: WELL_DCM_L_2014-03-13
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600133151&enforcement_id=6195483
Type: STAFF LETTER

Document Type: Site Documents **Submitted:**
Document Date: 12/31/2013 **Submitted By:** JERRY WICKHAM (REGULATOR)
Size :
Title: PUBLIC NOTICE OF CASE CLOSURE
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600133151&enforcement_id=6187052
Type: NOTIFICATION - PUBLIC NOTICE OF CASE CLOSURE

Document Type: Site Documents **Submitted:**
Document Date: 5/15/2013 **Submitted By:** JERRY WICKHAM (REGULATOR)
Size :
Title: DIR_L_2013-05-16
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600133151&enforcement_id=6159389
Type: STAFF LETTER

Document Type: Site Documents **Submitted:**
Document Date: 4/2/2013 **Submitted By:** JOHN MOE (AUTH_RP)
Size : 4,305 KB
Title: RESPONSE TO TECHNICAL COMMENTS
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1595153748/T0600133151.PDF
Type: REQUEST FOR CLOSURE

Document Type: Site Documents **Submitted:**
Document Date: 11/1/2012 **Submitted By:** JERRY WICKHAM (REGULATOR)
Size :
Title: DIR_L_2012-11-01
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600133151&enforcement_id=6141720
Type: STAFF LETTER

Document Type: Site Documents **Submitted:**
Document Date: 10/8/2012 **Submitted By:** JOHN MOE (AUTH_RP)
Size : 207 KB
Title: LOW THREAT CLOSURE EVALUATION
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9454910218/T0600133151.PDF
Type: CORRECTIVE ACTION PLAN / REMEDIAL ACTION PLAN - ADDENDUM

Document Type: Site Documents **Submitted:**
Document Date: 3/2/2012 **Submitted By:** JOHN MOE (AUTH_RP)
Size : 675 KB
Title: HUMAN HEALTH RISK ASSESSMENT/EVALUATION
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2508804261/T0600133151.PDF
Type: RISK ASSESSMENT REPORT

Document Type: Site Documents **Submitted:**
Document Date: 12/15/2011 **Submitted By:** JERRY WICKHAM (REGULATOR)
Size :
Title: DIR_L_2011-12-15
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600133151&enforcement_id=6141717
Type: STAFF LETTER

Document Type: Site Documents **Submitted:**
Document Date: 5/24/2011 **Submitted By:** JERRY WICKHAM (REGULATOR)
Size :
Title: CORRES_2011-05-24
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600133151&enforcement_id=6141718
Type: STAFF LETTER

Document Type: Site Documents **Submitted:**
Document Date: 4/7/2011 **Submitted By:** JOHN MOE (AUTH_RP)
Size : 1,688 KB

Title: CORRECTIVE ACTION PLAN
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4560266077/T0600133151.PDF
Type: CAP/RAP - OTHER REPORT

Document Type: Site Documents **Submitted:**
Document Date: 9/1/2010 **Submitted By:** JERRY WICKHAM (REGULATOR)
Size :
Title: DIR_L_2010-09-01
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600133151&enforcement_id=6062666
Type: STAFF LETTER

Document Type: Site Documents **Submitted:**
Document Date: 7/29/2010 **Submitted By:** JOHN MOE (AUTH_RP)
Size : 7,301 KB
Title: SITE INVESTIGATION REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6573373377/T0600133151.PDF
Type: SITE INVESTIGATION

Document Type: Site Documents **Submitted:**
Document Date: 1/6/2010 **Submitted By:** JERRY WICKHAM (REGULATOR)
Size :
Title: DIR_L_2010-01-06
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600133151&enforcement_id=6039799
Type: STAFF LETTER

Document Type: Site Documents **Submitted:**
Document Date: 11/20/2009 **Submitted By:** JOHN MOE (AUTH_RP)
Size : 8,527 KB
Title: SITE INVESTIGATION WORKPLAN (11/20/2009)
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7226853370/T0600133151.PDF
Type: SITE INVESTIGATION WORKPLAN

Document Type: Site Documents **Submitted:**
Document Date: 9/1/2009 **Submitted By:** MYLE DANH (REGULATOR)
Size :
Title: DIR_L_2009-09-01
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600133151&enforcement_id=6029134
Type: STAFF LETTER

Document Type: Site Documents **Submitted:**
Document Date: 8/18/2009 **Submitted By:** JOHN MOE (AUTH_RP)
Size : 3,867 KB
Title: SITE INVESTIGATION RESULTS
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6741441130/T0600133151.PDF
Type: SITE INVESTIGATION

Document Type: Site Documents **Submitted:**
Document Date: 4/30/2009 **Submitted By:** MYLE DANH (REGULATOR)
Size :
Title: DIR_L
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600133151&enforcement_id=6012424
Type: STAFF LETTER

Document Type: Site Documents **Submitted:**
Document Date: 3/27/2009 **Submitted By:** JOHN MOE (AUTH_RP)
Size : 1,538 KB
Title: SITE INVESTIGATION WORKPLAN
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1538500130/T0600133151.PDF
Type: SITE INVESTIGATION WORKPLAN

Document Type: Site Documents **Submitted:**
Document Date: 8/18/2008 **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Size : 3,660 KB
Title: RESULTS OF GORE-SORBER SOIL VAPOR SURVEY AND RECOVERY WELL INSTALLATION
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1616560995/T0600133151.PDF
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**
Document Date: 9/5/2007 **Submitted By:** CLEARWATER GROUP (AUTH_RP)

Size : 354 KB
Title: RESPONSE TO TECHNICAL COMMENTS LETTER
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6008437931/T0600133151.PDF
Type: CORRESPONDENCE - DIRECTIVE RELATED

Document Type: Site Documents **Submitted:**
Document Date: 7/9/2007 **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Size : 2,680 KB
Title: PHASED SOIL & GROUNDWATER INVESTIGATION & RECOVERY TEST WELL INSTALLATION WORKPLAN - 7/6/2007
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1540865838/T0600133151.PDF
Type: WORKPLANS - INVESTIGATION WP

Document Type: Site Documents **Submitted:**
Document Date: 3/8/2007 **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Size : 13,263 KB
Title: SOIL AND GROUNDWATER INVESTIGATION REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9177077353/T0600133151.PDF
Type: REPORTS - INVESTIGATION RPT.

Cleanup Program Sites from GeoTracker Search - Site Maps(as of Jan 18, 2019)

Title: RW-1 (RW-1) **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Size : 65 KB **Submitted:** 10/7/2008
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3615078151/T0600133151.PDF

Title: SB-11 (SB-11) **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Size : 36 KB **Submitted:** 8/20/2008
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9800568103/T0600133151.PDF

Title: SB-23 (SB-23) **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Size : 57 KB **Submitted:** 10/6/2008
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4236224114/T0600133151.PDF

Title: SB-7 (SB-7) **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Size : 36 KB **Submitted:** 8/20/2008
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8549911975/T0600133151.PDF

Title: BH-6 (BH-6) **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Size : 32 KB **Submitted:** 10/7/2008
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5388546168/T0600133151.PDF

Title: SB-6 (SB-6) **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Size : 29 KB **Submitted:** 8/20/2008
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2876515269/T0600133151.PDF

Title: BH-3 (BH-3) **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Size : 31 KB **Submitted:** 10/6/2008
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6787785410/T0600133151.PDF

Title: SB-13 (SB-13) **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Size : 59 KB **Submitted:** 8/20/2008
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4681438624/T0600133151.PDF

Title: SB-15 (SB-15) **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Size : 38 KB **Submitted:** 8/20/2008
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3721008777/T0600133151.PDF

Title: SB-2 (SB-2) **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Size : 29 KB **Submitted:** 8/20/2008
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6179337024/T0600133151.PDF

Title: SB-22 (SB-22) **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Size : 53 KB **Submitted:** 10/6/2008
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2043396472/T0600133151.PDF

Title: BH-4 (BH-4) **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Size : 30 KB **Submitted:** 10/7/2008

Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4693516612/T0600133151.PDF

Title: SB-12 (SB-12) **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Size : 64 KB **Submitted:** 8/20/2008
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1238879144/T0600133151.PDF

Title: SB-14 (SB-14) **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Size : 40 KB **Submitted:** 8/20/2008
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6374619007/T0600133151.PDF

Title: SB-21 (SB-21) **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Size : 55 KB **Submitted:** 8/20/2008
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3926670908/T0600133151.PDF

Title: SB-9 (SB-9) **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Size : 38 KB **Submitted:** 8/20/2008
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2376677572/T0600133151.PDF

Title: RW-2 (RW-2) **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Size : 64 KB **Submitted:** 10/7/2008
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6205372691/T0600133151.PDF

Title: RW-3 (RW-3) **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Size : 98 KB **Submitted:** 10/7/2008
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5270081043/T0600133151.PDF

Title: SB-1 (SB-1) **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Size : 31 KB **Submitted:** 8/20/2008
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1924315512/T0600133151.PDF

Title: SB-24 (SB-24) **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Size : 34 KB **Submitted:** 10/6/2008
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9000076770/T0600133151.PDF

Title: SB-8 (SB-8) **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Size : 62 KB **Submitted:** 8/20/2008
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8570861637/T0600133151.PDF

Title: BH-1 (BH-1) **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Size : 31 KB **Submitted:** 10/6/2008
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9566971302/T0600133151.PDF

Title: BH-2 (BH-2) **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Size : 31 KB **Submitted:** 10/6/2008
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3994705677/T0600133151.PDF

Title: BH-5 (BH-5) **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Size : 32 KB **Submitted:** 10/7/2008
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2511551380/T0600133151.PDF

Title: SB-3 (SB-3) **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Size : 28 KB **Submitted:** 8/20/2008
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3069107532/T0600133151.PDF

Title: SB-4 (SB-4) **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Size : 30 KB **Submitted:** 8/20/2008
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8434086680/T0600133151.PDF

Title: GEO_MAP **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Size : 226 KB **Submitted:** 7/27/2007
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/5048429191/T0600133151.pdf

Title: SB-10 (SB-10) **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Size : 53 KB **Submitted:** 8/20/2008
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9549748301/T0600133151.PDF

Cleanup Program Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)

Status: Completed - Case Closed
Date : 7/31/2014

Status: Open - Eligible for Closure
Date : 3/13/2014

Status: Open - Verification Monitoring
Date : 10/31/2012

Status: Open - Site Assessment
Date : 9/14/2004

Status: Open - Case Begin Date
Date : 8/31/2004

Status: Open - Site Assessment
Date : 8/31/2004

Cleanup Program Sites from GeoTracker Search - Related Cases(as of Jan 18, 2019)

Identifier: T10000007913
Status: OPEN - ASSESSMENT & INTERIM REMEDIAL ACTION
Address: 2744 EAST 11TH STREET
City: OAKLAND
Association: Related Global ID
Description:
Project Name: LUCASEY REDEVELOPMENT
Project Link: http://geotracker.waterboards.ca.gov/profile_report?global_id=T10000007913

24	1 of 1	WNW	0.19 / 1,000.86	26.29 / -12	ROADWAY EXPRESS,INC 1125 27TH AVE OAKLAND CA 94601	CLEANUP SITES

Global ID: SLT2O142148
Status: COMPLETED - CASE CLOSED
Status Date: 2015-02-20 00:00:00
Site Code:
Site Facility Type: CLEANUP PROGRAM SITE
County: ALAMEDA
Latitude: 37.778635
Longitude: -122.232947
Data Source: Cleanup Program Sites from GeoTracker Search; Cleanup Sites from GeoTracker Cleanup Sites Data Download

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case Number: 01S0449
Local Case Number:
Begin Date: 2001-03-08 00:00:00
Stop Method:
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Local Agency:
Potential COC:
Potential Media of Concern:
How Discovered:
How Discovered Description:
Stop Description:
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
DWR GW Subbasin Name: Santa Clara Valley - East Bay Plain (2-009.04)
Disadvantaged Community: Severely Disadvantaged Community
Site History:
CUF Case: NO
Case Worker: UUU
File Location:

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Acitivity

Action Type: RESPONSE
Date : 1995-10-03 00:00:00
Action: Correspondence

Action Type: RESPONSE
Date : 1995-08-30 00:00:00

Action: Correspondence

Action Type: RESPONSE
Date : 1995-08-07 00:00:00
Action: Correspondence

Action Type: RESPONSE
Date : 1995-07-18 00:00:00
Action: Other Report / Document

Action Type: RESPONSE
Date : 1995-05-18 00:00:00
Action: Other Report / Document

Action Type: RESPONSE
Date : 1995-05-05 00:00:00
Action: Other Report / Document

Action Type: RESPONSE
Date : 1995-04-29 00:00:00
Action: Other Report / Document

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 2015-02-20 00:00:00

Status: Open - Inactive
Status Date: 2009-06-03 00:00:00

Status: Open - Case Begin Date
Status Date: 2001-03-08 00:00:00

Status: Open - Site Assessment
Status Date: 2001-03-08 00:00:00

Status: Completed - Case Closed
Status Date: 1995-09-29 00:00:00

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Phone Number:
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Email:
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND

Cleanup Program Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)

Project Status:
CUF Claim:
CUF Priority Assign:
CUF Amount Paid:
User Defined Beneficial Use:
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: http://geotracker.waterboards.ca.gov/profile_report?global_id=SLT2O142148
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 2/20/2015
Cleanup History Link: http://geotracker.waterboards.ca.gov/profile_report_include?global_id=SLT2O142148&tabname=regulatoryhistory
Potential COC: NONE SPECIFIED
Potential Media Of Concern: NONE SPECIFIED
DWR GW Sub Basin: Santa Clara Valley - East Bay Plain (2-009.04)
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
Post Closure Site Management:
Future Land Use:
WDR Place Type:
WDR File:
WDR Order:
File Location:

Cleanup Oversight Agencies: SAN FRANCISCO BAY RWQCB (REGION 2) (LEAD) - CASE #: 01S0449
CASEWORKER: Regional Water Board

Site History:

No site history available

Cleanup Program Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)

Action Type: Response Requested - Other
Action Date: 10/3/1995
Received Issue Date: 10/3/1995
Action: Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SLT2O142148&doc_id=5817087
Title Description Comments:

Correspondence-Roadway Express Inc-09.29.1995

Action Type: Response Requested - Other
Action Date: 8/30/1995
Received Issue Date: 8/30/1995
Action: Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SLT2O142148&doc_id=5817088
Title Description Comments:

Correspondence-Vacant Land-08.02.1995

Action Type: Response Requested - Other
Action Date: 8/7/1995
Received Issue Date: 8/7/1995
Action: Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SLT2O142148&doc_id=5817092
Title Description Comments:

Revised-Vacant Land-08.04.1995

Action Type: Response Requested - Other
Action Date: 7/18/1995
Received Issue Date: 7/18/1995
Action: Other Report / Document
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SLT2O142148&doc_id=5817089
Title Description Comments:

Fax from-Cheryl Madden Environmental Services-07.18.1995

Action Type: Response Requested - Other
Action Date: 5/18/1995
Received Issue Date: 5/18/1995
Action: Other Report / Document
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SLT2O142148&doc_id=5817083
Title Description Comments:

APPENDIX C-Analytical Reports And Chain of Custody Documentation

Action Type: Response Requested - Other
Action Date: 5/5/1995
Received Issue Date: 5/5/1995
Action: Other Report / Document
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SLT2O142148&doc_id=5817091
Title Description Comments:

Historical Background

Action Type: Response Requested - Other
Action Date: 4/29/1995
Received Issue Date: 4/29/1995
Action: Other Report / Document
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SLT2O142148&doc_id=5817082
Title Description Comments:

Alameda Co-Map

Cleanup Program Sites from GeoTracker Search - Documents(as of Jan 18, 2019)

Document Type: Site Documents **Submitted:**
Document Date: 10/3/1995 **Submitted By:** KIMBERLY YEE (REGULATOR)
Size :
Title: CORRESPONDENCE-ROADWAY EXPRESS INC-09.29.1995
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SLT2O142148&document_id=5817087
Type: CORRESPONDENCE

Document Type: Site Documents **Submitted:**
Document Date: 8/30/1995 **Submitted By:** KIMBERLY YEE (REGULATOR)
Size :
Title: CORRESPONDENCE-VACANT LAND-08.02.1995
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SLT2O142148&document_id=5817088
Type: CORRESPONDENCE

Document Type: Site Documents **Submitted:**
Document Date: 8/7/1995 **Submitted By:** KIMBERLY YEE (REGULATOR)
Size :
Title: REVISED-VACANT LAND-08.04.1995
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SLT2O142148&document_id=5817092
Type: CORRESPONDENCE

Document Type: Site Documents **Submitted:**
Document Date: 7/18/1995 **Submitted By:** KIMBERLY YEE (REGULATOR)
Size :
Title: FAX FROM-CHERYL MADDEN ENVIRONMENTAL SERVICES-07.18.1995
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SLT2O142148&document_id=5817089
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**
Document Date: 5/18/1995 **Submitted By:** KIMBERLY YEE (REGULATOR)
Size :
Title: APPENDIX C-ANALYTICAL REPORTS AND CHAIN OF CUSTODY DOCUMENTATION
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SLT2O142148&document_id=5817083
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**
Document Date: 5/5/1995 **Submitted By:** KIMBERLY YEE (REGULATOR)
Size :
Title: HISTORICAL BACKGROUND
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SLT2O142148&document_id=5817091
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**
Document Date: 4/29/1995 **Submitted By:** KIMBERLY YEE (REGULATOR)
Size :
Title: ALAMEDA CO-MAP
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SLT2O142148&document_id=5817082
Type: OTHER REPORT / DOCUMENT

Cleanup Program Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)

Status: Completed - Case Closed
Date : 2/20/2015

Status: Open - Inactive

Date : 6/3/2009

Status: Open - Site Assessment
Date : 3/8/2001

Status: Open - Case Begin Date
Date : 3/8/2001

Status: Completed - Case Closed
Date : 9/29/1995

25	1 of 2	WNW	0.19 / 1,015.95	29.82 / -8	LUCASEY REDEVELOPMENT 2744 EAST 11TH STREET OAKLAND CA 94601	DELISTED LST

Delisted Leaking Storage Tanks

Global ID: T10000007913
Case Type: LUST Cleanup Site
Status: Open - Site Assessment
Status Date: 2015-10-29 00:00:00
RB Case No:
Loc Case No: RO0003183
Case Worker: DR
Local Agency: ALAMEDA COUNTY LOP
Lead Agency: ALAMEDA COUNTY LOP
File Location: All Files are on GeoTracker or in the Local Agency Database
Cal Water Watershed Name:
DWR Groundwater Sub Basin:
Proposed UST Closure:
Orig Address:
Original Source: LUST
Record Date: 06-JUN-2016
Contam of Concern:

Begin Date: 2006-12-16 00:00:00
How Discovered:
Stop Method:
County: Alameda
Latitude: 37.77833
Longitude: -122.23313
Site Name:

Other Chlorinated Hydrocarbons, Tetrachloroethylene (PCE), Trichloroethylene (TCE), Heating Oil / Fuel Oil, Total Petroleum Hydrocarbons (TPH)

How Discover Desc:

Stop Description:

Potential Media Affected:

Other Groundwater (uses other than drinking water), Soil, Soil Vapor

---

25	2 of 2	WNW	0.19 / 1,015.95	29.82 / -8	LUCASEY REDEVELOPMENT 2744 EAST 11TH STREET OAKLAND CA 94601	CLEANUP SITES

Global ID: T10000007913
Status: OPEN - ASSESSMENT & INTERIM REMEDIAL ACTION
Status Date: 2016-06-30 00:00:00
Site Code:
Data Source: Cleanup Program Sites from GeoTracker Search; Cleanup Sites from GeoTracker Cleanup Sites Data Download

Site Facility Type: CLEANUP PROGRAM SITE
County: ALAMEDA
Latitude: 37.77833
Longitude: -122.23313

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case Number:
Local Case Number: RO0003183
Begin Date: 2006-12-16 00:00:00
Stop Method:
Lead Agency: ALAMEDA COUNTY LOP

CUF Case: NO
Case Worker: DR
File Location: All Files are on GeoTracker or in the Local Agency Database

Local Agency: ALAMEDA COUNTY LOP
Potential COC: Other Chlorinated Hydrocarbons, Tetrachloroethylene (PCE), Trichloroethylene (TCE), Heating Oil / Fuel Oil, Total Petroleum Hydrocarbons (TPH)
Potential Media of Concern: Other Groundwater (uses other than drinking water), Soil, Soil Vapor
How Discovered: Site Assessment/Site Investigation
How Discovered Description:
Stop Description:
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
DWR GW Subbasin Name: Santa Clara Valley - East Bay Plain (2-009.04)
Disadvantaged Community: Severely Disadvantaged Community
Site History:

Former fuel leak case RO0002902 was closed with site management requirements limiting future land use to the current commercial use.. Future redevelopment plans for the site include both commercial and residential land use. Further investigation of current conditions and evaluation of development plans will be required to determine whether the proposed change in land use is appropriate.

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Acitivity

Action Type: RESPONSE
Date : 2017-06-20 00:00:00
Action: Soil and Water Investigation Report

Action Type: ENFORCEMENT
Date : 2017-03-07 00:00:00
Action: Staff Letter - #20170307

Action Type: ENFORCEMENT
Date : 2017-03-07 00:00:00
Action: Email Correspondence - #20170307

Action Type: ENFORCEMENT
Date : 2016-12-16 00:00:00
Action: Meeting - #20161216

Action Type: ENFORCEMENT
Date : 2016-11-02 00:00:00
Action: Email Correspondence - #20161102

Action Type: ENFORCEMENT
Date : 2016-09-12 00:00:00
Action: Email Correspondence - #20160912

Action Type: ENFORCEMENT
Date : 2016-09-12 00:00:00
Action: Technical Correspondence / Assistance / Other - #20160912

Action Type: ENFORCEMENT
Date : 2016-06-17 00:00:00
Action: Staff Letter - #20160617

Action Type: RESPONSE
Date : 2016-05-23 00:00:00
Action: Soil and Water Investigation Report

Action Type: RESPONSE
Date : 2016-05-23 00:00:00
Action: Soil Vapor Intrusion Investigation Workplan

Action Type: RESPONSE
Date : 2016-01-19 00:00:00
Action: Soil and Water Investigation Report

Action Type: RESPONSE
Date : 2015-12-18 00:00:00
Action: Site Assessment Report

Action Type: ENFORCEMENT

Date : 2015-12-06 00:00:00
Action: Email Correspondence - #20151206

Action Type: ENFORCEMENT
Date : 2015-11-03 00:00:00
Action: File Review - Closure - #20151103

Action Type: ENFORCEMENT
Date : 2015-11-02 00:00:00
Action: Staff Letter - #20151102

Action Type: RESPONSE
Date : 2015-10-30 00:00:00
Action: Soil Vapor Intrusion Investigation Workplan

Action Type: ENFORCEMENT
Date : 2015-10-25 00:00:00
Action: Email Correspondence - #20151025

Action Type: ENFORCEMENT
Date : 2015-10-07 00:00:00
Action: Technical Correspondence / Assistance / Other

Action Type: ENFORCEMENT
Date : 2015-08-12 00:00:00
Action: Letter - Notice

Action Type: Other
Date : 2006-12-16 00:00:00
Action: Leak Discovery

Action Type: Other
Date : 2006-12-16 00:00:00
Action: Leak Reported

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Open - Assessment & Interim Remedial Action
Status Date: 2016-06-30 00:00:00

Status: Open - Site Assessment
Status Date: 2015-10-29 00:00:00

Status: Open - Case Begin Date
Status Date: 2006-12-16 00:00:00

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Phone Number:
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Email:
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND

Contact Type: Local Agency Caseworker
Contact Name: DILAN ROE
Phone Number: 5105676767
Organization Name: ALAMEDA COUNTY LOP
Email: dilan.roe@acgov.org
Address: 1131 Harbor Bay Parkway
City: ALAMEDA

Cleanup Program Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)

Project Status:
CUF Claim:
CUF Priority Assign:
WDR Place Type:
WDR File:
WDR Order:

CUF Amount Paid:
File Location: ALL FILES ARE ON GEOTRACKER OR IN THE LOCAL AGENCY DATABASE

User Defined Beneficial Use:
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: http://geotracker.waterboards.ca.gov/profile_report?global_id=T10000007913
Cleanup Status Detail: OPEN - ASSESSMENT & INTERIM REMEDIAL ACTION AS OF 6/30/2016
Cleanup History Link: http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T10000007913&tabname=regulatoryhistory
Potential COC: HEATING OIL / FUEL OIL, OTHER CHLORINATED HYDROCARBONS, TETRACHLOROETHYLENE (PCE), TOTAL PETROLEUM HYDROCARBONS (TPH), TRICHLOROETHYLENE (TCE)
Potential Media Of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER), SOIL, SOIL VAPOR
DWR GW Sub Basin: Santa Clara Valley - East Bay Plain (2-009.04)
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: ALAMEDA COUNTY LOP (LEAD) - CASE #: RO0003183
CASEWORKER: TAMAMI FRENCH
CASEWORKER: DILAN ROE
SAN FRANCISCO BAY RWQCB (REGION 2)
CASEWORKER: Regional Water Board
Site History:

Former fuel leak case RO0002902 was closed with site management requirements limiting future land use to the current commercial use.. Future redevelopment plans for the site include both commercial and residential land use. Further investigation of current conditions and evaluation of development plans will be required to determine whether the proposed change in land use is appropriate.

Cleanup Program Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)

Action Type: Response Requested - Reports
Action Date: 6/20/2017
Received Issue Date: 6/20/2017
Action: Soil and Water Investigation Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000007913&doc_id=5965165
Title Description Comments:

Report on Confirmation Soil Vapor Sampling

Action Type: Other Regulatory Actions
Action Date: 3/7/2017
Received Issue Date: 3/7/2017
Action: Staff Letter - #20170307
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007913&enforcement_id=6313650&temptable=ENFORCEMENT
Title Description Comments:

DIR_L_2017-03-07

Action Type: Other Regulatory Actions
Action Date: 3/7/2017
Received Issue Date: 3/7/2017
Action: Email Correspondence - #20170307
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007913&enforcement_id=6313679&temptable=ENFORCEMENT
Title Description Comments:

CORRES_L_2017-03-07

Action Type: Other Regulatory Actions
Action Date: 12/16/2016
Received Issue Date: 12/16/2016
Action: Meeting - #20161216
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007913&enforcement_id=6308776&temptable=ENFORCEMENT
Title Description Comments:

Meeting Sign-In

Action Type: Other Regulatory Actions
Action Date: 11/2/2016
Received Issue Date: 11/2/2016
Action: Email Correspondence - #20161102
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007913&enforcement_id=6302554&temptable=ENFORCEMENT
Title Description Comments:

CORRES_L_2016-11-02

Action Type: Other Regulatory Actions
Action Date: 9/12/2016
Received Issue Date: 9/12/2016
Action: Technical Correspondence / Assistance / Other - #20160912
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007913&enforcement_id=6301006&temptable=ENFORCEMENT
Title Description Comments:

Status of Project Approval

Action Type: Other Regulatory Actions
Action Date: 9/12/2016
Received Issue Date: 9/12/2016
Action: Email Correspondence - #20160912
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007913&enforcement_id=6302553&temptable=ENFORCEMENT
Title Description Comments:

CORRES_L_2016-09-12

Action Type: Other Regulatory Actions
Action Date: 6/17/2016
Received Issue Date: 6/17/2016
Action: Staff Letter - #20160617
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007913&enforcement_id=6288224&temptable=ENFORCEMENT
Title Description Comments:

Request for Funds

Action Type: Response Requested - Workplans
Action Date: 5/23/2016
Received Issue Date: 5/23/2016
Action: Soil Vapor Intrusion Investigation Workplan
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000007913&doc_id=5965153
Title Description Comments:

Work Plan for Additional Soil Vapor and Sewer Gas Investigation

Action Type: Response Requested - Reports
Action Date: 5/23/2016
Received Issue Date: 5/23/2016
Action: Soil and Water Investigation Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000007913&doc_id=5965161
Title Description Comments:

Report on Soil Vapor and Sewer Gas Investigation

Action Type: Response Requested - Reports
Action Date: 1/19/2016
Received Issue Date: 1/19/2016
Action: Soil and Water Investigation Report

Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000007913&doc_id=5965169
Title Description Comments:

Report on Soil Vapor Investigation

Action Type: Response Requested - Reports
Action Date: 12/18/2015
Received Issue Date:
Action: Site Assessment Report
Doc Link:
Title Description Comments:

Site Assessment Report

Action Type: Other Regulatory Actions
Action Date: 12/6/2015
Received Issue Date: 12/6/2015
Action: Email Correspondence - #20151206
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007913&enforcement_id=6358772&temptable=ENFORCEMENT
Title Description Comments:

CORRES_2015-12-06

Action Type: Other Regulatory Actions
Action Date: 11/3/2015
Received Issue Date: 11/3/2015
Action: File Review - Closure - #20151103
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007913&enforcement_id=6358758&temptable=ENFORCEMENT
Title Description Comments:

CORRES_2015-11-03

Action Type: Other Regulatory Actions
Action Date: 11/2/2015
Received Issue Date: 11/2/2015
Action: Staff Letter - #20151102
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007913&enforcement_id=6266240&temptable=ENFORCEMENT
Title Description Comments:

DIR_L_2015-11-02

Action Type: Response Requested - Workplans
Action Date: 10/30/2015
Received Issue Date: 10/30/2015
Action: Soil Vapor Intrusion Investigation Workplan
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000007913&doc_id=5965176
Title Description Comments:

Work Plan, Soil Vapor Investigation

Action Type: Other Regulatory Actions
Action Date: 10/25/2015
Received Issue Date: 10/25/2015
Action: Email Correspondence - #20151025
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007913&enforcement_id=6358730&temptable=ENFORCEMENT
Title Description Comments:

CORRES_2015-10-25

Action Type: Other Regulatory Actions

Action Date: 10/7/2015
Received Issue Date: 10/7/2015
Action: Technical Correspondence / Assistance / Other
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007913&enforcement_id=6266247&temptable=ENFORCEMENT
Title Description Comments:

Voluntary Remedial Action Agreement

Action Type: Notices
Action Date: 8/12/2015
Received Issue Date: 8/12/2015
Action: Letter - Notice
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007913&enforcement_id=6266263&temptable=ENFORCEMENT
Title Description Comments:

Notification to State Agencies

Action Type: Leak Action
Action Date: 12/16/2006
Received Issue Date:
Action: Leak Reported
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 12/16/2006
Received Issue Date:
Action: Leak Discovery
Doc Link:
Title Description Comments:

Cleanup Program Sites from GeoTracker Search - Documents(as of Jan 18, 2019)

Document Type: Site Documents **Submitted:**
Document Date: 6/20/2017 **Submitted By:** PETER MCINTYRE (AUTH_RP)
Size : 15,263 KB
Title: REPORT ON CONFIRMATION SOIL VAPOR SAMPLING
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5008790969/T10000007913.PDF
Type: REQUEST FOR CLOSURE

Document Type: Site Documents **Submitted:**
Document Date: 6/20/2017 **Submitted By:** TAMAMI FRENCH (REGULATOR)
Size :
Title: REPORT ON CONFIRMATION SOIL VAPOR SAMPLING
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007913&document_id=5965165
Type: SOIL AND WATER INVESTIGATION REPORT

Document Type: Site Documents **Submitted:**
Document Date: 3/7/2017 **Submitted By:** KIT SOO (REGULATOR)
Size :
Title: CORRES_L_2017-03-07
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007913&enforcement_id=6313679
Type: EMAIL CORRESPONDENCE

Document Type: Site Documents **Submitted:**
Document Date: 3/7/2017 **Submitted By:** KIT SOO (REGULATOR)
Size :
Title: DIR_L_2017-03-07
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007913&enforcement_id=6313650
Type: STAFF LETTER

Document Type: Site Documents **Submitted:**
Document Date: 12/16/2016 **Submitted By:** KIT SOO (REGULATOR)

Size :
Title: MEETING SIGN-IN
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007913&enforcement_id=6308776
Type: MEETING

Document Type: Site Documents **Submitted:**
Document Date: 11/2/2016 **Submitted By:** KIT SOO (REGULATOR)
Size :
Title: CORRES_L_2016-11-02
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007913&enforcement_id=6302554
Type: EMAIL CORRESPONDENCE

Document Type: Site Documents **Submitted:**
Document Date: 9/12/2016 **Submitted By:** KIT SOO (REGULATOR)
Size :
Title: STATUS OF PROJECT APPROVAL
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007913&enforcement_id=6301006
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER

Document Type: Site Documents **Submitted:**
Document Date: 9/12/2016 **Submitted By:** KIT SOO (REGULATOR)
Size :
Title: CORRES_L_2016-09-12
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007913&enforcement_id=6302553
Type: EMAIL CORRESPONDENCE

Document Type: Site Documents **Submitted:**
Document Date: 7/26/2016 **Submitted By:** PETER MCINTYRE (AUTH_RP)
Size : 5,121 KB
Title: PRELIMINARY MITIGATION PLAN
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1359796345/T10000007913.PDF
Type: PROPOSED PLAN

Document Type: Site Documents **Submitted:**
Document Date: 6/17/2016 **Submitted By:** DILAN ROE (REGULATOR)
Size :
Title: REQUEST FOR FUNDS
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007913&enforcement_id=6288224
Type: STAFF LETTER

Document Type: Site Documents **Submitted:**
Document Date: 5/23/2016 **Submitted By:** TAMAMI FRENCH (REGULATOR)
Size :
Title: WORK PLAN FOR ADDITIONAL SOIL VAPOR AND SEWER GAS INVESTIGATION
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007913&document_id=5965153
Type: SOIL VAPOR INTRUSION INVESTIGATION WORKPLAN

Document Type: Site Documents **Submitted:**
Document Date: 5/23/2016 **Submitted By:** TAMAMI FRENCH (REGULATOR)
Size :
Title: REPORT ON SOIL VAPOR AND SEWER GAS INVESTIGATION
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007913&document_id=5965161
Type: SOIL AND WATER INVESTIGATION REPORT

Document Type: Site Documents **Submitted:**
Document Date: 1/19/2016 **Submitted By:** TAMAMI FRENCH (REGULATOR)
Size :
Title: REPORT ON SOIL VAPOR INVESTIGATION
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007913&document_id=5965169
Type: SOIL AND WATER INVESTIGATION REPORT

Document Type: Site Documents **Submitted:**
Document Date: 12/6/2015 **Submitted By:** TAMAMI FRENCH (REGULATOR)
Size :
Title: CORRES_2015-12-06
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007913&enforcement_id=6358772
Type: EMAIL CORRESPONDENCE

Document Type: Site Documents **Submitted:**

Document Date: 11/3/2015 **Submitted By:** TAMAMI FRENCH (REGULATOR)
Size :
Title: CORRES_2015-11-03
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007913&enforcement_id=6358758
Type: FILE REVIEW - CLOSURE

Document Type: Site Documents **Submitted:**
Document Date: 11/2/2015 **Submitted By:** JERRY WICKHAM (REGULATOR)
Size :
Title: DIR_L_2015-11-02
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007913&enforcement_id=6266240
Type: STAFF LETTER

Document Type: Site Documents **Submitted:**
Document Date: 10/30/2015 **Submitted By:** TAMAMI FRENCH (REGULATOR)
Size :
Title: WORK PLAN, SOIL VAPOR INVESTIGATION
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007913&document_id=5965176
Type: SOIL VAPOR INTRUSION INVESTIGATION WORKPLAN

Document Type: Site Documents **Submitted:**
Document Date: 10/25/2015 **Submitted By:** TAMAMI FRENCH (REGULATOR)
Size :
Title: CORRES_2015-10-25
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007913&enforcement_id=6358730
Type: EMAIL CORRESPONDENCE

Document Type: Site Documents **Submitted:**
Document Date: 10/7/2015 **Submitted By:** JERRY WICKHAM (REGULATOR)
Size :
Title: VOLUNTARY REMEDIAL ACTION AGREEMENT
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007913&enforcement_id=6266247
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER

Document Type: Site Documents **Submitted:**
Document Date: 8/12/2015 **Submitted By:** JERRY WICKHAM (REGULATOR)
Size :
Title: NOTIFICATION TO STATE AGENCIES
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000007913&enforcement_id=6266263
Type: LETTER - NOTICE

Cleanup Program Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)

Status: Open - Assessment & Interim Remedial Action
Date : 6/30/2016

Status: Open - Site Assessment
Date : 10/29/2015

Status: Open - Case Begin Date
Date : 12/16/2006

Cleanup Program Sites from GeoTracker Search - Related Cases(as of Jan 18, 2019)

Identifier: T0600133151 **Address:** 2744 11TH
Status: COMPLETED - CASE CLOSED **City:** OAKLAND
Association: Related Global ID
Description: RO0002902
Project Name: LUCASEY MANUFACTURING
Project Link: http://geotracker.waterboards.ca.gov/profile_report?global_id=T0600133151

26	1 of 3	ENE	0.20 / 1,046.91	47.29 / 9	PRO SPEED AUTO BODY 1410 31ST AVENUE OAKLAND CA 94601	EMISSIONS

2011 Criteria Data

Facility ID:	21544	***CERR Code:***	
Facility SIC Code:	7532	***TOGT:***	.086
CO:	1	***ROGT:***	.0752218
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

2011 Toxic Data

Facility ID:	21544	***COID:***	ALA
Facility SIC Code:	7532	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2012 Criteria Data

Facility ID:	21544	***CERR Code:***	
Facility SIC Code:	7532	***TOGT:***	.086
CO:	1	***ROGT:***	.0752218
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

2012 Toxic Data

Facility ID:	21544	***COID:***	ALA
Facility SIC Code:	7532	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2013 Criteria Data

Facility ID:	21544	***CERR Code:***	
Facility SIC Code:	7532	***TOGT:***	.086
CO:	1	***ROGT:***	.0752218
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

2013 Toxic Data

Facility ID:	21544	***COID:***	ALA
Facility SIC Code:	7532	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
CERR Code:

2014 Criteria Data

Facility ID: 21544
Facility SIC Code: 7532
CO: 1
Air Basin: SF
District: BA
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:
TOGT: .086240941
ROGT:
COT:
NOXT:
SOXT:
PMT:
PM10T:

2014 Toxic Data

Facility ID: 21544
Facility SIC Code: 7532
CO: 1
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

2015 Criteria Data

Facility ID: 21544
Facility SIC Code: 7532
CO: 1
Air Basin: SF
District: BA
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:
TOGT: .08624094
ROGT: .08433123
COT:
NOXT:
SOXT:
PMT:
PM10T:

2015 Toxic Data

Facility ID: 21544
Facility SIC Code: 7532
CO: 1
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

26	2 of 3	ENE	0.20 / 1,046.91	47.29 / 9	MELROSE FORD 1410 31ST AVENUE OAKLAND CA 94601	EMISSIONS

1990 Criteria Data

Facility ID: 6344
Facility SIC Code: 7532
CERR Code:
TOGT: .6

CO:	1	***ROGT:***	.5336
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

1990 Toxic Data

Facility ID:	6344	***COID:***	ALA
Facility SIC Code:	7532	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1993 Criteria Data

Facility ID:	6344	***CERR Code:***	
Facility SIC Code:	7532	***TOGT:***	1.2
CO:	1	***ROGT:***	.9936
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

1993 Toxic Data

Facility ID:	6344	***COID:***	ALA
Facility SIC Code:	7532	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1995 Criteria Data

Facility ID:	6344	***CERR Code:***	
Facility SIC Code:	7532	***TOGT:***	1.2
CO:	1	***ROGT:***	.9936
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

1995 Toxic Data

Facility ID:	6344	***COID:***	ALA
Facility SIC Code:	7532	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			

Non-Cancer Acute Haz Ind:

1996 Criteria Data

Facility ID:	6344	***CERR Code:***	
Facility SIC Code:	7532	***TOGT:***	1.2
CO:	1	***ROGT:***	.9936
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

1996 Toxic Data

Facility ID:	6344	***COID:***	ALA
Facility SIC Code:	7532	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1997 Criteria Data

Facility ID:	6344	***CERR Code:***	
Facility SIC Code:	7532	***TOGT:***	1.5
CO:	1	***ROGT:***	1.2536
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

1997 Toxic Data

Facility ID:	6344	***COID:***	ALA
Facility SIC Code:	7532	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1998 Criteria Data

Facility ID:	6344	***CERR Code:***	
Facility SIC Code:	7532	***TOGT:***	.8
CO:	1	***ROGT:***	.6936
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

1998 Toxic Data

Facility ID:	6344	***COID:***	ALA

Facility SIC Code:	7532	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1999 Criteria Data

Facility ID:	6344	***CERR Code:***	
Facility SIC Code:	7532	***TOGT:***	.757
CO:	1	***ROGT:***	.6113108
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

1999 Toxic Data

Facility ID:	6344	***COID:***	ALA
Facility SIC Code:	7532	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2000 Criteria Data

Facility ID:	6344	***CERR Code:***	
Facility SIC Code:	7532	***TOGT:***	.757
CO:	1	***ROGT:***	.61
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

2000 Toxic Data

Facility ID:	6344	***COID:***	ALA
Facility SIC Code:	7532	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2001 Criteria Data

Facility ID:	6344	***CERR Code:***	
Facility SIC Code:	7532	***TOGT:***	.76
CO:	1	***ROGT:***	.61
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	

DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

2001 Toxic Data

Facility ID:	6344	***COID:***	ALA
Facility SIC Code:	7532	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2002 Criteria Data

Facility ID:	6344	***CERR Code:***	
Facility SIC Code:	7532	***TOGT:***	.793
CO:	1	***ROGT:***	.641803
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

2002 Toxic Data

Facility ID:	6344	***COID:***	ALA
Facility SIC Code:	7532	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2003 Criteria Data

Facility ID:	6344	***CERR Code:***	
Facility SIC Code:	7532	***TOGT:***	.779
CO:	1	***ROGT:***	.63
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

2003 Toxic Data

Facility ID:	6344	***COID:***	ALA
Facility SIC Code:	7532	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2004 Criteria Data

Facility ID:	6344	**CERR Code:**	
Facility SIC Code:	7532	**TOGT:**	.779
CO:	1	**ROGT:**	.628059
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

2004 Toxic Data

Facility ID:	6344	**COID:**	ALA
Facility SIC Code:	7532	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2005 Criteria Data

Facility ID:	6344	**CERR Code:**	
Facility SIC Code:	7532	**TOGT:**	.779
CO:	1	**ROGT:**	.628059
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

2005 Toxic Data

Facility ID:	6344	**COID:**	ALA
Facility SIC Code:	7532	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2006 Criteria Data

Facility ID:	6344	**CERR Code:**	
Facility SIC Code:	7532	**TOGT:**	.779
CO:	1	**ROGT:**	.628059
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

2006 Toxic Data

Facility ID:	6344	**COID:**	ALA
Facility SIC Code:	7532	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		

TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2007 Criteria Data

Facility ID:	6344	***CERR Code:***	
Facility SIC Code:	7532	***TOGT:***	.782
CO:	1	***ROGT:***	.631187
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

2007 Toxic Data

Facility ID:	6344	***COID:***	ALA
Facility SIC Code:	7532	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		

TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2008 Criteria Data

Facility ID:	6344	***CERR Code:***	
Facility SIC Code:	7532	***TOGT:***	.782
CO:	1	***ROGT:***	.631187
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

2008 Toxic Data

Facility ID:	6344	***COID:***	ALA
Facility SIC Code:	7532	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		

TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2009 Criteria Data

Facility ID:	6344	***CERR Code:***	
Facility SIC Code:	7532	***TOGT:***	.782
CO:	1	***ROGT:***	.631187
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

2009 Toxic Data

Facility ID:	6344	***COID:***	ALA
Facility SIC Code:	7532	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2010 Toxic Data

Facility ID:	6344	***COID:***	ALA
Facility SIC Code:	7532	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

26	***3 of 3***	***ENE***	***0.20 / 1,046.91***	***47.29 / 9***	***OAKLAND PRO SPEED AUTO BODY 1410 31ST AVE OAKLAND CA 94601***	***RCRA NON GEN***

EPA Handler ID:	CAL000401064
Gen Status Universe:	No Report
Contact Name:	DOT CHOI
Contact Address:	1410 31ST AVE , , OAKLAND , CA, 94601 ,
Contact Phone No and Ext:	510-261-2288
Contact Email:	INFO@PROSPEEDAUTOBODY.COM
Contact Country:	
County Name:	ALAMEDA
EPA Region:	09
Land Type:	
Receive Date:	20141003

Violation/Evaluation Summary

Note: NO RECORDS: As of Mar 2019, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	Yes
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20141003
Handler Name:	OAKLAND PRO SPEED AUTO BODY
Generator Status Universe:	No Report
Source Type:	Implementer

Owner/Operator Details

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	1410 31ST AVE
Name:	DOT CHOI	***Street 2:***	
Date Became Current:		***City:***	OAKLAND
Date Ended Current:		***State:***	CA
Phone:	510-261-2288	***Country:***	
Source Type:	Implementer	***Zip Code:***	94601

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	555 BRYANT ST
Name:	DOT CHOI	***Street 2:***	
Date Became Current:		***City:***	SAN FRANCISCO
Date Ended Current:		***State:***	CA
Phone:	415-495-8999	***Country:***	
Source Type:	Implementer	***Zip Code:***	94107

27	***1 of 1***	***W***	***0.21 / 1,091.70***	***26.24 / -12***	***ROADWAY EXPRESS 2806 E 10TH ST OAKLAND CA 94621***	***RCRA NON GEN***

EPA Handler ID:	CAD983650995
Gen Status Universe:	No Report
Contact Name:	JAMIE HAINES
Contact Address:	10990 ROE AVE , , OVERLAND PARK , KS, 66211 , US
Contact Phone No and Ext:	913-522-5205
Contact Email:	JAMIE.HAINES@YRCFREIGHT.COM
Contact Country:	US
County Name:	ALAMEDA
EPA Region:	09
Land Type:	Private
Receive Date:	20130102

Violation/Evaluation Summary

Note: NO RECORDS: As of Mar 2019, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No

Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20130102
Handler Name: ROADWAY EXPRESS
Generator Status Universe: No Report
Source Type: Notification

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19960901
Handler Name: ROADWAY EXPRESS
Generator Status Universe: No Report
Source Type: Implementer

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19921028
Handler Name: ROADWAY EXPRESS
Generator Status Universe: No Report
Source Type: Notification

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D008
Waste Code Description: LEAD

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Private
Name: ROADWAY EXPRESS
Date Became Current:
Date Ended Current:
Phone: 216-384-1717
Source Type: Implementer
Street No:
Street 1: 1077 GORGE BLVD
Street 2:
City: AKRON
State: OH
Country:
Zip Code: 44309

Owner/Operator Ind: Current Owner
Type: Private
Name: ROADWAY EXPRESS
Date Became Current:
Date Ended Current:
Phone: 216-384-1717
Source Type: Notification
Street No:
Street 1: 1077 GORGE BLVD
Street 2:
City: AKRON
State: OH
Country:
Zip Code: 44309

Owner/Operator Ind: Current Owner
Type: Private
Name: ROADWAY EXPRESS
Date Became Current:
Date Ended Current:
Phone: 216-384-1717
Source Type: Notification
Street No:
Street 1: 1077 GORGE BLVD
Street 2:
City: AKRON
State: OH
Country: US
Zip Code: 44309

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
28	1 of 1	SE	0.21 / 1,124.72	35.59 / -2	ESPINOZA'S TIRE & BODY SHOP 1001 FRUITVALE AVE OAKLAND CA 94601	EMISSIONS

1995 Criteria Data

Facility ID:	9677	**CERR Code:**	
Facility SIC Code:	7532	**TOGT:**	.5
CO:	1	**ROGT:**	.4168
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

1995 Toxic Data

Facility ID:	9677	**COID:**	ALA
Facility SIC Code:	7532	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1996 Criteria Data

Facility ID:	9677	**CERR Code:**	
Facility SIC Code:	7532	**TOGT:**	.5
CO:	1	**ROGT:**	.4168
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

1996 Toxic Data

Facility ID:	9677	**COID:**	ALA
Facility SIC Code:	7532	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1997 Criteria Data

Facility ID:	9677	**CERR Code:**	
Facility SIC Code:	7532	**TOGT:**	.5
CO:	1	**ROGT:**	.4168
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

1997 Toxic Data

Facility ID:	9677	***COID:***	ALA
Facility SIC Code:	7532	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1998 Criteria Data

Facility ID:	9677	***CERR Code:***	
Facility SIC Code:	7532	***TOGT:***	.5
CO:	1	***ROGT:***	.4168
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

1998 Toxic Data

Facility ID:	9677	***COID:***	ALA
Facility SIC Code:	7532	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

29	*1 of 1*	*NNE*	*0.21 / 1,127.76*	*50.80 / 13*	*MIKE HEENEY* *1510 29TH AVE* *OAKLAND CA 94601*	*RCRA NON GEN*

EPA Handler ID:	CAC002999737
Gen Status Universe:	No Report
Contact Name:	MIKE HEENEY
Contact Address:	1510 29TH AVE , , OAKLAND , CA, 94601 ,
Contact Phone No and Ext:	510-520-0868
Contact Email:	ELIZABETH.GARCIA@SYNERGYCOMPANIES.ORG
Contact Country:	
County Name:	ALAMEDA
EPA Region:	09
Land Type:	
Receive Date:	20190205

Violation/Evaluation Summary

Note: NO RECORDS: As of Mar 2019, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No

Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20190205
Handler Name:	MIKE HEENEY
Generator Status Universe:	No Report
Source Type:	Implementer

Owner/Operator Details

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	1510 29TH AVE
Name:	MIKE HEENEY	**Street 2:**	
Date Became Current:		**City:**	OAKLAND
Date Ended Current:		**State:**	CA
Phone:	510-520-0868	**Country:**	
Source Type:	Implementer	**Zip Code:**	94601

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	1510 29TH AVE
Name:	MIKE HEENEY	**Street 2:**	
Date Became Current:		**City:**	OAKLAND
Date Ended Current:		**State:**	CA
Phone:	510-520-0868	**Country:**	
Source Type:	Implementer	**Zip Code:**	94601

30	*1 of 3*	*WNW*	*0.21 / 1,135.04*	*27.55 / -10*	***LUCASEY MANUFACTURING 2744 E 11TH ST OAKLAND CA 94601***	***ALAMEDA LOP***

Record ID:	RO0002902
Alt Record ID:	SD0002893
Program:	SLIC
Release Type:	XMTUST
Site Contact:	WICKHAM, JERRY
RP Identification Date:	1/31/2006 12:00:00 AM
GIS Latitude:	37.7784017384
GIS Longitude:	-122.2335844242
Data Source:	Local Oversight Program Detailed Inventory; Local Oversight Program Inventory

--Details--

Program Element:	5502
Status:	3B,5C,9
Status Desc:	Preliminary site assessment underway,Pollution characterization,Case closed
Substance:	8006619
Org Name:	ALAMEDA COUNTY LOP
Description 1:	Pollution Characterization
Description 2:	Not Applicable
Description 3:	Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4:	RP Identified & Solvent
Description 5:	Other Groundwater affected (uses other than drinking water)
Description 6:	Substance released from a Exempt Underground Storage Tank System

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Program Element: 5502
Status: 3B,5C,9
Status Desc: Preliminary site assessment underway,Pollution characterization,Case closed
Substance: 8006619
Org Name: ALAMEDA COUNTY LOP
Description 1: Case Closed
Description 2: Not Applicable
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from a Exempt Underground Storage Tank System

Program Element: 5502
Status: 3B,5C,9
Status Desc: Preliminary site assessment underway,Pollution characterization,Case closed
Substance: 8006619
Org Name: ALAMEDA COUNTY LOP
Description 1: Preliminary Site Assessment Underway
Description 2: Not Applicable
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from a Exempt Underground Storage Tank System

Program Element: 5502
Status: 3B,5C,9
Status Desc: Preliminary site assessment underway,Pollution characterization,Case closed
Substance: 8006619
Org Name: LUCASEY MANUFACTURING
Description 1: Pollution Characterization
Description 2: Property/Fee Title Owner
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from a Exempt Underground Storage Tank System

Program Element: 5502
Status: 3B,5C,9
Status Desc: Preliminary site assessment underway,Pollution characterization,Case closed
Substance: 8006619
Org Name: LUCASEY MANUFACTURING
Description 1: Case Closed
Description 2: Property/Fee Title Owner
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from a Exempt Underground Storage Tank System

Program Element: 5502
Status: 3B,5C,9
Status Desc: Preliminary site assessment underway,Pollution characterization,Case closed
Substance: 8006619
Org Name: LUCASEY MANUFACTURING
Description 1: Preliminary Site Assessment Underway
Description 2: Property/Fee Title Owner
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from a Exempt Underground Storage Tank System

30	2 of 3	WNW	0.21 / 1,135.04	27.55 / -10	LUCASEY REDEVELOP 2744 E 11TH ST OAKLAND CA 94601-	ALAMEDA LOP

Record ID: RO0003183
Alt Record ID:
Program:

Release Type:
Site Contact: Soo, Kit
RP Identification Date:
GIS Latitude:
GIS Longitude:
Data Source: Local Oversight Program Inventory

--Details--
Program Element: 5502
Status: 5C
Status Desc: Pollution characterization
Substance:
Org Name:
Description 1:
Description 2:
Description 3:
Description 4:
Description 5:
Description 6:

30	3 of 3	WNW	0.21 / 1,135.04	27.55 / -10	LUCASEY MANUFACTURING CORP 2744 E 11TH ST OAKLAND CA 94601	RCRA SQG

EPA Handler ID: CAD982430894
Gen Status Universe: Small Quantity Generator
Contact Name: ENVIRONMENTAL MANAGER
Contact Address: 2744 E 11TH ST , , OAKLAND , CA, 94601 , US
Contact Phone No and Ext: 415-534-1437
Contact Email:
Contact Country: US
County Name: ALAMEDA
EPA Region: 09
Land Type: Other
Receive Date: 19900918

Violation/Evaluation Summary

Note: NO RECORDS: As of Mar 2019, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Sequence No:	1
Receive Date:	19900918
Handler Name:	LUCASEY MANUFACTURING CORP
Generator Status Universe:	Small Quantity Generator
Source Type:	Notification

Owner/Operator Details

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	NOT REQUIRED
Name:	NOT REQUIRED	**Street 2:**	
Date Became Current:		**City:**	NOT REQUIRED
Date Ended Current:		**State:**	ME
Phone:	415-555-1212	**Country:**	
Source Type:	Notification	**Zip Code:**	99999

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	NOT REQUIRED
Name:	JOE LUCASEY	**Street 2:**	
Date Became Current:		**City:**	NOT REQUIRED
Date Ended Current:		**State:**	ME
Phone:	415-555-1212	**Country:**	
Source Type:	Notification	**Zip Code:**	99999

31	1 of 1	N	0.22 / 1,148.54	42.87 / 5	PACIFIC BELL 1415 MITCHELL STREET OAKLAND CA 94601	RCRA SQG

EPA Handler ID:	CAT080018948
Gen Status Universe:	Small Quantity Generator
Contact Name:	
Contact Address:	US
Contact Phone No and Ext:	
Contact Email:	
Contact Country:	US
County Name:	ALAMEDA
EPA Region:	09
Land Type:	
Receive Date:	19960901

Violation/Evaluation Summary

Note: NO RECORDS: As of Mar 2019, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19960901
Handler Name:	PACIFIC BELL
Generator Status Universe:	Small Quantity Generator
Source Type:	Implementer

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19810116
Handler Name:	PACIFIC BELL
Generator Status Universe:	Small Quantity Generator
Source Type:	Notification

Owner/Operator Details

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Private	***Street 1:***	NOT REQUIRED
Name:	THE PACIFIC TEL & TEL COMPANY	***Street 2:***	
Date Became Current:		***City:***	NOT REQUIRED
Date Ended Current:		***State:***	ME
Phone:	415-555-1212	***Country:***	
Source Type:	Notification	***Zip Code:***	99999

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street 1:***	NOT REQUIRED
Name:	NOT REQUIRED	***Street 2:***	
Date Became Current:		***City:***	NOT REQUIRED
Date Ended Current:		***State:***	ME
Phone:	415-555-1212	***Country:***	
Source Type:	Implementer	***Zip Code:***	99999

32	*1 of 2*	*SSW*	*0.22 / 1,172.00*	*25.02 / -13*	***DEL MONTE-PLANT 37*** ***2980 E 9TH STREET*** ***OAKLAND CA 94601***	***HHSS***

County:	Alameda
Pdf File Url:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00035ef4.pdf

32	*2 of 2*	*SSW*	*0.22 / 1,172.00*	*25.02 / -13*	***DEL MONTE-PLANT #37*** ***2980 E. 9TH STREET*** ***OAKLAND CA***	***HIST TANK***

Owner Name:	DEL MONTE CORPORATION	***No of Containers:***	1
Owner Street:	1 MARKET PLAZA	***County:***	ALAMEDA
Owner City:	SAN FRANCISCO	***Facility State:***	CA
Owner State:	CA	***Facility Zip:***	94601
Owner Zip:	94119		

33	*1 of 6*	*SSW*	*0.22 / 1,187.36*	*25.45 / -12*	***SAVE MART #735*** ***3000 E 9TH STREET*** ***OAKLAND CA 94601***	***EMISSIONS***

2006 Criteria Data

Facility ID:	18337	***CERR Code:***	
Facility SIC Code:	5411	***TOGT:***	.002
CO:	1	***ROGT:***	.0001828

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Air Basin:	SF	**COT:**	.001
District:	BA	**NOXT:**	.006
COID:	ALA	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	0
CHAPIS:		**PM10T:**	0

2006 Toxic Data

Facility ID:	18337	**COID:**	ALA
Facility SIC Code:	5411	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2007 Criteria Data

Facility ID:	18337	**CERR Code:**	
Facility SIC Code:	5411	**TOGT:**	.002
CO:	1	**ROGT:**	.0001828
Air Basin:	SF	**COT:**	.001
District:	BA	**NOXT:**	.006
COID:	ALA	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	0
CHAPIS:		**PM10T:**	0

2007 Toxic Data

Facility ID:	18337	**COID:**	ALA
Facility SIC Code:	5411	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
33	2 of 6	SSW	0.22 / 1,187.36	25.45 / -12	LUCKY #735 3000 E 9TH STREET OAKLAND CA 94601	EMISSIONS

2008 Criteria Data

Facility ID:	18337	**CERR Code:**	
Facility SIC Code:	5411	**TOGT:**	.016
CO:	1	**ROGT:**	.0014624
Air Basin:	SF	**COT:**	.002
District:	BA	**NOXT:**	.019
COID:	ALA	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	0
CHAPIS:		**PM10T:**	0

2008 Toxic Data

Facility ID:	18337	**COID:**	ALA
Facility SIC Code:	5411	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	

Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2009 Criteria Data

Facility ID:	18337	***CERR Code:***	
Facility SIC Code:	5411	***TOGT:***	.016
CO:	1	***ROGT:***	.0014624
Air Basin:	SF	***COT:***	.002
District:	BA	***NOXT:***	.019
COID:	ALA	***SOXT:***	0
DISN:	BAY AREA AQMD	***PMT:***	0
CHAPIS:		***PM10T:***	0

2009 Toxic Data

Facility ID:	18337	***COID:***	ALA
Facility SIC Code:	5411	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2010 Toxic Data

Facility ID:	18337	***COID:***	ALA
Facility SIC Code:	5411	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2011 Criteria Data

Facility ID:	18337	***CERR Code:***	
Facility SIC Code:	5411	***TOGT:***	.005
CO:	1	***ROGT:***	.000457
Air Basin:	SF	***COT:***	.001
District:	BA	***NOXT:***	.006
COID:	ALA	***SOXT:***	0
DISN:	BAY AREA AQMD	***PMT:***	0
CHAPIS:		***PM10T:***	0

2011 Toxic Data

Facility ID:	18337	***COID:***	ALA
Facility SIC Code:	5411	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Non-Cancer Acute Haz Ind:

2012 Criteria Data

Facility ID:	18337	***CERR Code:***	
Facility SIC Code:	5411	***TOGT:***	.005
CO:	1	***ROGT:***	.000457
Air Basin:	SF	***COT:***	.001
District:	BA	***NOXT:***	.006
COID:	ALA	***SOXT:***	0
DISN:	BAY AREA AQMD	***PMT:***	0
CHAPIS:		***PM10T:***	0

2012 Toxic Data

Facility ID:	18337	***COID:***	ALA
Facility SIC Code:	5411	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

33	*3 of 6*	*SSW*	*0.22 / 1,187.36*	*25.45 / -12*	***ALBERTSON'S,LLC#7049*** ***3000 E 9TH STREET*** ***OAKLAND CA 94601***	***EMISSIONS***

2005 Criteria Data

Facility ID:	14393	***CERR Code:***	
Facility SIC Code:	5411	***TOGT:***	0
CO:	1	***ROGT:***	0
Air Basin:	SF	***COT:***	0
District:	BA	***NOXT:***	.001
COID:	ALA	***SOXT:***	0
DISN:	BAY AREA AQMD	***PMT:***	0
CHAPIS:		***PM10T:***	0

2005 Toxic Data

Facility ID:	14393	***COID:***	ALA
Facility SIC Code:	5411	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

33	*4 of 6*	*SSW*	*0.22 / 1,187.36*	*25.45 / -12*	***ALBERTSONS #7049*** ***3000 E 9TH STREET*** ***OAKLAND CA 94601***	***EMISSIONS***

2002 Criteria Data

Facility ID:	14393	***CERR Code:***	

Facility SIC Code:	5411	***TOGT:***	.004
CO:	1	***ROGT:***	.0003656
Air Basin:	SF	***COT:***	.026
District:	BA	***NOXT:***	.103
COID:	ALA	***SOXT:***	0
DISN:	BAY AREA AQMD	***PMT:***	.002
CHAPIS:		***PM10T:***	.001988

2002 Toxic Data

Facility ID:	14393	***COID:***	ALA
Facility SIC Code:	5411	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2003 Criteria Data

Facility ID:	14393	***CERR Code:***	
Facility SIC Code:	5411	***TOGT:***	.004
CO:	1	***ROGT:***	0
Air Basin:	SF	***COT:***	.026
District:	BA	***NOXT:***	.103
COID:	ALA	***SOXT:***	0
DISN:	BAY AREA AQMD	***PMT:***	.002
CHAPIS:		***PM10T:***	0

2003 Toxic Data

Facility ID:	14393	***COID:***	ALA
Facility SIC Code:	5411	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2004 Criteria Data

Facility ID:	14393	***CERR Code:***	
Facility SIC Code:	5411	***TOGT:***	0
CO:	1	***ROGT:***	0
Air Basin:	SF	***COT:***	0
District:	BA	***NOXT:***	.001
COID:	ALA	***SOXT:***	0
DISN:	BAY AREA AQMD	***PMT:***	0
CHAPIS:		***PM10T:***	0

2004 Toxic Data

Facility ID:	14393	***COID:***	ALA
Facility SIC Code:	5411	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Non-Cancer Chronic Haz Ind:						
Non-Cancer Acute Haz Ind:						
33	5 of 6	SSW	0.22 / 1,187.36	25.45 / -12	FOOD MAXX #484 3000 E 9TH STREET OAKLAND CA 94601	EMISSIONS

2013 Criteria Data

Facility ID:	18337	**CERR Code:**	
Facility SIC Code:	5411	**TOGT:**	.005
CO:	1	**ROGT:**	.000457
Air Basin:	SF	**COT:**	.001
District:	BA	**NOXT:**	.006
COID:	ALA	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	0
CHAPIS:		**PM10T:**	0

2013 Toxic Data

Facility ID:	18337	**COID:**	ALA
Facility SIC Code:	5411	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2014 Criteria Data

Facility ID:	18337	**CERR Code:**	
Facility SIC Code:	5411	**TOGT:**	.004682453
CO:	1	**ROGT:**	
Air Basin:	SF	**COT:**	.000728338
District:	BA	**NOXT:**	.005759342
COID:	ALA	**SOXT:**	.000000963
DISN:	BAY AREA AQMD	**PMT:**	.000016938
CHAPIS:		**PM10T:**	.000016938

2014 Toxic Data

Facility ID:	18337	**COID:**	ALA
Facility SIC Code:	5411	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2015 Criteria Data

Facility ID:	18337	**CERR Code:**	
Facility SIC Code:	5411	**TOGT:**	.00132562
CO:	1	**ROGT:**	.00067107
Air Basin:	SF	**COT:**	.000206195
District:	BA	**NOXT:**	.001630492
COID:	ALA	**SOXT:**	.000000272

DISN:	BAY AREA AQMD	***PMT:***	.000004795
CHAPIS:		***PM10T:***	.000004795

2015 Toxic Data

Facility ID:	18337	***COID:***	ALA
Facility SIC Code:	5411	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2016 Criteria Data

Facility ID:	18337	***CERR CODE:***	
Facility SIC Code:	5411	***TOGT:***	.00132562
CO:	1	***ROGT:***	.000123415222
Air Basin:	SF	***COT:***	.000206195
District:	BA	***NOXT:***	.001630492
COID:	ALA	***SOXT:***	.000000272
DISN:	BAY AREA AQMD	***PMT:***	.000004795
CHAPIS:		***PM10T:***	.000004795

2016 Toxic Data

Facility ID:	18337	***TS:***	
Facility SIC Code:	5411	***HRA:***	
CERR CODE:		***CH Index:***	
COID:	ALA	***AH Index:***	
CO:	1	***Air Basin:***	SF
DISN:	BAY AREA AQMD	***District:***	BA
CHAPIS:			

33	***6 of 6***	***SSW***	***0.22 / 1,187.36***	***25.45 / -12***	***FOOD MAX 484 3000 E 9TH ST OAKLAND CA 94601***	***RCRA LQG***

EPA Handler ID:	CAL000359886
Gen Status Universe:	Large Quantity Generator
Contact Name:	LISETTE GARCIA
Contact Address:	1800 , STANDIFORD AVENUE , , MODESTO , CA, 95350 ,
Contact Phone No and Ext:	209-548-6617
Contact Email:	LGARCIA@SAVEMART.COM
Contact Country:	
County Name:	ALAMEDA
EPA Region:	09
Land Type:	Private
Receive Date:	20151230

Violation/Evaluation Summary

Note: NO RECORDS: As of Mar 2019, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No

Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20151230
Handler Name:	FOOD MAX 484
Generator Status Universe:	Large Quantity Generator
Source Type:	Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code:	214
Waste Code Description:	Unspecified solvent mixture
Hazardous Waste Code:	311
Waste Code Description:	Pharmaceutical waste
Hazardous Waste Code:	D001
Waste Code Description:	IGNITABLE WASTE
Hazardous Waste Code:	D002
Waste Code Description:	CORROSIVE WASTE
Hazardous Waste Code:	D010
Waste Code Description:	SELENIUM
Hazardous Waste Code:	D011
Waste Code Description:	SILVER
Hazardous Waste Code:	P001
Waste Code Description:	2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%
Hazardous Waste Code:	P075
Waste Code Description:	NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

Owner/Operator Details

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street 1:***	
Name:	SAVEMART SUPERMARKETS DBA SAVEMART #94	***Street 2:***	
Date Became Current:	20111228	***City:***	
Date Ended Current:		***State:***	
Phone:		***Country:***	
Source Type:	Annual/Biennial Report update with Notification	***Zip Code:***	
Owner/Operator Ind:	Current Owner	***Street No:***	1800
Type:	Private	***Street 1:***	STANDIFORD AVENUE
Name:	SAVE MART SUPERMARKETS	***Street 2:***	
Date Became Current:	20111228	***City:***	MODESTO
Date Ended Current:		***State:***	CA
Phone:	209-548-6617	***Country:***	

Source Type: Annual/Biennial Report update with Notification **Zip Code:** 95350

34	1 of 2	SSW	0.23 / 1,196.27	25.23 / -13	ROSS DRESS FOR LESS #1997 3010 E 9TH ST OAKLAND CA 94601	RCRA NON GEN

EPA Handler ID: CAL000434703
Gen Status Universe: No Report
Contact Name: ASHLEY CAMPBELL
Contact Address: 5151 SAN FELIPE ST STE 1000 , , HOUSTON , TX, 77056 ,
Contact Phone No and Ext: 713-985-5472
Contact Email: ASHLEY.CAMPBELL@STERICYCLE.COM
Contact Country:
County Name: ALAMEDA
EPA Region: 09
Land Type:
Receive Date: 20180404

Violation/Evaluation Summary

Note: NO RECORDS: As of Mar 2019, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: Yes
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20180404
Handler Name: ROSS DRESS FOR LESS #1997
Generator Status Universe: No Report
Source Type: Implementer

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Other
Name: ROSS DRESS FOR LESS INC
Date Became Current:
Date Ended Current:
Phone: 925-965-4831
Source Type: Implementer
Street No:
Street 1: 5130 HACIENDA DR
Street 2:
City: DUBLIN
State: CA
Country:
Zip Code: 94568

Owner/Operator Ind: Current Operator
Type: Other
Name: ASHLEY CAMPBELL
Date Became Current:
Street No:
Street 1: 5151 SAN FELIPE ST STE 1000
Street 2:
City: HOUSTON

Date Ended Current:		**State:**	TX
Phone:	713-985-5472	**Country:**	
Source Type:	Implementer	**Zip Code:**	77056

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
34	2 of 2	SSW	0.23 / 1,196.27	25.23 / -13	WASTE MANAGEMENT OF ALAMEDA COUNTY 3010 EAST 9TH OAKLAND CA 94601	RCRA NON GEN

EPA Handler ID:	CAC002989236
Gen Status Universe:	No Report
Contact Name:	SHARON SIMPSON
Contact Address:	172 98TH AVENUE , , OAKLAND , CA, 94603 ,
Contact Phone No and Ext:	916-437-9032
Contact Email:	SSIMPSO4@WM.COM
Contact Country:	
County Name:	ALAMEDA
EPA Region:	09
Land Type:	
Receive Date:	20181114

Violation/Evaluation Summary

Note: NO RECORDS: As of Mar 2019, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20181114
Handler Name:	WASTE MANAGEMENT OF ALAMEDA COUNTY
Generator Status Universe:	No Report
Source Type:	Implementer

Owner/Operator Details

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	172 98TH AVENUE
Name:	WASTE MANAGEMENT OF ALAMEDA COUNTY	**Street 2:**	
Date Became Current:		**City:**	OAKLAND
Date Ended Current:		**State:**	CA
Phone:	209-300-1642	**Country:**	
Source Type:	Implementer	**Zip Code:**	94603
Owner/Operator Ind:	Current Operator	**Street No:**	

Type:	Other	**Street 1:**	172 98TH AVENUE
Name:	SHARON SIMPSON	**Street 2:**	
Date Became Current:		**City:**	OAKLAND
Date Ended Current:		**State:**	CA
Phone:	916-437-9032	**Country:**	
Source Type:	Implementer	**Zip Code:**	94603

35	1 of 1	SSW	0.23 / 1,208.07	26.16 / -12	SALLY BEAUTY SUPPLIES 3040 E 9TH ST STE B OAKLAND CA 94601	RCRA NON GEN

EPA Handler ID:	CAL000411812
Gen Status Universe:	No Report
Contact Name:	RANDY GOSS
Contact Address:	3001 COLORADO BLVD , , DENTON , TX, 76210 ,
Contact Phone No and Ext:	940-898-7500
Contact Email:	RGOSS@SALLYBEAUTY.COM
Contact Country:	
County Name:	ALAMEDA
EPA Region:	09
Land Type:	
Receive Date:	20151029

Violation/Evaluation Summary

Note: NO RECORDS: As of Mar 2019, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	Yes
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20151029
Handler Name:	SALLY BEAUTY SUPPLIES
Generator Status Universe:	No Report
Source Type:	Implementer

Owner/Operator Details

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	3001 COLORADO BLVD
Name:	SALLY BEAUTY HOLDING LLC	**Street 2:**	
Date Became Current:		**City:**	DENTON
Date Ended Current:		**State:**	TX
Phone:	940-898-7500	**Country:**	
Source Type:	Implementer	**Zip Code:**	76210

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	3001 COLORADO BLVD
Name:	RANDY GOSS	**Street 2:**	
Date Became Current:		**City:**	DENTON
Date Ended Current:		**State:**	TX
Phone:	940-898-7500	**Country:**	
Source Type:	Implementer	**Zip Code:**	76210

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
36	1 of 1	SSW	0.23 / 1,214.15	26.36 / -11	AUTOZONE #5229 3050 EAST 9TH ST OAKLAND CA 94601-0000	RCRA NON GEN

EPA Handler ID:	CAL000207157
Gen Status Universe:	No Report
Contact Name:	BRYAN BLAIR
Contact Address:	DEPT 8190, 123 SOUTH FRONT STREET , , MEMPHIS , TN, 38103 ,
Contact Phone No and Ext:	901-495-7217
Contact Email:	BRYAN.BLAIR@AUTOZONE.COM
Contact Country:	
County Name:	ALAMEDA
EPA Region:	09
Land Type:	
Receive Date:	19990428

Violation/Evaluation Summary

Note: NO RECORDS: As of Mar 2019, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	Yes
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19990428
Handler Name:	AUTOZONE #5229
Generator Status Universe:	No Report
Source Type:	Implementer

Owner/Operator Details

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	DEPT 8190, 123 SOUTH FRONT STREET
Name:	BRYAN BLAIR	**Street 2:**	
Date Became Current:		**City:**	MEMPHIS
Date Ended Current:		**State:**	TN

Phone:	901-495-7217	**Country:**	
Source Type:	Implementer	**Zip Code:**	38103
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	123 S FRONT ST
Name:	AUTO ZONE CORPORTATION	**Street 2:**	
Date Became Current:		**City:**	MEMPHIS
Date Ended Current:		**State:**	TN
Phone:	901-495-6500	**Country:**	
Source Type:	Implementer	**Zip Code:**	38103-3607

37	1 of 1	S	0.23 / 1,232.28	26.30 / -12	FAMILY OPTICAL 3060 E 9TH ST OAKLAND CA 94601	RCRA NON GEN

EPA Handler ID:	CAL000431701
Gen Status Universe:	No Report
Contact Name:	SAIDAH SHABAZZ
Contact Address:	3060 E 9TH ST , , OAKLAND , CA, 94601 ,
Contact Phone No and Ext:	510-535-5514
Contact Email:	SSHABAZZ@LACLINICA.ORG
Contact Country:	
County Name:	ALAMEDA
EPA Region:	09
Land Type:	
Receive Date:	20171023

Violation/Evaluation Summary

Note: NO RECORDS: As of Mar 2019, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	Yes
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20171023
Handler Name:	FAMILY OPTICAL
Generator Status Universe:	No Report
Source Type:	Implementer

Owner/Operator Details

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	3060 E 9TH ST
Name:	SAIDAH SHABAZZ	**Street 2:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Date Became Current:		**City:**	OAKLAND
Date Ended Current:		**State:**	CA
Phone:	510-535-5514	**Country:**	
Source Type:	Implementer	**Zip Code:**	94601
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	1450 FRUITVALE AVE
Name:	JANE GARCIA	**Street 2:**	
Date Became Current:		**City:**	OAKLAND
Date Ended Current:		**State:**	CA
Phone:	510-535-2979	**Country:**	
Source Type:	Implementer	**Zip Code:**	94601

38	1 of 2	ENE	0.24 / 1,272.45	48.48 / 11	ARCO #402 / Parking Lot 1450 Fruitvale Avenue, Oakland CA	DELISTED LST

Delisted Proposed Closure of Underground Storage Tank Cases

Claim Case No:	Case No. RO0000307
ID:	RO0000307
Deadline To Recv Comments:	2018/05/11
Prop UST Case Closure Type:	UST Case Closure Proposed For Consideration by the Executive Director
Original Source:	USTC
Record Date:	19-JUL-2018

38	2 of 2	ENE	0.24 / 1,272.45	48.48 / 11	ARCO #0402 / PARKING LOT 1450 FRUITVALE AVE Oakland CA 94601	ALAMEDA LOP

Record ID:	RO0000307
Alt Record ID:	SD0000307
Program:	LUST
Release Type:	UST
Site Contact:	DETTERMAN, KAREL
RP Identification Date:	7/7/1999 12:00:00 AM
GIS Latitude:	37.7781100575
GIS Longitude:	-122.2253846408
Data Source:	Local Oversight Program Detailed Inventory; Local Oversight Program Inventory

--Details--

Program Element:	5602
Status:	1,3B,5C,8
Status Desc:	Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway
Substance:	8006619
Org Name:	FRUITVALE FARNAM ASSOCIATES LLC
Description 1:	Leak Confirmation
Description 2:	Property/Fee Title Owner
Description 3:	Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4:	RP Identified & Solvent
Description 5:	Other Groundwater affected (uses other than drinking water)
Description 6:	Substance released from Underground Storage Tank System
Program Element:	5602
Status:	1,3B,5C,8
Status Desc:	Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway
Substance:	8006619
Org Name:	CURTIS & JOYCE THOMAS HEIRS OF EST
Description 1:	Leak Confirmation
Description 2:	Former Fee Title Owner
Description 3:	Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4:	RP Identified & Solvent

Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 1,3B,5C,8
Status Desc: Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway
Substance: 8006619
Org Name: CURTIS & JOYCE THOMAS HEIRS OF EST
Description 1: Pollution Characterization
Description 2: Former Fee Title Owner
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 1,3B,5C,8
Status Desc: Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway
Substance: 8006619
Org Name: JAY PHARES CORPORATION
Description 1: Leak Confirmation
Description 2: Business Owner
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 1,3B,5C,8
Status Desc: Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway
Substance: 8006619
Org Name: ALAMEDA COUNTY LOP
Description 1: Pollution Characterization
Description 2: Not Applicable
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 1,3B,5C,8
Status Desc: Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway
Substance: 8006619
Org Name: ALAMEDA COUNTY LOP
Description 1: Leak Confirmation
Description 2: Not Applicable
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 1,3B,5C,8
Status Desc: Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway
Substance: 8006619
Org Name: FRUITVALE FARNAM ASSOCIATES LLC
Description 1: Pollution Characterization
Description 2: Property/Fee Title Owner
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602

Status: 1,3B,5C,8
Status Desc: Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway
Substance: 8006619
Org Name: ALAMEDA COUNTY LOP
Description 1: Verification Monitoring Underway
Description 2: Not Applicable
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 1,3B,5C,8
Status Desc: Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway
Substance: 8006619
Org Name: FRUITVALE FARNAM ASSOCIATES LLC
Description 1: Verification Monitoring Underway
Description 2: Property/Fee Title Owner
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 1,3B,5C,8
Status Desc: Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway
Substance: 8006619
Org Name: JAY PHARES CORPORATION
Description 1: Preliminary Site Assessment Underway
Description 2: Business Owner
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 1,3B,5C,8
Status Desc: Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway
Substance: 8006619
Org Name: JAY PHARES CORPORATION
Description 1: Pollution Characterization
Description 2: Business Owner
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 1,3B,5C,8
Status Desc: Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway
Substance: 8006619
Org Name: CURTIS & JOYCE THOMAS HEIRS OF EST
Description 1: Preliminary Site Assessment Underway
Description 2: Former Fee Title Owner
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 1,3B,5C,8
Status Desc: Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway
Substance: 8006619

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Org Name: JAY PHARES CORPORATION
Description 1: Verification Monitoring Underway
Description 2: Business Owner
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 1,3B,5C,8
Status Desc: Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway
Substance: 8006619
Org Name: CURTIS & JOYCE THOMAS HEIRS OF EST
Description 1: Verification Monitoring Underway
Description 2: Former Fee Title Owner
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 1,3B,5C,8
Status Desc: Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway
Substance: 8006619
Org Name: ALAMEDA COUNTY LOP
Description 1: Preliminary Site Assessment Underway
Description 2: Not Applicable
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 1,3B,5C,8
Status Desc: Leak confirmation,Preliminary site assessment underway,Pollution characterization,Verification monitoring underway
Substance: 8006619
Org Name: FRUITVALE FARNAM ASSOCIATES LLC
Description 1: Preliminary Site Assessment Underway
Description 2: Property/Fee Title Owner
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

---

39	1 of 6	S	0.24 / 1,287.94	26.73 / -11	CALIF-WASHINGTON CAN CORP 3100 E 9TH STREET OAKLAND CA 94601	EMISSIONS

1995 Criteria Data

Facility ID:	9331	**CERR Code:**	
Facility SIC Code:	3411	**TOGT:**	127.4
CO:	1	**ROGT:**	89.76762
Air Basin:	SF	**COT:**	.3
District:	BA	**NOXT:**	1.2
COID:	ALA	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	0
CHAPIS:		**PM10T:**	0

1995 Toxic Data

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Facility ID:	9331	**COID:**	ALA
Facility SIC Code:	3411	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

39	2 of 6	S	0.24 / 1,287.94	26.73 / -11	DEL MONTE CORPORATION - CAN MF 3100 E 9TH STREET OAKLAND CA 94601	EMISSIONS

1987 Criteria Data

Facility ID:	259	**CERR Code:**	
Facility SIC Code:	3411	**TOGT:**	122.3
CO:	1	**ROGT:**	86.87729
Air Basin:	SF	**COT:**	.7
District:	BA	**NOXT:**	2.8
COID:	ALA	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	0
CHAPIS:		**PM10T:**	0

1987 Toxic Data

Facility ID:	259	**COID:**	ALA
Facility SIC Code:	3411	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1990 Criteria Data

Facility ID:	259	**CERR Code:**	
Facility SIC Code:	3411	**TOGT:**	138.8
CO:	1	**ROGT:**	97.73432
Air Basin:	SF	**COT:**	.8
District:	BA	**NOXT:**	3.3
COID:	ALA	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	0
CHAPIS:		**PM10T:**	0

1990 Toxic Data

Facility ID:	259	**COID:**	ALA
Facility SIC Code:	3411	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
39	3 of 6	S	0.24 / 1,287.94	26.73 / -11	PLANT 237 3100 E 9TH STREET OAKLAND CA 94601	HHSS

County: Alameda
Pdf File Url: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00035ef2.pdf

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
39	4 of 6	S	0.24 / 1,287.94	26.73 / -11	PLANT #237 3100 E 9TH STREET OAKLAND CA	HIST TANK

Owner Name: DEL MONTE CORPORATION
Owner Street: ONE MARKET PLAZA
Owner City: SAN FRANCISCO
Owner State: CA
Owner Zip: 94119
No of Containers: 1
County: ALAMEDA
Facility State: CA
Facility Zip: 94601

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
39	5 of 6	S	0.24 / 1,287.94	26.73 / -11	DEL MONTE PLANT #37 3100 E 9TH ST Oakland CA 94601	ALAMEDA LOP

Record ID: RO0000472
Alt Record ID: SD0000472
Program: LUST
Release Type: UST
Site Contact: ((RWQCB))
RP Identification Date: 1/5/1995 12:00:00 AM
GIS Latitude: 37.7739886418
GIS Longitude: -122.229163201
Data Source: Local Oversight Program Detailed Inventory; Local Oversight Program Inventory

--Details--

Program Element: 5602
Status: 11,8
Status Desc: Case transferred,Verification monitoring underway
Substance: 8006619
Org Name: ALAMEDA COUNTY LOP
Description 1: Case Transferred
Description 2: Not Applicable
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 11,8
Status Desc: Case transferred,Verification monitoring underway
Substance: 8006619
Org Name: RWQCB
Description 1: Case Transferred
Description 2: Not Applicable
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 11,8
Status Desc: Case transferred,Verification monitoring underway
Substance: 8006619
Org Name: RWQCB
Description 1: Verification Monitoring Underway
Description 2: Not Applicable
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 11,8
Status Desc: Case transferred,Verification monitoring underway
Substance: 8006619
Org Name: ALAMEDA COUNTY LOP
Description 1: Verification Monitoring Underway
Description 2: Not Applicable
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

---

39	6 of 6	S	0.24 / 1,287.94	26.73 / -11	DEL MONTE PLANT 37/237 3100 E 9TH ST OAKLAND CA 94601	ALAMEDA LOP

Record ID: RO0002898
Alt Record ID: SD0002889
Program: LUST
Release Type: UST
Site Contact: ((RWQCB))
RP Identification Date: 12/13/1994 12:00:00 AM
GIS Latitude: 37.7739786418
GIS Longitude: -122.2291732013
Data Source: Local Oversight Program Detailed Inventory; Local Oversight Program Inventory

--Details--
Program Element: 5602
Status: 11
Status Desc: Case transferred
Substance: 128
Org Name: DEL MONTE FOODS
Description 1: Case Transferred
Description 2: Tank Owner
Description 3: Bunker fuel oil
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 11
Status Desc: Case transferred
Substance: 128
Org Name: RWQCB
Description 1: Case Transferred
Description 2: Not Applicable
Description 3: Bunker fuel oil
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

---

40	1 of 1	SW	0.25 / 1,295.83	23.44 / -14	PORTWOOD SHELL 820 Portwood Ave Oakland CA 94601	UST

Facility ID:
CERS ID: 10477831
County: Alameda
Latitude: 37.77556
Longitude: -122.2334
Permitting Agency: Alameda County Environmental Health
Note: Information related to facilities can be searched on Geo Tracker Website:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
		https://geotracker.waterboards.ca.gov/search				

41	1 of 1	NNW	0.25 / 1,305.99	38.52 / 1	ST JOSEPH'S PROFESSIONAL CENTER 2647 INTERNATIONAL BLVD Oakland CA 94601	ALAMEDA LOP

Record ID: RO0000687
Alt Record ID: SD0000687
Program: LUST
Release Type: UST
Site Contact: CHAN, BARNEY
RP Identification Date: 10/30/1995 12:00:00 AM
GIS Latitude: 37.7809801045
GIS Longitude: -122.2321697196
Data Source: Local Oversight Program Detailed Inventory; Local Oversight Program Inventory

--Details--

Program Element: 5602
Status: 9
Status Desc: Case closed
Substance: 12034
Org Name: C/O MS K CASTOR, TERRACORP
Description 1: Case Closed
Description 2: Former Fee Title Owner
Description 3: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 9
Status Desc: Case closed
Substance: 12034
Org Name: ALAMEDA COUNTY LOP
Description 1: Case Closed
Description 2: Not Applicable
Description 3: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 9
Status Desc: Case closed
Substance: 12034
Org Name: SF FEDERAL SAVINGS & LOAN
Description 1: Case Closed
Description 2: Property/Fee Title Owner
Description 3: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

42	1 of 1	SW	0.25 / 1,309.25	22.70 / -15	SHELL OIL #13-5696 820 PORTWOOD AVE OAKLAND CA 94601	LUST

Global ID: T10000003427
Status: COMPLETED - CASE CLOSED
Status Date: 2013-06-27 00:00:00
Case Type: LUST CLEANUP SITE
County: ALAMEDA
Latitude: 37.7755548845642
Longitude: -122.233452200889
Date Source: LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case Number:
Local Case Number: RO0003083
Begin Date: 2011-12-09 00:00:00
Lead Agency: ALAMEDA COUNTY LOP
Local Agency:
CUF Case: NO
Potential Media of Concern:
How Discovered Description:
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
DWR GW Subbasin Name: Santa Clara Valley - East Bay Plain (2-009.04)
Disadvantaged Community:
Site History:

Potential COC: Gasoline
How Discovered: Other Means
Stop Method: Other Means
Stop Description:
Case Worker:
File Location:

The site is an active gasoline service station. During a Phase II Investigation in August 2008, Total Petroleum hydrocarbons as gasoline (TPHg) and MTBE were detected in groundwater samples collected in the area of the underground storage tanks (USTs). TPHg was detected in two of seven grab groundwater samples at a maximum concentration of 81 micrograms per liter. MTBE was detected in one of seven grab groundwater samples at a concentration of 14 micrograms per liter.

Regulatory Activity

Action Type: ENFORCEMENT
Date : 2013-06-27 00:00:00
Action: Closure/No Further Action Letter - #20130627

Action Type: ENFORCEMENT
Date : 2013-06-18 00:00:00
Action: File Review - Closure - #20130618

Action Type: ENFORCEMENT
Date : 2012-06-21 00:00:00
Action: File review - #20120621

Action Type: Other
Date : 2008-09-30 00:00:00
Action: Leak Reported

Action Type: RESPONSE
Date : 2008-09-30 00:00:00
Action: Soil and Water Investigation Report

Action Type: Other
Date : 2008-09-30 00:00:00
Action: Leak Discovery

Regulatory Contacts

Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
City: OAKLAND
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)

Address: 1515 CLAY ST SUITE 1400
Email:
Phone Number:

Status History

Status: Completed - Case Closed
Status Date: 2013-06-27 00:00:00

Status: Completed - Case Closed
Status Date: 2013-06-18 00:00:00

Status: Open - Eligible for Closure
Status Date: 2013-06-18 00:00:00

Status: Open - Case Begin Date
Status Date: 2011-12-09 00:00:00

Status: Open - Site Assessment
Status Date: 2011-12-09 00:00:00

LUST Cleanup Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)

Site Facility Name: SHELL OIL #13-5696
Site Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Project Status:
Potential COC: GASOLINE
WDR Place Type:
WDR File:
WDR Order:
File Location:
Address: 820 PORTWOOD AVE
City: OAKLAND
Zip: 94601
County: ALAMEDA
CUF Claim:
CUF Priority Assig:
CUF Amount Paid:
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: http://geotracker.waterboards.ca.gov/profile_report?global_id=T10000003427
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 6/27/2013
Cleanup History Link: http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T10000003427&tabname=regulatoryhistory
Potential Media Of Concern: NONE SPECIFIED
User Defined Beneficial Use:
DWR GW Sub Basin: Santa Clara Valley - East Bay Plain (2-009.04)
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: ALAMEDA COUNTY LOP (LEAD) - CASE #: RO0003083
SAN FRANCISCO BAY RWQCB (REGION 2)
CASEWORKER: Regional Water Board
Site History:

The site is an active gasoline service station. During a Phase II Investigation in August 2008, Total Petroleum hydrocarbons as gasoline (TPHg) and MTBE were detected in groundwater samples collected in the area of the underground storage tanks (USTs). TPHg was detected in two of seven grab groundwater samples at a maximum concentration of 81 micrograms per liter. MTBE was detected in one of seven grab groundwater samples at a concentration of 14 micrograms per liter.

LUST Cleanup Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)

Status: Completed - Case Closed
Date : 6/27/2013

Status: Completed - Case Closed
Date : 6/18/2013

Status: Open - Eligible for Closure
Date : 6/18/2013

Status: Open - Site Assessment
Date : 12/9/2011

Status: Open - Case Begin Date
Date : 12/9/2011

LUST Cleanup Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)

Action Type: Other Regulatory Actions
Action Date: 6/27/2013
Received Issue Date: 6/27/2013
Action: Closure/No Further Action Letter - #20130627
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000003427&enforcement_id=6164921&temptable=ENFORCEMENT

Action Type: Other Regulatory Actions
Action Date: 6/18/2013
Received Issue Date: 6/18/2013
Action: File Review - Closure - #20130618
Doc Link:

Action Type: Other Regulatory Actions
Action Date: 6/21/2012
Received Issue Date: 6/21/2012
Action: File review - #20120621
Doc Link:

Action Type: Leak Action
Action Date: 9/30/2008
Received Issue Date:
Action: Leak Discovery
Doc Link:

Action Type: Leak Action
Action Date: 9/30/2008
Received Issue Date:
Action: Leak Reported
Doc Link:

Action Type: Response Requested - Reports
Action Date: 9/30/2008
Received Issue Date: 9/30/2008
Action: Soil and Water Investigation Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000003427&doc_id=5740032

LUST Cleanup Sites from GeoTracker Search - Documents(as of Jan 18, 2019)

Document Type: Site Documents
Size :
Document Date: 6/27/2013
Submitted By: JERRY WICKHAM (REGULATOR)
Type: CLOSURE/NO FURTHER ACTION LETTER
Submitted:
Title: CLOS_L_2013-06-27
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000003427&enforcement_id=6164921

Document Type: Site Documents
Size :
Document Date: 9/30/2008
Submitted By: JERRY WICKHAM (REGULATOR)
Type: SOIL AND WATER INVESTIGATION REPORT
Submitted:
Title: PHASE 2 ENVIRONMENTAL SITE ASSESSMENT
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000003427&document_id=5740032

43	1 of 7	WSW	0.25 / 1,310.48	22.63 / -15	PORTWOOD SHELL 820 PORTWOOD AVE OAKLAND CA 94601	CERS TANK

Site ID: 58255
Latitude: 37.775562
Longitude: -122.233414

Regulated Programs

EI Description: Underground Storage Tank
EI ID: 10477831

EI Description: Chemical Storage Facilities
EI ID: 10477831

Violations

Violation Date: 10/24/2014
Violation Source: CERS
Violation Program: UST
Violation Division: Oakland City Fire Department

Citation: HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter 6.7, Section(s) Multiple Sections
Violation Notes:

87 sump sensor failed testing and needs to be replaced

Violation Description:

UST Program - Operations/Maintenance - General

Violations

Violation Date: 10/17/2017 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** Alameda County Environmental Health
Citation: 23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712
Violation Notes:

Returned to compliance on 08/09/2018. OBSERVATION: *Complete CERS UST monitoring plan not observed on-site. *High Product programmed for 98%. USTs shall not be filled to greater than 95% of the nominal capacity. CORRECTED ON SITE. CORRECTIVE ACTION: Maintain an approved monitoring and response plan ON SITE. Comply with all operating permit conditions.

Violation Description:

Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.

Violations

Violation Date: 10/20/2015 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** Alameda County Environmental Health
Citation: 23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1)
Violation Notes:

Returned to compliance on 12/21/2015. OBSERVATION: UDC 5/6 esite sensor failure. CORRECTIVE ACTION: Repair/replace sensor immediately and retest. Submit retest to ACDEH within 30 days of testing. If the sensor is not to be replaced with the exact make and model, a permit will be required from ACDEH. It is recommended that the esite monitoring system be removed and converted to a total Veeder Root or similar system. Failure to repair/replace failed sensors will initiate immediate "Red Tagging" of appropriate UST systems and fines and penalties.

Violation Description:

Failure of the double wall pressurized piping in the under dispenser containment to be continuously monitored by a method that either shuts down the flow of product to the dispenser or activates an audible/visual alarm when a leak is detected.

Violations

Violation Date: 10/20/2015 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** Alameda County Environmental Health
Citation: 23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1)
Violation Notes:

Returned to compliance on 12/21/2015. OBSERVATION: Premium turbine sump esite sensor failure. CORRECTIVE ACTION: Repair/replace sensor immediately. If replacement of sensor is not of the same make and model a permit from ACDEH is required. Failure to repair/replace failed sensors will initiate immediate "Red Tagging" of appropriate UST systems and fines and penalties.

Violation Description:

Failure of the double wall pressurized piping in the turbine sump to be continuously monitored with a system that activates an audible and visual alarm or restricts or stops flow at dispenser when a leak is detected.

Violations

Violation Date: 10/20/2015 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)

Violation Notes:

Returned to compliance on 12/21/2015. OBSERVATION: Errors or omissions in the Owner/Operator page entered into CERS. CORRECTIVE ACTION: Correct the errors/omissions in the Owner/Operator page and enter into CERS.

Violation Description:

Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.

Violations

Violation Date: 04/13/2017 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 04/14/2017.

Violation Description:

Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.

Violations

Violation Date: 10/17/2017 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** Alameda County Environmental Health
Citation: 23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j)
Violation Notes:

Returned to compliance on 11/02/2017. OBSERVATION: Stand alone sensor (VR 001) on UDC 5/6 does not stop flow of product at the dispenser. Sensor failed the leak test. CORRECTIVE ACTION: Properly program/operate leak detection equipment. Submit documentation. No modification permit is required if "LIKE FOR LIKE" replacement.

Violation Description:

Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly.

Violations

Violation Date: 10/20/2015 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.7 25292.1(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25292.1(a)
Violation Notes:

Returned to compliance on 12/21/2015. OBSERVATION: Annular sensor riser cover is not secured by bolts. Gaskets in each annular senor riser opening in tank slab are present. CORRECTIVE ACTION: Secure covers using bolts. A permit may be required from ACDEH.

Violation Description:

Failure to operate the UST system to prevent spills and/or overfills.

Violations

Violation Date: 08/25/2015 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Notes:

Returned to compliance on 12/03/2015.

Violation Description:

Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.

Violations

Violation Date: 11/07/2016 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.7 25290.1(c)(3), 25290.2(c)(3) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c)(3), 25290.2(c)(3)
Violation Notes:

Returned to compliance on 11/07/2016. OBSERVATION: Both fill and turbine/pipe sumps contain some amount of water. CORRECTIVE ACTION: Water was removed from the tank sumps. CORRECTED AT THE TIME OF INSPECTION.

Violation Description:

Failure to keep water out of the secondary containment of UST systems installed on or after July 1, 2003 and before July 1, 2004, or on or after July 1, 2004.

Violations

Violation Date: 10/20/2015 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** Alameda County Environmental Health
Citation: 23 CCR 16 2636(f)(5) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(5)
Violation Notes:

Returned to compliance on 12/21/2015. OBSERVATION: Premium turbine sump esite sensor failure. CORRECTIVE ACTION: Repair/replace sensor immediately. If replacement of sensor is not of the same make and model a permit from ACDEH is required. Failure to repair/replace failed sensors will initiate immediate "Red Tagging" of appropriate UST systems and fines and penalties.

Violation Description:

Failure to maintain all product piping outside the dispenser to be fail-safe and shut down the pump when a leak is detected and the monitoring system shuts down the pump or flow restriction occurs when a leak is detected in the under dispenser containment.

Violations

Violation Date: 11/07/2016 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.7 25284 - California Health and Safety Code, Chapter 6.7, Section(s) 25284
Violation Notes:

Returned to compliance on 11/07/2016. OBSERVATION: Unable to locate ACDEH Tank Operating Permit during inspection. CORRECTIVE ACTION: Copy of Tank Operating Permit must be available for review during operation of the underground storage tank systems. Locate the operating permit and post at the store or otherwise have available during operation of the tank systems.

Violation Description:

Failure to obtain a valid permit to operate from the CUPA.

Violations

Violation Date: 10/20/2015 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 12/21/2015. OBERVATION: Emergency Response/Contingency Plan requires updating of Local Unified Agency phone number to ACDEH (510) 567-6700. CORRECTIVE ACTION: Revise the Emergency Response/Contingency Plan and upload to CERS.

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.

Violations

Violation Date: 10/20/2015 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: 19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 12/21/2015. OBSERVATION: Errors or omissions in the Owner/Operator page entered into CERS. CORRECTIVE ACTION: Correct the errors/omissions in the Owner/Operator page and enter into CERS.

Violation Description:

Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.

Violations

Violation Date: 10/17/2017 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** Alameda County Environmental Health
Citation: 23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665
Violation Notes:

Returned to compliance on 10/17/2017. OBSERVATION: High Product for tanks T1, T2, and T3 were programmed for 98%. Regulations and Operating Permit allow only 95%. Technician reprogrammed High Product for 95% during the inspection. CORRECTED ON SITE. NOTE: Overfill Limit for tanks T1, T2, and T3 were programmed for 94%. Technician reprogrammed Overfill Limit for 90% during the inspection.

Violation Description:

Failure of the overfill prevention system to meet one of the following requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling.

Violations

Violation Date: 10/17/2017 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** Alameda County Environmental Health
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Notes:

Returned to compliance on 08/09/2018. OBSERVATION: Complete CERS UST monitoring plan not observed on-site. CORRECTIVE ACTION: Maintain an approved monitoring and response plan ON SITE. Submit monitoring plan to CERS for approval.

Violation Description:

Failure to have a UST Monitoring Plan available on site.

Violations

Violation Date: 05/21/2018 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Notes:

Returned to compliance on 06/08/2018.

Violation Description:

Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.

Violations

Violation Date: 10/17/2017 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** Alameda County Environmental Health
Citation: 23 CCR 6.7 25284, 25286 - California Code of Regulations, Title 23, Chapter 6.7, Section(s) 25284, 25286
Violation Notes:

Returned to compliance on 08/09/2018. OBSERVATION: *T1:87; T2:87-2; T3:91 = Product piping construction is SINGLE WALLED. CERS incorrectly lists "Double-walled". *T1:87, T2:87-2; T3:91 = Product secondary containment is "NONE". CERS incorrectly lists "Fiberglass". *For all tanks and pipelines: Product pipe is single walled. Uncheck "YES" on continuous monitoring of piping secondary containment. The turbine and piping sumps are monitored by Veeder Root TLS-350 with leak sensor model -208 with leak alarm and failure/disconnect triggering pump shutdown. Place this information into "other pipeline monitoring". *Tank Installation Date of 7/1/1992 is incorrect for the type of pipeline (single wall). Pipeline installed after July 1, 1987 shall have secondary containment (HSC 2636). The installed single walled fiberglass pipeline with VR ELLD Series 8484 leak detector meets upgrade requirements for pipeline installed after December 22, 1998. Facility shall determine the correct tank and pipeline [Truncated]

Violation Description:

Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.

Enforcements

Enf Action Date: 08/28/2015 ***Enf Action Program:*** HMRRP
Enf Action Type: Notice of Violation (Unified Program) ***Enf Action Source:*** CERS
Enf Action Division: Alameda County Environmental Health
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:

Evaluations

Eval Date: 10/20/2015
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

PORTWOOD SHELL 820 PORTWOOD AVENUE OAKLAND 94601 Initial inspection conducted by Alameda County Department of Environmental Health (ACDEH) on October 20, 2015. Nik Zagorov of ECO-CHEK is the service technician conducting the monitoring equipment certification and spill container testing. Consent to inspect was given by and the completed inspection report was reviewed with Ali Khan, shift manager. There are three double walled fiberglass underground storage tank (two 10,000 gallon Regular Unleaded and 10,000 gallon Premium Unleaded gasoline). The tanks are monitored by Veeder Root and esite. The Veeder Root TLS 350 monitors the tank annulars and product piping (ELLD) as well as inventory control. The Veeder Root TLS 350 is also programed to conduct 0.2 gph CSLD tests. The esite monitors the fill, ATG and STP sumps as well as the UDC. It is unknown if the operator has a subscription to Fastech for the esite. Alarm history was lost during post test of esite. [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 10/17/2017
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

Annual monitoring equipment certification and spill container test. Portwood Shell 820 Portwood Avenue Oakland, CA 94601 Annual UST inspection conducted by Alameda County Dept. of Environmental Health on October 17, 2017. Annual monitoring equipment certification and spill container test conducted by Nik Zagorov of Eco-Chek. Consent for the inspection was given by and the inspection was reviewed by Ali, Cashier. Inspection report Emailed to: Bhushan Bansal, Owner (rosebush71@hotmail.com). RETURN TO COMPLIANCE NOTIFICATION AND STATEMENT All violations noted in this Underground Storage Tank (UST) Annual Monitoring Certification (AMC) inspection report are to be corrected within THIRTY (30) days and proof of those corrections submitted to this office in the same time frame. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 08/25/2015
Violations Found: Yes
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

HMBP NOV LETTER; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 04/13/2017
Violations Found: Yes
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

HMBP NOV LETTER/ADD VIOLATION; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 10/24/2014
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Oakland City Fire Department
Eval Program: UST
Eval Source: CERS
Eval Notes:

Eval Date: 03/31/2014
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Oakland City Fire Department
Eval Program: UST
Eval Source: CERS
Eval Notes:

Eval Date: 10/18/2016
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

ANNUAL UST INSPECTION PORTWOOD SHELL 820 PORTWOOD AVENUE OAKLAND Annual UST Inspection conducted by Alameda County Department of Environmental Health on October 18, 2016. Annual monitoring equipment certification and spill container test conducted by Nik Zagorov of Eco-Chek. Consent for the inspection was given by and the inspection reviewed with HEMANTH K, CASHIER. Dispenser 1/2 UDC sensor failed to shutdown dispenser. Replaced sensor using sensor from dispenser 3/4 and did not shutdown dispenser. Controller may be the problem. New sensor and controller to be installed within 7 days. Last secondary containment test conducted 1/17/14. The next secondary containment test is due on or before January 17, 2017. Each year you must submit a complete CERS submittal (Facility Information, Site Map and Inventory, Emergency Response/Contingency Plan, UST forms). Your next due date is January 16, 2017. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 10/15/2018
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP

Eval Source: CERS
Eval Notes:

ALAMEDA COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH (ACDEH) ON SITE FOR HAZARDOUS MATERIALS BUSINESS PLAN INSPECTION. ESCORTED BY SANJEEV GUPTA, THE CASHIER. NO VIOLATIONS OBSERVED DURING THE INSPECTION.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 01/23/2017
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

Witness UST Secondary Containment Testing PORTWOOD SHELL 820 PORTWOOD AVENUE OAKLAND Alameda County Department of Environmental Health witnessed the testing of the underground storage tank secondary containment components on January 23, 2017. Ben Duncan conducted the testing. Test method was Caldwell. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 10/15/2018
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

ALAMEDA COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH (ACDEH) ON SITE FOR ANNUAL MONITORING CERTIFICATION (AMC) AND ROUTINE INSPECTION. NO VIOLATIONS NOTED DURING THE INSPECTION. THE SERVICE TECHNICIAN REMOVED LIQUID FROM INSIDE OF THE REGULAR UNLEADED-T1 STP SUMP, REGULAR UNLEADED- T2 STP SUMP AND THE PREMIUM ULEADED-T3 STP SUMP; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 05/21/2018
Violations Found: Yes
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

GENERATE NIV NOV LTR/ADDING VIOLATION IN EC; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 10/24/2014
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Oakland City Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 10/20/2015
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

PORTWOOD SHELL 820 PORTWOOD AVENUE OAKLAND 94601 CERS ID 10477831 Inactive EPA ID number: CAL000307244 Initial Hazardous Material Business Plan (HMBP) inspection conducted by Alameda County Department of Environmental Health (ACDEH) on October 20, 2015. Consent

to inspect was given by and the completed inspection report was reviewed with Ali Khan, shift manager. INVENTORY: There are two double walled fiberglass underground storage tanks (12,000 gallon Regular Unleaded and 10,000 gallon Premium Unleaded). There is also 225 gallons of detergent. Ali Khan did not have key to the room at the car wash where the detergent was stored so I was unable to view location and storage of the detergent. Annual submittal into CERS is required by Alameda County Department of Environmental Health. All violations noted in this Hazardous Materials Business Plan inspection report are to be corrected within 30 days and proof of those corrections submitted to this office [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 10/15/2018
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

ALAMEDA COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH (ACDEH) ON SITE FOR HAZARDOUS WASTE GENERATOR INSPECTION. ESCORTED BY SANJEEV GUPTA, THE CASHIER. NO VIOLATIONS OBSERVED DURING INSPECTION. FACILITY HAS 4 EMPLOYEES AFTER REVIEWING THE GENERATOR'S DISPOSAL RECORDS AND BUSINESS OPERATIONS, IT WAS OBSERVED THE FACILITY IS A VERY SMALL QUANTITY HAZARDOUS WASTE GENERATOR WHO GENERATES LESS THAN 100 KG ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc: UST Tank Owner
Entity Name: Bansal, Inc.
Entity Title:
Address: 1784 150TH Avenue
City: San Leandro
State: CA
Country: United States
Zip Code: 94578
Phone: (510) 387-5636

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: 820 Portwood Ave
City: Oakland
State: CA
Country:
Zip Code: 94601
Phone:

Affil Type Desc: UST Tank Operator
Entity Name: Bansal, Inc.
Entity Title:
Address: 1784 150TH Avenue
City: San Leandro
State: CA
Country: United States
Zip Code: 94578
Phone: (510) 387-5636

Affil Type Desc: Environmental Contact
Entity Name: Bhushan Bansal
Entity Title:
Address: 1784 150TH Avenue
City: San Leandro
State: CA
Country:
Zip Code: 94578
Phone:

Affil Type Desc: Legal Owner
Entity Name: Bhushan Bansal

Entity Title:
Address: 1784 150TH Avenue
City: San Leandro
State: CA
Country: United States
Zip Code: 94578
Phone: (510) 387-5636

Affil Type Desc: UST Permit Applicant
Entity Name: Bhushan Bansal
Entity Title: Owner
Address:
City:
State:
Country:
Zip Code:
Phone: (510) 387-5636

Affil Type Desc: Document Preparer
Entity Name: Nik Zagorov
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Identification Signer
Entity Name: Bhushan Bansal
Entity Title: Owner
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: UST Property Owner Name
Entity Name: Bansal, Inc.
Entity Title:
Address: 1784 150TH Avenue
City: San Leandro
State: CA
Country: United States
Zip Code: 94578
Phone: (510) 387-5636

Affil Type Desc: Parent Corporation
Entity Name: BAYFAIR SHELL (CUPA)
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Property Owner
Entity Name: Bansal, Inc.
Entity Title:
Address: 1784 150TH Avenue
City: San Leandro
State: CA
Country: United States
Zip Code: 94578
Phone: (510) 387-5636

Affil Type Desc: CUPA District

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Entity Name: Alameda County Env Health
Entity Title:
Address: 1131 Harbor Parkway, Suite 240
City: Alameda
State: CA
Country:
Zip Code: 94502-6577
Phone: (510) 567-6700

Affil Type Desc: Operator
Entity Name: Bhushan Bansal
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (510) 387-5636

Coordinates

Env Int Type Code:	HMBP	**Longitude:**	-122.233400
Program ID:	10477831	**Coord Name:**	
Latitude:	37.775560	**Ref Point Type Desc:**	Center of a facility or station.

43	2 of 7	WSW	0.25 / 1,310.48	22.63 / -15	SAME RONALD O AND JANET MILLER 820 PORTWOOD OAKLAND CA 94601	HHSS

County: Alameda
Pdf File Url: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00036333.pdf

---

43	3 of 7	WSW	0.25 / 1,310.48	22.63 / -15	SAME RONALD O & JANET MILLER 820 PORTWOOD OAKLAND CA	HIST TANK

Owner Name:	SHELL OIL COMPANY	**No of Containers:**	3
Owner Street:	P.O. BOX 4848	**County:**	ALAMEDA
Owner City:	ANAHEIM	**Facility State:**	CA
Owner State:	CA	**Facility Zip:**	94601
Owner Zip:	92803		

43	4 of 7	WSW	0.25 / 1,310.48	22.63 / -15	SHELL OIL #135696 820 PORTWOOD AVE OAKLAND CA 94601	ALAMEDA LOP

Record ID: RO0003083
Alt Record ID: SD0003076
Program: LUST
Release Type: UST
Site Contact: WICKHAM, JERRY
RP Identification Date: 6/22/2011 12:00:00 AM
GIS Latitude: 37.775589114
GIS Longitude: -122.233702941
Data Source: Local Oversight Program Detailed Inventory; Local Oversight Program Inventory

--Details--
Program Element: 5602
Status: 1,9
Status Desc: Leak confirmation,Case closed

Substance: 8006619
Org Name: BANSAL, INC
Description 1: Case Closed
Description 2: Property/Fee Title Owner
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Aquifer used for drinking water supply affected
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 1,9
Status Desc: Leak confirmation,Case closed
Substance: 8006619
Org Name: SHELL OIL PRODUCTS US
Description 1: Case Closed
Description 2: Former Tank Owner/Operator
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Aquifer used for drinking water supply affected
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 1,9
Status Desc: Leak confirmation,Case closed
Substance: 8006619
Org Name: BANSAL, INC
Description 1: Leak Confirmation
Description 2: Property/Fee Title Owner
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Aquifer used for drinking water supply affected
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 1,9
Status Desc: Leak confirmation,Case closed
Substance: 8006619
Org Name: SHELL OIL PRODUCTS US
Description 1: Leak Confirmation
Description 2: Former Tank Owner/Operator
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Aquifer used for drinking water supply affected
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 1,9
Status Desc: Leak confirmation,Case closed
Substance: 8006619
Org Name: ALAMEDA COUNTY LOP
Description 1: Case Closed
Description 2: Not Applicable
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Aquifer used for drinking water supply affected
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 1,9
Status Desc: Leak confirmation,Case closed
Substance: 8006619
Org Name: ALAMEDA COUNTY LOP
Description 1: Leak Confirmation
Description 2: Not Applicable
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Aquifer used for drinking water supply affected
Description 6: Substance released from Underground Storage Tank System

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
43	5 of 7	WSW	0.25 / 1,310.48	22.63 / -15	SHELL PROTWOOD 820 PORTWOOD AVE OAKLAND CA 94601	RCRA NON GEN

EPA Handler ID: CAL000422850
Gen Status Universe: No Report
Contact Name: BHUSHAN BANSAL
Contact Address: 2120 MONTANA ST , , OAKLAND , CA, 94602 ,
Contact Phone No and Ext: 510-387-5636
Contact Email: ROSEBUSH312@HOTMAIL.COM
Contact Country:
County Name: ALAMEDA
EPA Region: 09
Land Type:
Receive Date: 20161206

Violation/Evaluation Summary

Note: NO RECORDS: As of Mar 2019, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: Yes
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20161206
Handler Name: SHELL PROTWOOD
Generator Status Universe: No Report
Source Type: Implementer

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Other
Name: BHUSHAN BANSAL
Date Became Current:
Date Ended Current:
Phone: 510-387-5636
Source Type: Implementer

Street No:
Street 1: 2120 MONTANA ST
Street 2:
City: OAKLAND
State: CA
Country:
Zip Code: 94602

Owner/Operator Ind: Current Operator
Type: Other
Name: BHUSHAN BANSAL
Date Became Current:
Date Ended Current:

Street No:
Street 1: 2120 MONTANA ST
Street 2:
City: OAKLAND
State: CA

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Phone:	510-387-5636	**Country:**	
Source Type:	Implementer	**Zip Code:**	94602

43	6 of 7	WSW	0.25 / 1,310.48	22.63 / -15	SHELL SERVICE STATION 820 PORTWOOD S A P 135696 OAKLAND CA 94601	RCRA SQG

EPA Handler ID:	CAR000129031
Gen Status Universe:	Small Quantity Generator
Contact Name:	KYLE LANDRENEAU
Contact Address:	P O BOX 2648 , , HOUSTON , TX, 77252-2648 , US
Contact Phone No and Ext:	713-353-2069
Contact Email:	
Contact Country:	US
County Name:	ALAMEDA
EPA Region:	09
Land Type:	Private
Receive Date:	20020926

Violation/Evaluation Summary

Note: NO RECORDS: As of Mar 2019, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20020926
Handler Name:	SHELL SERVICE STATION
Generator Status Universe:	Small Quantity Generator
Source Type:	Notification

Waste Code Details

Hazardous Waste Code:	D001
Waste Code Description:	IGNITABLE WASTE
Hazardous Waste Code:	D018
Waste Code Description:	BENZENE

Owner/Operator Details

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	P O BOX 2648

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Name:	EQUILON ENTERPRISES LLC DBA	**Street 2:**	
Date Became Current:		**City:**	HOUSTON
Date Ended Current:		**State:**	TX
Phone:	713-353-2069	**Country:**	
Source Type:	Notification	**Zip Code:**	77252-2648

43	7 of 7	WSW	0.25 / 1,310.48	22.63 / -15	PORTWOOD SHELL 820 Portwood Ave Oakland CA	UST ALAMEDA

Facility ID: FA0321497

Details

Program Element:	4103	**Curr Insp:**	10/15/2019
Status Code:	01	**Last Insp:**	10/17/2018
State Desc:	Active	**Name:**	Bhushan Bansal
Owner ID:	OW0002367		
Description:	UNDERGROUND STORAGE TANK 3 CONTAINERS		

44	1 of 1	E	0.25 / 1,342.16	48.40 / 11	ARCO #0402 / PARKING LOT 1450 FRUITVALE OAKLAND CA 94601	LUST

Global ID:	T06019734265	**County:**	ALAMEDA
Status:	COMPLETED - CASE CLOSED	**Latitude:**	37.778279
Status Date:	2018-11-06 00:00:00	**Longitude:**	-122.225165
Case Type:	LUST CLEANUP SITE		
Date Source:	LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download		

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case Number:	NA	**Potential COC:**	Gasoline
Local Case Number:	RO0000307	**How Discovered:**	Site Assessment/Site Investigation
Begin Date:	1998-07-09 00:00:00	**Stop Method:**	Other Means
Lead Agency:	ALAMEDA COUNTY LOP	**Stop Description:**	
Local Agency:	ALAMEDA COUNTY LOP	**Case Worker:**	KLD
CUF Case:	NO	**File Location:**	All Files are on GeoTracker or in the Local Agency Database

Potential Media of Concern:	Other Groundwater (uses other than drinking water)
How Discovered Description:	SSI
Calwater Watershed Name:	South Bay - East Bay Cities (204.20)
DWR GW Subbasin Name:	Santa Clara Valley - East Bay Plain (2-009.04)
Disadvantaged Community:	Disadvantaged Community
Site History:	

A former ARCO station operated at the site. The site was subsequently sold and redeveloped. In July 1998, borings were installed at the site. Soil and groundwater contamination was detected at the site. In 1999, geophysical surveys to locate former USTs and additional borings were installed. In 2002, monitoring wells were installed and in 2002, additional borings were installed.

Regulatory Activity

Action Type:	ENFORCEMENT
Date :	2018-11-06 00:00:00
Action:	Closure/No Further Action Letter
Action Type:	ENFORCEMENT
Date :	2018-10-25 00:00:00
Action:	Email Correspondence - #20181025
Action Type:	RESPONSE
Date :	2018-10-04 00:00:00

Action: Well Destruction Report

Action Type: ENFORCEMENT
Date : 2018-07-23 00:00:00
Action: State Water Board - Closure Order

Action Type: ENFORCEMENT
Date : 2018-03-08 00:00:00
Action: Notification - Public Notice of Case Closure

Action Type: ENFORCEMENT
Date : 2017-09-20 00:00:00
Action: Email Correspondence - #20170920

Action Type: RESPONSE
Date : 2017-07-26 00:00:00
Action: Request for Closure - Regulator Responded

Action Type: RESPONSE
Date : 2017-02-17 00:00:00
Action: Correspondence

Action Type: ENFORCEMENT
Date : 2016-08-30 00:00:00
Action: Staff Letter - #20160830

Action Type: RESPONSE
Date : 2016-07-29 00:00:00
Action: Soil and Water Investigation Report

Action Type: RESPONSE
Date : 2016-05-03 00:00:00
Action: Status / Progress Reports

Action Type: RESPONSE
Date : 2016-03-11 00:00:00
Action: Request for Closure - Regulator Responded

Action Type: RESPONSE
Date : 2016-03-11 00:00:00
Action: Other Report / Document

Action Type: RESPONSE
Date : 2016-01-19 00:00:00
Action: Monitoring Report - Quarterly

Action Type: ENFORCEMENT
Date : 2016-01-08 00:00:00
Action: Meeting - #20160108

Action Type: ENFORCEMENT
Date : 2016-01-08 00:00:00
Action: Staff Letter - #20160108

Action Type: ENFORCEMENT
Date : 2015-12-18 00:00:00
Action: Staff Letter - #20151218

Action Type: RESPONSE
Date : 2015-07-17 00:00:00
Action: Monitoring Report - Quarterly

Action Type: RESPONSE
Date : 2015-06-10 00:00:00
Action: Correspondence

Action Type: RESPONSE
Date : 2015-06-09 00:00:00
Action: Correspondence

Action Type: ENFORCEMENT
Date : 2015-05-11 00:00:00
Action: Staff Letter - #20151105

Action Type: RESPONSE
Date : 2015-03-13 00:00:00
Action: Request for Closure - Regulator Responded

Action Type: RESPONSE
Date : 2015-01-15 00:00:00
Action: Status / Progress Reports

Action Type: RESPONSE
Date : 2014-10-31 00:00:00
Action: Monitoring Report - Semi-Annually

Action Type: RESPONSE
Date : 2014-07-31 00:00:00
Action: Monitoring Report - Semi-Annually

Action Type: RESPONSE
Date : 2014-02-28 00:00:00
Action: Soil Vapor Intrusion Investigation Report

Action Type: ENFORCEMENT
Date : 2013-08-01 00:00:00
Action: Staff Letter - #2013/08/01

Action Type: RESPONSE
Date : 2013-05-28 00:00:00
Action: Well Installation Workplan - Regulator Responded

Action Type: ENFORCEMENT
Date : 2013-02-21 00:00:00
Action: Staff Letter - #20130221

Action Type: ENFORCEMENT
Date : 2013-01-02 00:00:00
Action: Staff Letter - #20130102

Action Type: ENFORCEMENT
Date : 2012-12-31 00:00:00
Action: Technical Correspondence / Assistance / Other - #20121231

Action Type: RESPONSE
Date : 2012-10-31 00:00:00
Action: Soil and Water Investigation Workplan - Regulator Responded

Action Type: ENFORCEMENT
Date : 2012-10-15 00:00:00
Action: Technical Correspondence / Assistance / Other - #20121015

Action Type: ENFORCEMENT
Date : 2012-10-09 00:00:00
Action: Meeting - #20121009

Action Type: ENFORCEMENT
Date : 2012-10-06 00:00:00
Action: Meeting - #0121006

Action Type: ENFORCEMENT
Date : 2012-09-14 00:00:00
Action: Meeting - #20120914

Action Type: ENFORCEMENT
Date : 2012-09-06 00:00:00
Action: Meeting - #20120906

Action Type: ENFORCEMENT
Date : 2012-08-29 00:00:00
Action: Staff Letter - #20120829

Action Type: ENFORCEMENT
Date : 2012-06-25 00:00:00
Action: File review

Action Type: RESPONSE
Date : 2012-01-23 00:00:00
Action: Correspondence

Action Type: RESPONSE
Date : 2009-10-30 00:00:00
Action: Monitoring Report - Quarterly

Action Type: RESPONSE
Date : 2009-09-15 00:00:00
Action: Correspondence

Action Type: RESPONSE
Date : 2009-07-30 00:00:00
Action: Monitoring Report - Quarterly

Action Type: ENFORCEMENT
Date : 2009-07-24 00:00:00
Action: Staff Letter - #20090728

Action Type: RESPONSE
Date : 2009-04-30 00:00:00
Action: Monitoring Report - Quarterly

Action Type: RESPONSE
Date : 2009-01-30 00:00:00
Action: Monitoring Report - Quarterly

Action Type: RESPONSE
Date : 2008-12-15 00:00:00
Action: Soil and Water Investigation Report

Action Type: RESPONSE
Date : 2008-12-11 00:00:00
Action: Correspondence

Action Type: RESPONSE
Date : 2008-10-30 00:00:00
Action: Monitoring Report - Quarterly

Action Type: ENFORCEMENT
Date : 2008-10-29 00:00:00
Action: Technical Correspondence / Assistance / Other - #20081029

Action Type: ENFORCEMENT
Date : 2008-10-16 00:00:00
Action: Staff Letter - #20081016

Action Type: RESPONSE
Date : 2008-09-04 00:00:00
Action: Correspondence

Action Type: RESPONSE
Date : 2008-08-25 00:00:00
Action: Soil and Water Investigation Report

Action Type: RESPONSE
Date : 2008-08-25 00:00:00
Action: Soil and Water Investigation Workplan

Action Type: RESPONSE

Date : 2008-08-08 00:00:00
Action: Other Report / Document

Action Type: RESPONSE
Date : 2008-07-30 00:00:00
Action: Monitoring Report - Quarterly

Action Type: ENFORCEMENT
Date : 2008-07-28 00:00:00
Action: Technical Correspondence / Assistance / Other - #20080728

Action Type: ENFORCEMENT
Date : 2008-07-22 00:00:00
Action: Technical Correspondence / Assistance / Other - #20080722

Action Type: ENFORCEMENT
Date : 2008-07-09 00:00:00
Action: Staff Letter - #20080709

Action Type: RESPONSE
Date : 2008-06-23 00:00:00
Action: Other Report / Document

Action Type: ENFORCEMENT
Date : 2008-06-22 00:00:00
Action: Staff Letter - #20080622

Action Type: RESPONSE
Date : 2008-06-20 00:00:00
Action: Correspondence

Action Type: ENFORCEMENT
Date : 2008-05-22 00:00:00
Action: Staff Letter - #20080522B

Action Type: RESPONSE
Date : 2007-10-15 00:00:00
Action: Monitoring Report - Quarterly

Action Type: RESPONSE
Date : 2007-08-15 00:00:00
Action: Monitoring Report - Quarterly

Action Type: ENFORCEMENT
Date : 2007-07-28 00:00:00
Action: Technical Correspondence / Assistance / Other - #20070728

Action Type: RESPONSE
Date : 2007-04-15 00:00:00
Action: Monitoring Report - Quarterly

Action Type: RESPONSE
Date : 2007-01-15 00:00:00
Action: Monitoring Report - Quarterly

Action Type: RESPONSE
Date : 2006-07-28 00:00:00
Action: Correspondence

Action Type: ENFORCEMENT
Date : 2006-06-22 00:00:00
Action: Staff Letter - #20060622

Action Type: ENFORCEMENT
Date : 2005-08-12 00:00:00
Action: Technical Correspondence / Assistance / Other - #20050812

Action Type: ENFORCEMENT
Date : 1999-07-15 00:00:00

Action: Notice of Responsibility - #19990715

Action Type: Other
Date : 1999-07-09 00:00:00
Action: Leak Reported

Action Type: Other
Date : 1998-07-09 00:00:00
Action: Leak Discovery

Regulatory Contacts

Contact Type: Local Agency Caseworker
Contact Name: KAREL DETTERMAN
City: ALAMEDA
Organization Name: ALAMEDA COUNTY LOP
Address: 1131 Harbor Bay Parkway
Email: karel.detterman@acgov.org
Phone Number: 5105676708

Status History

Status: Completed - Case Closed
Status Date: 2018-11-06 00:00:00

Status: Open - Eligible for Closure
Status Date: 2018-07-23 00:00:00

Status: Open - Site Assessment
Status Date: 2008-05-22 00:00:00

Status: Open - Site Assessment
Status Date: 2002-06-10 00:00:00

Status: Open - Verification Monitoring
Status Date: 2000-10-16 00:00:00

Status: Open - Site Assessment
Status Date: 2000-09-25 00:00:00

Status: Open - Site Assessment
Status Date: 1999-08-23 00:00:00

Status: Open - Case Begin Date
Status Date: 1998-07-09 00:00:00

Status: Open - Site Assessment
Status Date: 1998-07-09 00:00:00

LUST Cleanup Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)

Site Facility Name: ARCO #0402 / PARKING LOT
Site Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Project Status:
Potential COC: GASOLINE
WDR Place Type:
WDR File:
WDR Order:
Address: 1450 FRUITVALE
City: OAKLAND
Zip: 94601
County: ALAMEDA
CUF Claim:
CUF Priority Assig:
CUF Amount Paid:
File Location: ALL FILES ARE ON GEOTRACKER OR IN THE LOCAL AGENCY DATABASE
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: http://geotracker.waterboards.ca.gov/profile_report?global_id=T06019734265
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 11/6/2018
Cleanup History Link: http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T06019734265&tabname=regulatoryhistory
Potential Media Of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
User Defined Beneficial Use:
DWR GW Sub Basin: Santa Clara Valley - East Bay Plain (2-009.04)

Calwater Watershed Name: South Bay - East Bay Cities (204.20)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: ALAMEDA COUNTY LOP (LEAD) - CASE #: RO0000307
CASEWORKER: KAREL DETTERMAN
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: NA

Site History:

A former ARCO station operated at the site. The site was subsequently sold and redeveloped. In July 1998, borings were installed at the site. Soil and groundwater contamination was detected at the site. In 1999, geophysical surveys to locate former USTs and additional borings were installed. In 2002, monitoring wells were installed and in 2002, additional borings were installed.

LUST Cleanup Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)

Status: Completed - Case Closed
Date : 11/6/2018

Status: Open - Eligible for Closure
Date : 7/23/2018

Status: Open - Site Assessment
Date : 5/22/2008

Status: Open - Site Assessment
Date : 6/10/2002

Status: Open - Verification Monitoring
Date : 10/16/2000

Status: Open - Site Assessment
Date : 9/25/2000

Status: Open - Site Assessment
Date : 8/23/1999

Status: Open - Site Assessment
Date : 7/9/1998

Status: Open - Case Begin Date
Date : 7/9/1998

LUST Cleanup Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)

Action Type: Other Regulatory Actions
Action Date: 11/6/2018
Received Issue Date: 11/6/2018
Action: Closure/No Further Action Letter
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&enforcement_id=6375031&temptable=ENFORCEMENT

Action Type: Other Regulatory Actions
Action Date: 10/25/2018
Received Issue Date: 10/25/2018
Action: Email Correspondence - #20181025
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&enforcement_id=6373453&temptable=ENFORCEMENT

Action Type: Response Requested - Reports
Action Date: 10/4/2018
Received Issue Date: 10/4/2018
Action: Well Destruction Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T06019734265&doc_id=5976500

Action Type: Other Regulatory Actions
Action Date: 7/23/2018
Received Issue Date: 7/23/2018

Action: State Water Board - Closure Order
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&enforcement_id=6364907&temptable=ENFORCEMENT

Action Type: Notices
Action Date: 3/8/2018
Received Issue Date: 3/8/2018
Action: Notification - Public Notice of Case Closure
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&enforcement_id=6350776&temptable=ENFORCEMENT

Action Type: SWRCB Case Review
Action Date: 3/8/2018
Received Issue Date:
Action: Closure Denial Review
Doc Link:

Action Type: Other Regulatory Actions
Action Date: 9/20/2017
Received Issue Date: 9/20/2017
Action: Email Correspondence - #20170920
Doc Link:

Action Type: Response Requested - Other
Action Date: 7/26/2017
Received Issue Date: 7/26/2017
Action: Request for Closure - Regulator Responded
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T06019734265&doc_id=5943725

Action Type: Response Requested - Other
Action Date: 2/17/2017
Received Issue Date: 2/17/2017
Action: Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T06019734265&doc_id=5913755

Action Type: Other Regulatory Actions
Action Date: 8/30/2016
Received Issue Date: 8/30/2016
Action: Staff Letter - #20160830
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&enforcement_id=6301184&temptable=ENFORCEMENT

Action Type: Response Requested - Reports
Action Date: 7/29/2016
Received Issue Date: 7/29/2016
Action: Soil and Water Investigation Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T06019734265&doc_id=5913759

Action Type: Response Requested - Reports
Action Date: *7/29/2016
Received Issue Date: 8/1/2016
Action: Soil and Water Investigation Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T06019734265&doc_id=5888554

Action Type: Response Requested - Reports
Action Date: 5/3/2016
Received Issue Date: 5/3/2016
Action: Status / Progress Reports
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T06019734265&doc_id=5888194

Action Type: Response Requested - Other
Action Date: *3/11/2016
Received Issue Date:
Action: Other Report / Document
Doc Link:

Action Type: Response Requested - Other
Action Date: 3/11/2016
Received Issue Date: 3/11/2016

Action: Request for Closure - Regulator Responded
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T06019734265&doc_id=5885373

Action Type: Response Requested - Reports
Action Date: 1/19/2016
Received Issue Date: 1/19/2016
Action: Monitoring Report - Quarterly
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T06019734265&doc_id=5913760

Action Type: Other Regulatory Actions
Action Date: 1/8/2016
Received Issue Date: 1/8/2016
Action: Meeting - #20160108
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&enforcement_id=6272128&temptable=ENFORCEMENT

Action Type: Other Regulatory Actions
Action Date: 1/8/2016
Received Issue Date: 1/8/2016
Action: Staff Letter - #20160108
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&enforcement_id=6272127&temptable=ENFORCEMENT

Action Type: Other Regulatory Actions
Action Date: 12/18/2015
Received Issue Date: 12/18/2015
Action: Staff Letter - #20151218
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&enforcement_id=6272084&temptable=ENFORCEMENT

Action Type: Response Requested - Reports
Action Date: 7/17/2015
Received Issue Date: 7/17/2015
Action: Monitoring Report - Quarterly
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T06019734265&doc_id=5913762

Action Type: Response Requested - Other
Action Date: 6/10/2015
Received Issue Date:
Action: Correspondence
Doc Link:

Action Type: Response Requested - Other
Action Date: 6/9/2015
Received Issue Date: 6/9/2015
Action: Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T06019734265&doc_id=5913756

Action Type: Other Regulatory Actions
Action Date: 5/11/2015
Received Issue Date: 5/11/2015
Action: Staff Letter - #20151105
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&enforcement_id=6244809&temptable=ENFORCEMENT

Action Type: Response Requested - Other
Action Date: 3/13/2015
Received Issue Date: 3/13/2015
Action: Request for Closure - Regulator Responded
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T06019734265&doc_id=5840601

Action Type: Response Requested - Reports
Action Date: 1/15/2015
Received Issue Date: 1/15/2015
Action: Status / Progress Reports
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T06019734265&doc_id=5913761

Action Type: Response Requested - Reports
Action Date: 10/31/2014

Received Issue Date: 10/31/2014
Action: Monitoring Report - Semi-Annually
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T06019734265&doc_id=5913757

Action Type: Response Requested - Reports
Action Date: 7/31/2014
Received Issue Date: 7/31/2014
Action: Monitoring Report - Semi-Annually
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T06019734265&doc_id=5913758

Action Type: Response Requested - Reports
Action Date: *2/28/2014
Received Issue Date:
Action: Soil Vapor Intrusion Investigation Report
Doc Link:

Action Type: Other Regulatory Actions
Action Date: 8/1/2013
Received Issue Date: 8/1/2013
Action: Staff Letter - #2013/08/01
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&enforcement_id=6170401&temptable=ENFORCEMENT

Action Type: Response Requested - Workplans
Action Date: 5/28/2013
Received Issue Date: 5/28/2013
Action: Well Installation Workplan - Regulator Responded
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T06019734265&doc_id=5776566

Action Type: Other Regulatory Actions
Action Date: 2/21/2013
Received Issue Date: 2/21/2013
Action: Staff Letter - #20130221
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&enforcement_id=6150435&temptable=ENFORCEMENT

Action Type: Other Regulatory Actions
Action Date: 1/2/2013
Received Issue Date: 1/2/2013
Action: Staff Letter - #20130102
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&enforcement_id=6146078&temptable=ENFORCEMENT

Action Type: Other Regulatory Actions
Action Date: 12/31/2012
Received Issue Date: 12/31/2012
Action: Technical Correspondence / Assistance / Other - #20121231
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&enforcement_id=6146079&temptable=ENFORCEMENT

Action Type: Response Requested - Workplans
Action Date: 10/31/2012
Received Issue Date: 10/31/2012
Action: Soil and Water Investigation Workplan - Regulator Responded
Doc Link:

Action Type: Other Regulatory Actions
Action Date: 10/15/2012
Received Issue Date: 10/15/2012
Action: Technical Correspondence / Assistance / Other - #20121015
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&enforcement_id=6144925&temptable=ENFORCEMENT

Action Type: Other Regulatory Actions
Action Date: 10/9/2012
Received Issue Date: 10/9/2012
Action: Meeting - #20121009
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&enforcement_id=6144916&temptable=ENFORCEMENT

Action Type: Other Regulatory Actions
Action Date: 10/6/2012
Received Issue Date: 10/6/2012
Action: Meeting - #0121006
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&enforcement_id=6144924&temptable=ENFORCEMENT

Action Type: Other Regulatory Actions
Action Date: 9/14/2012
Received Issue Date: 9/14/2012
Action: Meeting - #20120914
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&enforcement_id=6137924&temptable=ENFORCEMENT

Action Type: Other Regulatory Actions
Action Date: 9/6/2012
Received Issue Date: 9/6/2012
Action: Meeting - #20120906
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&enforcement_id=6137921&temptable=ENFORCEMENT

Action Type: Other Regulatory Actions
Action Date: 8/29/2012
Received Issue Date: 8/29/2012
Action: Staff Letter - #20120829
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&enforcement_id=6137920&temptable=ENFORCEMENT

Action Type: Other Regulatory Actions
Action Date: 6/25/2012
Received Issue Date: 6/25/2012
Action: File review
Doc Link:

Action Type: Response Requested - Other
Action Date: 1/23/2012
Received Issue Date: 1/23/2012
Action: Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T06019734265&doc_id=5763556

Action Type: Response Requested - Reports
Action Date: 10/30/2009
Received Issue Date:
Action: Monitoring Report - Quarterly
Doc Link:

Action Type: Response Requested - Other
Action Date: 9/15/2009
Received Issue Date: 9/15/2009
Action: Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T06019734265&doc_id=5763557

Action Type: Response Requested - Reports
Action Date: 7/30/2009
Received Issue Date:
Action: Monitoring Report - Quarterly
Doc Link:

Action Type: Other Regulatory Actions
Action Date: 7/24/2009
Received Issue Date: 7/24/2009
Action: Staff Letter - #20090728
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&enforcement_id=6025093&temptable=ENFORCEMENT

Action Type: Response Requested - Reports
Action Date: 4/30/2009
Received Issue Date:

Action: Monitoring Report - Quarterly
Doc Link:

Action Type: Response Requested - Reports
Action Date: 1/30/2009
Received Issue Date:
Action: Monitoring Report - Quarterly
Doc Link:

Action Type: Response Requested - Reports
Action Date: 12/15/2008
Received Issue Date:
Action: Soil and Water Investigation Report
Doc Link:

Action Type: Response Requested - Other
Action Date: 12/11/2008
Received Issue Date: 12/11/2008
Action: Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T06019734265&doc_id=5740403

Action Type: Response Requested - Reports
Action Date: 10/30/2008
Received Issue Date:
Action: Monitoring Report - Quarterly
Doc Link:

Action Type: Other Regulatory Actions
Action Date: 10/29/2008
Received Issue Date: 10/29/2008
Action: Technical Correspondence / Assistance / Other - #20081029
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&enforcement_id=6126542&temptable=ENFORCEMENT

Action Type: Other Regulatory Actions
Action Date: 10/16/2008
Received Issue Date: 10/16/2008
Action: Staff Letter - #20081016
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&enforcement_id=5990848&temptable=ENFORCEMENT

Action Type: Response Requested - Other
Action Date: 9/4/2008
Received Issue Date: 9/4/2008
Action: Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T06019734265&doc_id=5740404

Action Type: Response Requested - Reports
Action Date: 8/25/2008
Received Issue Date:
Action: Soil and Water Investigation Report
Doc Link:

Action Type: Response Requested - Reports
Action Date: *8/25/2008
Received Issue Date:
Action: Soil and Water Investigation Report
Doc Link:

Action Type: Response Requested - Workplans
Action Date: *8/25/2008
Received Issue Date:
Action: Soil and Water Investigation Workplan
Doc Link:

Action Type: Response Requested - Other
Action Date: 8/8/2008
Received Issue Date:
Action: Other Report / Document

Doc Link:

Action Type: Response Requested - Reports
Action Date: 7/30/2008
Received Issue Date:
Action: Monitoring Report - Quarterly
Doc Link:

Action Type: Other Regulatory Actions
Action Date: 7/28/2008
Received Issue Date: 7/28/2008
Action: Technical Correspondence / Assistance / Other - #20080728
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&enforcement_id=6126546&temptable=ENFORCEMENT

Action Type: Other Regulatory Actions
Action Date: 7/22/2008
Received Issue Date: 7/22/2008
Action: Technical Correspondence / Assistance / Other - #20080722
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&enforcement_id=6126541&temptable=ENFORCEMENT

Action Type: Other Regulatory Actions
Action Date: 7/9/2008
Received Issue Date: 7/9/2008
Action: Staff Letter - #20080709
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&enforcement_id=5980798&temptable=ENFORCEMENT

Action Type: Response Requested - Other
Action Date: 6/23/2008
Received Issue Date: 6/23/2008
Action: Other Report / Document
Doc Link:

Action Type: Other Regulatory Actions
Action Date: 6/22/2008
Received Issue Date: 6/22/2008
Action: Staff Letter - #20080622
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&enforcement_id=6126539&temptable=ENFORCEMENT

Action Type: Response Requested - Other
Action Date: 6/20/2008
Received Issue Date: 6/20/2008
Action: Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T06019734265&doc_id=5740407

Action Type: Other Regulatory Actions
Action Date: 5/22/2008
Received Issue Date: 5/22/2008
Action: Staff Letter - #20080522B
Doc Link:

Action Type: Response Requested - Reports
Action Date: 10/15/2007
Received Issue Date:
Action: Monitoring Report - Quarterly
Doc Link:

Action Type: Response Requested - Reports
Action Date: 8/15/2007
Received Issue Date:
Action: Monitoring Report - Quarterly
Doc Link:

Action Type: Other Regulatory Actions
Action Date: 7/28/2007
Received Issue Date: 7/28/2007

Action: Technical Correspondence / Assistance / Other - #20070728
Doc Link:

Action Type: Response Requested - Reports
Action Date: 4/15/2007
Received Issue Date:
Action: Monitoring Report - Quarterly
Doc Link:

Action Type: Response Requested - Reports
Action Date: 1/15/2007
Received Issue Date:
Action: Monitoring Report - Quarterly
Doc Link:

Action Type: Response Requested - Other
Action Date: 7/28/2006
Received Issue Date: 7/28/2006
Action: Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T06019734265&doc_id=5740408

Action Type: Other Regulatory Actions
Action Date: 6/22/2006
Received Issue Date: 6/22/2006
Action: Staff Letter - #20060622
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&enforcement_id=6126538&temptable=ENFORCEMENT

Action Type: Other Regulatory Actions
Action Date: 8/12/2005
Received Issue Date: 8/12/2005
Action: Technical Correspondence / Assistance / Other - #20050812
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&enforcement_id=6126543&temptable=ENFORCEMENT

Action Type: Notices
Action Date: 7/15/1999
Received Issue Date: 7/15/1999
Action: Notice of Responsibility - #19990715
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&enforcement_id=6126540&temptable=ENFORCEMENT

Action Type: Leak Action
Action Date: 7/9/1999
Received Issue Date:
Action: Leak Reported
Doc Link:

Action Type: Leak Action
Action Date: 7/9/1998
Received Issue Date:
Action: Leak Discovery
Doc Link:

LUST Cleanup Sites from GeoTracker Search - Site Maps(as of Jan 18, 2019)

Title: GEO_MAP
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/3574493646/T06019734265.PDF
Size : 178 KB
Submitted By: JAMES M. JACOBSEN (AUTH_RP)
Submitted: 7/21/2017

Title: MONITORING WELL INSTALLATION AND VAPOR INTRUSION ASSESSMENT REPORT (MW-5)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9173738002/T06019734265.PDF
Size : 200 KB
Submitted By: BROADBENT & ASSOCIATES, INC. (CONTRACTOR)
Submitted: 2/25/2014

Title: MONITORING WELL INSTALLATION AND VAPOR INTRUSION ASSESSMENT REPORT (SG-2A)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8800063371/T06019734265.PDF
Size : 154 KB
Submitted By: BROADBENT & ASSOCIATES, INC. (CONTRACTOR)
Submitted: 2/25/2014

Title: MONITORING WELL INSTALLATION AND VAPOR INTRUSION ASSESSMENT REPORT (SG-3B)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5400536715/T06019734265.PDF
Size : 187 KB
Submitted By: BROADBENT & ASSOCIATES, INC. (CONTRACTOR)
Submitted: 2/25/2014

Title: MONITORING WELL INSTALLATION AND VAPOR INTRUSION ASSESSMENT REPORT (SG-2B)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1561191618/T06019734265.PDF
Size : 183 KB
Submitted By: BROADBENT & ASSOCIATES, INC. (CONTRACTOR)
Submitted: 2/25/2014

Title: MONITORING WELL INSTALLATION AND VAPOR INTRUSION ASSESSMENT REPORT (SG-3A)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5650559902/T06019734265.PDF
Size : 159 KB
Submitted By: BROADBENT & ASSOCIATES, INC. (CONTRACTOR)
Submitted: 2/25/2014

Title: MONITORING WELL INSTALLATION AND VAPOR INTRUSION ASSESSMENT REPORT (SG-1B)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4149171948/T06019734265.PDF
Size : 197 KB
Submitted By: BROADBENT & ASSOCIATES, INC. (CONTRACTOR)
Submitted: 2/25/2014

Title: MONITORING WELL INSTALLATION AND VAPOR INTRUSION ASSESSMENT REPORT (SG-1A)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2760194301/T06019734265.PDF
Size : 169 KB
Submitted By: BROADBENT & ASSOCIATES, INC. (CONTRACTOR)
Submitted: 2/25/2014

Title: MONITORING WELL INSTALLATION AND VAPOR INTRUSION ASSESSMENT REPORT (MW-6)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2248465836/T06019734265.PDF
Size : 212 KB
Submitted By: BROADBENT & ASSOCIATES, INC. (CONTRACTOR)
Submitted: 2/25/2014

Title: MONITORING WELL INSTALLATION AND VAPOR INTRUSION ASSESSMENT REPORT (MW-4)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6994790256/T06019734265.PDF
Size : 213 KB
Submitted By: BROADBENT & ASSOCIATES, INC. (CONTRACTOR)
Submitted: 2/25/2014

Title: MONITORING WELL INSTALLATION AND VAPOR INTRUSION ASSESSMENT REPORT (MW-7)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9904203295/T06019734265.PDF
Size : 178 KB
Submitted By: BROADBENT & ASSOCIATES, INC. (CONTRACTOR)
Submitted: 2/25/2014

LUST Cleanup Sites from GeoTracker Search - Documents(as of Jan 18, 2019)

Document Type: Site Documents
Size :
Document Date: 11/6/2018
Submitted By: ALEJANDRA TAYLOR (REGULATOR)
Type: CLOSURE/NO FURTHER ACTION LETTER
Submitted:
Title: STATE WATER BOARD - UNIFORM CLOSURE LETTER
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&enforcement_id=6375031

Document Type: Site Documents
Size :
Document Date: 10/25/2018
Submitted By: KAREL DETTERMAN (REGULATOR)
Type: EMAIL CORRESPONDENCE
Submitted:
Title: E-MAIL CORRESPONDENCE
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&enforcement_id=6373453

Document Type: Site Documents **Size :** 1,655 KB
Document Date: 10/4/2018 **Submitted By:** JAMES M. JACOBSEN (AUTH_RP)
Type: WELL DESTRUCTION REPORT **Submitted:**
Title: BP CA-402 WELL DESTRUCTION REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3313073217/T06019734265.PDF

Document Type: Site Documents **Size :**
Document Date: 7/23/2018 **Submitted By:** ALEJANDRA TAYLOR (REGULATOR)
Type: STATE WATER BOARD - CLOSURE ORDER **Submitted:**
Title: STATE WATER BOARD - CLOSURE ORDER
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&enforcement_id=6364907

Document Type: Site Documents **Size :**
Document Date: 3/8/2018 **Submitted By:** ERLING ROCKWELL (REGULATOR)
Type: NOTIFICATION - PUBLIC NOTICE OF CASE CLOSURE **Submitted:**
Title: ARCO #0402/PARKING LOT - 1450 FRUITVALE AVE, OAKLAND
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&enforcement_id=6350776

Document Type: Monitoring Reports **Size :** 3,255 KB
Document Date: 1/23/2018* **Submitted By:** JAMES M. JACOBSEN (AUTH_RP)
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Title: BP402 4Q17 GROUNDWATER MONITORING REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6292245686/T06019734265.PDF

Document Type: Site Documents **Size :** 2,887 KB
Document Date: 7/26/2017 **Submitted By:** JAMES M. JACOBSEN (AUTH_RP)
Type: REQUEST FOR CLOSURE **Submitted:**
Title: BP0402 2Q17 GMR & CLOSURE REQUEST
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6443307697/T06019734265.PDF

Document Type: Monitoring Reports **Size :** 3,530 KB
Document Date: 2/28/2017 **Submitted By:** JAMES M. JACOBSEN (AUTH_RP)
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Title: BP 0402 4Q16 GROUNDWATER MONITORING REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6042856574/T06019734265.PDF

Document Type: Site Documents **Size :**
Document Date: 8/30/2016 **Submitted By:** KAREL DETTERMAN (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: DIRECTIVE LETTER
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&enforcement_id=6301184

Document Type: Site Documents **Size :**
Document Date: 8/1/2016 **Submitted By:** KAREL DETTERMAN (REGULATOR)
Type: SOIL AND WATER INVESTIGATION REPORT **Submitted:**
Title: SOIL AND GROUNDWATER INVESTIGATION REPORT - REGULATOR RESPONSE
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&document_id=5888554

Document Type: Site Documents **Size :** 3,681 KB
Document Date: 7/29/2016 **Submitted By:** BROADBENT & ASSOCIATES, INC. (CONTRACTOR)
Type: SOIL AND WATER INVESTIGATION REPORT **Submitted:**
Title: SOIL AND GROUNDWATER INVESTIGATION REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8054853975/T06019734265.PDF

Document Type: Site Documents **Size :** 223 KB
Document Date: 4/29/2016 **Submitted By:** BROADBENT & ASSOCIATES, INC. (CONTRACTOR)
Type: STATUS / PROGRESS REPORTS **Submitted:**
Title: CA 402 20160429 BP - 1Q16 UPDATED QSR
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6341261446/T06019734265.PDF

Document Type: Site Documents **Size :**
Document Date: 3/11/2016 **Submitted By:** KAREL DETTERMAN (REGULATOR)
Type: REQUEST FOR CLOSURE **Submitted:**
Title: CA 402 20160311 BP - ADDENDUM CSM & CASE CLOSURE REQ. - REGULATOR RESPONSE

Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&document_id=5885373

Document Type: Site Documents **Size :** 7,703 KB
Document Date: 3/11/2016 **Submitted By:** BROADBENT & ASSOCIATES, INC. (CONTRACTOR)
Type: REQUEST FOR CLOSURE **Submitted:**
Title: CA 402 20160311 BP - ADDENDUM CSM & CASE CLOSURE REQ.
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5448381423/T06019734265.PDF

Document Type: Site Documents **Size :** 134 KB
Document Date: 3/2/2016 **Submitted By:** BROADBENT & ASSOCIATES, INC. (CONTRACTOR)
Type: CORRESPONDENCE **Submitted:**
Title: CA 402 RO0000307 20160302 BAI - REGULATORY NOTIFICATION CONTACT CHANGE LTR TO ACEH
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2662764132/T06019734265.PDF

Document Type: Monitoring Reports **Size :** 923 KB
Document Date: 1/19/2016 **Submitted By:** BROADBENT & ASSOCIATES, INC. (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 4Q 2015 GROUNDWATER MONITORING REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3465875983/T06019734265.PDF

Document Type: Site Documents **Size :**
Document Date: 1/8/2016 **Submitted By:** KAREL DETTERMAN (REGULATOR)
Type: MEETING **Submitted:**
Title: MEETING
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&enforcement_id=6272128

Document Type: Site Documents **Size :**
Document Date: 1/8/2016 **Submitted By:** KAREL DETTERMAN (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: DIRECTIVE LETTER
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&enforcement_id=6272127

Document Type: Site Documents **Size :**
Document Date: 12/18/2015 **Submitted By:** KAREL DETTERMAN (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: DIRECTIVE LETTER
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&enforcement_id=6272084

Document Type: Monitoring Reports **Size :** 503 KB
Document Date: 7/17/2015 **Submitted By:** BROADBENT & ASSOCIATES, INC. (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: SECOND QUARTER 2015 STATUS REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4492225408/T06019734265.PDF

Document Type: Site Documents **Size :** 286 KB
Document Date: 6/9/2015 **Submitted By:** BROADBENT & ASSOCIATES, INC. (CONTRACTOR)
Type: CORRESPONDENCE **Submitted:**
Title: LIST OF LAND OWNER FORM
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8906394720/T06019734265.PDF

Document Type: Site Documents **Size :** 26 KB
Document Date: 5/15/2015 **Submitted By:** BROADBENT & ASSOCIATES, INC. (CONTRACTOR)
Type: CORRESPONDENCE **Submitted:**
Title: CORRESPONDENCE-CHANGE OF ADDRESS
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3601957857/T06019734265.PDF

Document Type: Site Documents **Size :**
Document Date: 5/11/2015 **Submitted By:** KAREL DETTERMAN (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: DIRECTIVE LETTER
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&enforcement_id=6244809

Document Type: Monitoring Reports **Size :** 2,327 KB

Document Date: 4/30/2015 **Submitted By:** BROADBENT & ASSOCIATES, INC. (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: FIRST QUARTER 2015 GROUNDWATER MONITORING REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9940268814/T06019734265.PDF

Document Type: Site Documents **Size :** 7,265 KB
Document Date: 3/12/2015 **Submitted By:** BROADBENT & ASSOCIATES, INC. (CONTRACTOR)
Type: REQUEST FOR CLOSURE **Submitted:**
Title: CONCEPTUAL SITE MODEL, SENSITIVE RECEPTOR SURVEY AND CASE CLOSURE REQUEST
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3914207220/T06019734265.PDF

Document Type: Site Documents **Size :** 874 KB
Document Date: 1/15/2015 **Submitted By:** BROADBENT & ASSOCIATES, INC. (CONTRACTOR)
Type: STATUS / PROGRESS REPORTS **Submitted:**
Title: FOURTH QUARTER 2014 STATUS REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2781852066/T06019734265.PDF

Document Type: Monitoring Reports **Size :** 2,319 KB
Document Date: 10/31/2014 **Submitted By:** BROADBENT & ASSOCIATES, INC. (CONTRACTOR)
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Title: THIRD QUARTER 2014 MONITORING REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9502326309/T06019734265.PDF

Document Type: Monitoring Reports **Size :** 1,460 KB
Document Date: 7/31/2014 **Submitted By:** BROADBENT & ASSOCIATES, INC. (CONTRACTOR)
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Title: SECOND QUARTER GROUNDWATER MONITORING REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3429704785/T06019734265.PDF

Document Type: Monitoring Reports **Size :** 4,113 KB
Document Date: 4/30/2014 **Submitted By:** BROADBENT & ASSOCIATES, INC. (CONTRACTOR)
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Title: FIRST QUARTER 2014 GROUNDWATER MONITORING REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9983099400/T06019734265.PDF

Document Type: Site Documents **Size :** 16,603 KB
Document Date: 2/28/2014 **Submitted By:** BROADBENT & ASSOCIATES, INC. (CONTRACTOR)
Type: SITE ASSESSMENT REPORT **Submitted:**
Title: MONITORING WELL INSTALLATION AND VAPOR INTRUSION ASSESSMENT REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3622399508/T06019734265.PDF

Document Type: Site Documents **Size :** 781 KB
Document Date: 1/24/2014 **Submitted By:** BROADBENT & ASSOCIATES, INC. (CONTRACTOR)
Type: STATUS / PROGRESS REPORTS **Submitted:**
Title: CA 402 20140124 BP - 4Q13 QSR
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2054322719/T06019734265.PDF

Document Type: Site Documents **Size :** 787 KB
Document Date: 10/15/2013 **Submitted By:** BROADBENT & ASSOCIATES, INC. (CONTRACTOR)
Type: STATUS / PROGRESS REPORTS **Submitted:**
Title: CA 402 20131015 BP - 3Q13 QSR
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5739305615/T06019734265.PDF

Document Type: Site Documents **Size :**
Document Date: 8/1/2013 **Submitted By:** DILAN ROE (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: DIR_L_2013-08-01
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&enforcement_id=6170401

Document Type: Site Documents **Size :** 81 KB

Document Date: 7/31/2013 **Submitted By:** BROADBENT & ASSOCIATES, INC. (CONTRACTOR)
Type: CORRESPONDENCE **Submitted:**
Title: CA 402 20130731 BP - ACEH EBM TRANSFER LETTER
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4804475307/T06019734265.PDF

Document Type: Site Documents **Size :** 795 KB
Document Date: 7/3/2013 **Submitted By:** BROADBENT & ASSOCIATES, INC. (CONTRACTOR)
Type: STATUS / PROGRESS REPORTS **Submitted:**
Title: CA 402 20130703 BP - 2Q13 QSR
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7709725558/T06019734265.PDF

Document Type: Site Documents **Size :** 4,031 KB
Document Date: 5/28/2013 **Submitted By:** BROADBENT & ASSOCIATES, INC. (CONTRACTOR)
Type: WELL INSTALLATION WORKPLAN **Submitted:**
Title: CA 402 20130528 BP - REV WORK PLAN FOR MONITORING WELL AND VAPOR INTRUSION ASSESSMENT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7134412646/T06019734265.PDF

Document Type: Site Documents **Size :**
Document Date: 5/28/2013 **Submitted By:** DILAN ROE (REGULATOR)
Type: WELL INSTALLATION WORKPLAN **Submitted:**
Title: CA 402 20130528 BP - REV WORK PLAN FOR MONITORING WELL AND VAPOR INTRUSION ASSESSMENT - REGULATOR RESPONSE
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&document_id=5776566

Document Type: Site Documents **Size :** 803 KB
Document Date: 4/15/2013 **Submitted By:** BROADBENT & ASSOCIATES, INC. (CONTRACTOR)
Type: STATUS / PROGRESS REPORTS **Submitted:**
Title: CA 402 20130415 BP - 1Q13 STATUS REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6452304899/T06019734265.PDF

Document Type: Site Documents **Size :**
Document Date: 2/21/2013 **Submitted By:** DILAN ROE (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: DIR_L_2013-02-21
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&enforcement_id=6150435

Document Type: Site Documents **Size :** 659 KB
Document Date: 1/25/2013 **Submitted By:** BROADBENT & ASSOCIATES, INC. (CONTRACTOR)
Type: STATUS / PROGRESS REPORTS **Submitted:**
Title: 4Q12 QSR
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9717166960/T06019734265.PDF

Document Type: Site Documents **Size :**
Document Date: 1/2/2013 **Submitted By:** DILAN ROE (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: DIR_L_2013-01-02
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&enforcement_id=6146078

Document Type: Site Documents **Size :**
Document Date: 12/31/2012 **Submitted By:** DILAN ROE (REGULATOR)
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER **Submitted:**
Title: CORRES_L_2012-12-31
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&enforcement_id=6146079

Document Type: Site Documents **Size :** 3,916 KB
Document Date: 10/31/2012 **Submitted By:** BROADBENT & ASSOCIATES, INC. (CONTRACTOR)
Type: WELL INSTALLATION WORKPLAN **Submitted:**
Title: WORK PLAN FOR MONITORING WELL INSTALLATION AND VAPOR INTRUSION ASSESSMENT 2012-10-31
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4740315258/T06019734265.PDF

Document Type: Site Documents **Size :** 3,916 KB
Document Date: 10/31/2012 **Submitted By:** BROADBENT & ASSOCIATES, INC.

(CONTRACTOR)

Type: SOIL VAPOR INTRUSION INVESTIGATION WORKPLAN **Submitted:**
Title: WORK PLAN FOR MONITORING WELL INSTALLATION AND VAPOR INTRUSION ASSESSMENT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1343292176/T06019734265.PDF

Document Type: Site Documents **Size :** 972 KB
Document Date: 10/25/2012 **Submitted By:** BROADBENT & ASSOCIATES, INC. (CONTRACTOR)
Type: STATUS / PROGRESS REPORTS **Submitted:**
Title: 3Q12 QSR
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4943326830/T06019734265.PDF

Document Type: Site Documents **Size :**
Document Date: 10/15/2012 **Submitted By:** DILAN ROE (REGULATOR)
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER **Submitted:**
Title: CORRES_L_2012-10-15
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&enforcement_id=6144925

Document Type: Site Documents **Size :**
Document Date: 10/9/2012 **Submitted By:** DILAN ROE (REGULATOR)
Type: MEETING **Submitted:**
Title: MEETING_2012-10-09
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&enforcement_id=6144916

Document Type: Site Documents **Size :**
Document Date: 10/6/2012 **Submitted By:** DILAN ROE (REGULATOR)
Type: MEETING **Submitted:**
Title: CORRES_L_2012-10-06
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&enforcement_id=6144924

Document Type: Site Documents **Size :**
Document Date: 9/14/2012 **Submitted By:** DILAN ROE (REGULATOR)
Type: MEETING **Submitted:**
Title: CORRES_L_2012-09-14
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&enforcement_id=6137924

Document Type: Site Documents **Size :**
Document Date: 9/6/2012 **Submitted By:** DILAN ROE (REGULATOR)
Type: MEETING **Submitted:**
Title: CORRES_2012-09-06
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&enforcement_id=6137921

Document Type: Site Documents **Size :**
Document Date: 8/29/2012 **Submitted By:** DILAN ROE (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: MEETING_2012-08-29
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&enforcement_id=6137920

Document Type: Site Documents **Size :** 1,052 KB
Document Date: 7/27/2012 **Submitted By:** BROADBENT & ASSOCIATES, INC. (CONTRACTOR)
Type: STATUS / PROGRESS REPORTS **Submitted:**
Title: 2Q12 QSR
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4117435514/T06019734265.PDF

Document Type: Site Documents **Size :** 2,997 KB
Document Date: 6/19/2012 **Submitted By:** BROADBENT & ASSOCIATES, INC. (CONTRACTOR)
Type: WELL INSTALLATION WORKPLAN **Submitted:**
Title: MONITORING WELL INSTALLATION WORK PLAN
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8624206483/T06019734265.PDF

Document Type: Site Documents **Size :** 864 KB
Document Date: 4/5/2012 **Submitted By:** BROADBENT & ASSOCIATES, INC. (CONTRACTOR)
Type: STATUS / PROGRESS REPORTS **Submitted:**
Title: 1Q12 QSR

Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1484404802/T06019734265.PDF

Document Type: Site Documents **Size :**
Document Date: 1/23/2012 **Submitted By:** DILAN ROE (REGULATOR)
Type: CORRESPONDENCE **Submitted:**
Title: CORRES_L_2012-01-23
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&document_id=5763556

Document Type: Site Documents **Size :** 839 KB
Document Date: 1/5/2012 **Submitted By:** BROADBENT & ASSOCIATES, INC. (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT **Submitted:**
Title: 4Q11 QSR
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6835270702/T06019734265.PDF

Document Type: Site Documents **Size :** 846 KB
Document Date: 10/5/2011 **Submitted By:** BROADBENT & ASSOCIATES, INC. (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT **Submitted:**
Title: 3Q11 QSR
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7333388566/T06019734265.PDF

Document Type: Site Documents **Size :** 1,535 KB
Document Date: 7/5/2011 **Submitted By:** BROADBENT & ASSOCIATES, INC. (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT **Submitted:**
Title: 2Q11 QSR
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9632792174/T06019734265.PDF

Document Type: Site Documents **Size :** 840 KB
Document Date: 4/15/2011 **Submitted By:** BROADBENT & ASSOCIATES, INC. (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT **Submitted:**
Title: 1Q11 QSR
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4102662444/T06019734265.PDF

Document Type: Site Documents **Size :** 873 KB
Document Date: 1/5/2011 **Submitted By:** BROADBENT & ASSOCIATES, INC. (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT **Submitted:**
Title: 4Q10 QSR
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4608994841/T06019734265.PDF

Document Type: Site Documents **Size :** 868 KB
Document Date: 10/5/2010 **Submitted By:** BROADBENT & ASSOCIATES, INC. (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT **Submitted:**
Title: 3Q10 QSR
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5941934168/T06019734265.PDF

Document Type: Site Documents **Size :** 875 KB
Document Date: 7/6/2010 **Submitted By:** BROADBENT & ASSOCIATES, INC. (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT **Submitted:**
Title: 2Q10 QSR
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5223359107/T06019734265.PDF

Document Type: Site Documents **Size :** 883 KB
Document Date: 4/5/2010 **Submitted By:** BROADBENT & ASSOCIATES, INC. (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT **Submitted:**
Title: 1Q10 QSR
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6336694180/T06019734265.PDF

Document Type: Site Documents **Size :** 874 KB
Document Date: 1/22/2010 **Submitted By:** BROADBENT & ASSOCIATES, INC. (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT **Submitted:**
Title: 4Q09 QSR

Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5214636564/T06019734265.PDF

Document Type: Site Documents **Size :** 877 KB
Document Date: 10/16/2009 **Submitted By:** BROADBENT & ASSOCIATES, INC. (CONTRACTOR)
Type: PROGRESS REPORT (SOIL/GW/ UPDATES) **Submitted:**
Title: 3Q09 QSR
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2063646614/T06019734265.PDF

Document Type: Site Documents **Size :**
Document Date: 9/15/2009 **Submitted By:** DILAN ROE (REGULATOR)
Type: CORRESPONDENCE **Submitted:**
Title: CORRES_L_2009-09-15
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&document_id=5763557

Document Type: Site Documents **Size :**
Document Date: 7/24/2009 **Submitted By:** PARESH KHATRI (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: DIR_L_2009-07-24
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&enforcement_id=6025093

Document Type: Site Documents **Size :** 395 KB
Document Date: 7/7/2009 **Submitted By:** BROADBENT & ASSOCIATES, INC. (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT **Submitted:**
Title: 2Q09 QSR
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3303615748/T06019734265.PDF

Document Type: Site Documents **Size :** 396 KB
Document Date: 4/30/2009 **Submitted By:** BROADBENT & ASSOCIATES, INC. (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT **Submitted:**
Title: 1Q09 QSR
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3372915983/T06019734265.PDF

Document Type: Site Documents **Size :** 415 KB
Document Date: 1/30/2009 **Submitted By:** BROADBENT & ASSOCIATES, INC. (CONTRACTOR)
Type: OTHER REPORT / DOCUMENT **Submitted:**
Title: 4Q08 QSR
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4763299107/T06019734265.PDF

Document Type: Site Documents **Size :**
Document Date: 12/11/2008 **Submitted By:** DILAN ROE (REGULATOR)
Type: CORRESPONDENCE **Submitted:**
Title: CORRES_L_2008-12-11
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&document_id=5740403

Document Type: Site Documents **Size :**
Document Date: 10/29/2008 **Submitted By:** DILAN ROE (REGULATOR)
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER **Submitted:**
Title: PHONE_LOG_2008-10-29
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&enforcement_id=6126542

Document Type: Site Documents **Size :**
Document Date: 10/16/2008 **Submitted By:** MYLE DANH (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: DIR_L_2008-10-16
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&enforcement_id=5990848

Document Type: Site Documents **Size :**
Document Date: 9/4/2008 **Submitted By:** DILAN ROE (REGULATOR)
Type: CORRESPONDENCE **Submitted:**
Title: CORRES_L_2008-09-04
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&document_id=5740404

Document Type: Site Documents **Size :**
Document Date: 7/28/2008 **Submitted By:** DILAN ROE (REGULATOR)

Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER **Submitted:**
Title: CORRES_L_2008-07-28
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&enforcement_id=6126546

Document Type: Site Documents **Size :**
Document Date: 7/22/2008 **Submitted By:** DILAN ROE (REGULATOR)
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER **Submitted:**
Title: PHONE_LOG_2008-07-22
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&enforcement_id=6126541

Document Type: Site Documents **Size :**
Document Date: 7/9/2008 **Submitted By:** MYLE DANH (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: DIR_L_2008-07-09
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&enforcement_id=5980798

Document Type: Site Documents **Size :**
Document Date: 6/22/2008 **Submitted By:** DILAN ROE (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: DIR_L_1999-2008
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&enforcement_id=6126539

Document Type: Site Documents **Size :**
Document Date: 6/20/2008 **Submitted By:** DILAN ROE (REGULATOR)
Type: CORRESPONDENCE **Submitted:**
Title: CORRES_L_2008-06-20
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&document_id=5740407

Document Type: Site Documents **Size :**
Document Date: 7/28/2006 **Submitted By:** DILAN ROE (REGULATOR)
Type: CORRESPONDENCE **Submitted:**
Title: EXT_RQ_L_2006-07-28
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&document_id=5740408

Document Type: Site Documents **Size :**
Document Date: 6/22/2006 **Submitted By:** DILAN ROE (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: DIR_L_2006-06-22
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&enforcement_id=6126538

Document Type: Site Documents **Size :**
Document Date: 8/12/2005 **Submitted By:** DILAN ROE (REGULATOR)
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER **Submitted:**
Title: PHONE_LOG_2005-08-12
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&enforcement_id=6126543

Document Type: Site Documents **Size :**
Document Date: 7/15/1999 **Submitted By:** DILAN ROE (REGULATOR)
Type: NOTICE OF RESPONSIBILITY **Submitted:**
Title: NOR_L_1999-07-15
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019734265&enforcement_id=6126540

45	1 of 1	SSE	0.26 / 1,353.35	31.38 / -6	STATE SHINGLE 880 FRUITVALE OAKLAND CA 94601	LUST

Global ID: T0600101314 **County:** ALAMEDA
Status: COMPLETED - CASE CLOSED **Latitude:** 37.7743693
Status Date: 1997-01-03 00:00:00 **Longitude:** -122.2274362
Case Type: LUST CLEANUP SITE
Date Source: LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case Number:	01-1423	***Potential COC:***	Gasoline
Local Case Number:	RO0001109	***How Discovered:***	Other Means
Begin Date:	1990-05-30 00:00:00	***Stop Method:***	Other Means
Lead Agency:	ALAMEDA COUNTY LOP	***Stop Description:***	
Local Agency:		***Case Worker:***	
CUF Case:	YES	***File Location:***	All Files are on GeoTracker or in the Local Agency Database

Potential Media of Concern: Other Groundwater (uses other than drinking water)
How Discovered Description:
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
DWR GW Subbasin Name: Santa Clara Valley - East Bay Plain (2-009.04)
Disadvantaged Community:
Site History:

Regulatory Activity

Action Type: REMEDIATION
Date : 9999-09-09 00:00:00
Action: Excavation

Action Type: Other
Date : 1990-05-30 00:00:00
Action: Leak Reported

Regulatory Contacts

Contact Type:	Regional Board Caseworker	***Address:***	1515 CLAY ST SUITE 1400
Contact Name:	Regional Water Board	***Email:***	
City:	OAKLAND	***Phone Number:***	

Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)

Status History

Status: Completed - Case Closed
Status Date: 1997-01-03 00:00:00

Status: Open - Case Begin Date
Status Date: 1990-05-30 00:00:00

LUST Cleanup Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)

Site Facility Name:	STATE SHINGLE	***Address:***	880 FRUITVALE
Site Facility Type:	LUST CLEANUP SITE	***City:***	OAKLAND
Cleanup Status:	COMPLETED - CASE CLOSED	***Zip:***	94601
Project Status:		***County:***	ALAMEDA
Potential COC:	GASOLINE	***CUF Claim:***	640
WDR Place Type:		***CUF Priority Assig:***	C
WDR File:		***CUF Amount Paid:***	$129,464
WDR Order:			

File Location: ALL FILES ARE ON GEOTRACKER OR IN THE LOCAL AGENCY DATABASE
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: http://geotracker.waterboards.ca.gov/profile_report?global_id=T0600101314
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 1/3/1997
Cleanup History Link: http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0600101314&tabname=regulatoryhistory
Potential Media Of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
User Defined Beneficial Use: GW - MUNICIPAL AND DOMESTIC SUPPLY
DWR GW Sub Basin: Santa Clara Valley - East Bay Plain (2-009.04)
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: ALAMEDA COUNTY LOP (LEAD) - CASE #: RO0001109
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 01-1423

CASEWORKER: Regional Water Board

Site History:

No site history available

LUST Cleanup Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)

Status: Completed - Case Closed
Date : 1/3/1997

Status: Open - Case Begin Date
Date : 5/30/1990

LUST Cleanup Sites from GeoTracker Search - Cleanup Action(as of Jan 18, 2019)

Action Type: EXCAVATION
Phase:
Contaminant Mass Removed:
Description:
Begin Date: 9/9/9999
End Date: 9/9/9999

LUST Cleanup Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)

Action Type: Cleanup Action
Action Date: 9/9/9999
Received Issue Date:
Action: Excavation
Doc Link:

Action Type: Leak Action
Action Date: 5/30/1990
Received Issue Date:
Action: Leak Reported
Doc Link:

46	1 of 1	SSE	0.26 / 1,362.29	30.84 / -7	STATE SHINGLE 880 FRUITVALE AVE Oakland CA 94601	ALAMEDA LOP

Record ID: RO0001109
Alt Record ID: SD0001109
Program: LUST
Release Type: UST
Site Contact: CHAN, BARNEY
RP Identification Date:
GIS Latitude: 37.7742746467
GIS Longitude: -122.2272968368
Data Source: Local Oversight Program Detailed Inventory; Local Oversight Program Inventory

--Details--
Program Element: 5602
Status: 9
Status Desc: Case closed
Substance: 8006619
Org Name: STATE SINGLE CO
Description 1: Case Closed
Description 2: Property/Fee Title Owner
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 9

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status Desc:	Case closed
Substance:	8006619
Org Name:	ALAMEDA COUNTY LOP
Description 1:	Case Closed
Description 2:	Not Applicable
Description 3:	Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4:	RP Identified & Solvent
Description 5:	Other Groundwater affected (uses other than drinking water)
Description 6:	Substance released from Underground Storage Tank System
Program Element:	5602
Status:	9
Status Desc:	Case closed
Substance:	8006619
Org Name:	SOUTHERN PACIFIC TRANS CO
Description 1:	Case Closed
Description 2:	Business Owner
Description 3:	Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4:	RP Identified & Solvent
Description 5:	Other Groundwater affected (uses other than drinking water)
Description 6:	Substance released from Underground Storage Tank System

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
47	1 of 1	SE	0.26 / 1,372.96	32.90 / -5	3229 San Leandro Street 3229 San Leandro Street Oakland CA 94601	FED BROWNFIELDS

Type of Funding:	Hazardous & Petroleum
Acres Property ID:	123050
Property Size(Acres):	.2
Local Property No:	033-2186-003-01
Ownership Entity:	Private
Current Owner:	
Did Ownership Change:	N
Sfllp Fact into the Owship:	N
Latitude:	37.774767
Longitude:	-122.226374
Horizontal Collection Mthd:	
Source Map Scale:	
Reference Point:	
Horiz Reference Datum:	
Cleanup Required:	U
Cntmnt Fnd Ctrl Sbstncs:	
Cntmnt Fnd Petroleum:	Y
Cntmnt Fnd Asbestos:	
Cntmnt Fnd Lead:	
Cntmnt Fnd Pahs:	
Cntmnt Fnd Pcbs:	
Cntmnt Fnd Vocs:	Yes
Cntmnt Fnd Selenium:	
Cntmnt Fnd Iron:	
Cntmnt Fnd Arsenic:	
Cntmnt Fnd Cadmium:	
Cntmnt Fnd Chromium:	
Cntmnt Fnd Copper:	
Cntmnt Fnd Mercury:	
Cntmnt Fnd Nickel:	
Cntmnt Fnd Pesticides:	
Cntmnt Fnd Svocs:	
Cntmnt Fnd Other Metals:	Y
Cntmnt Fnd Other:	Yes
Cntmnt Fnd Other Descr :	pesticides
Cntmnt Fnd Unknown:	
Cntmnt Fnd None:	
Cntmnt Clnd Up Ctl Sbst:	
Cntmnt Clnd Up Petroleum:	
Cntmnt Clnd Up Asbestos:	
Cntmnt Clnd Up Lead:	

Cntmnt Clnd Up PAHs:	
Cntmnt Clnd Up PCBs:	
Cntmnt Clnd Up VOCs:	
Cntmnt Clnd Up Selenium:	
Cntmnt Clnd Up Iron:	
Cntmnt Clnd Up Arsenic:	
Cntmnt Clnd Up Cadmium:	
Cntmnt Clnd Up Chromium:	
Cntmnt Clnd Up Copper:	
Cntmnt Clnd Up Mercury:	
Cntmnt Clnd Up Nickel:	
Cntmnt Clnd Up Pesticides:	
Cntmnt Clnd Up Svocs:	
Cntmnt Clnd Oth Metals:	
Cntmnt Clnd Up Other:	
Cntmnt Clnd Up Oth Desc:	
Cntmnt Clnd Up Unknown:	
Cntmnt Clnd Up None:	
Media Affected Air:	
Media Affected Sediments:	
Media Affected Soil:	Y
Media Affect Drnking Wtr:	
Media Affected Grnd Wtr:	
Media Affctd Surf Wtr:	
Media Affctd Bldg Matrls:	
Media Affected Indoor Air:	
Media Affected None:	
Media Affected Unknown:	
Media Clnd Up Air:	
Media Clnd Up Sediments:	
Media Clnd Up Soil:	
Media Clnd Up Drnk Wtr:	
Media Clnd Up Grnd Wtr:	
Media Clnd Up Surf Wtr:	
Media Clnd Up Bldg Mats:	
Media Clnd Up Indoor Air:	
Media Clnd Up Unknown:	
St Tribal Prg ID No:	
Further Action Cleanup:	
Enrollment St Tribal Prg:	
Institutional Ctrl ICs Req:	N
IC Catgry Proprietary Ctrls:	
IC Catgry Informational Dev:	
IC Catgry Govmntal Ctrls:	
IC Catgry Enfrc Prmt Tls:	
ICs in Place:	
Date ICs in Place:	
Photographs are Available:	N
Video is Available:	N
Description History:	

--Details--

Grant Recipient Name:	Oakland, City of
Accomplishment Counted:	1
Cooperative Agrment No:	96990101
Type Brownfields Grant:	Assessment
Assessment Phase:	Phase I Environmental Assessment
Assessment Start Date:	05/22/2009 00:00:00
Assessment Compltn Dt:	10/09/2009 00:00:00
Srce of Assessment Fund:	US EPA - Brownfields Assessment Cooperative Agreement
Entity Prov Assmnt Fund:	EPA
Assessment Funding Amt:	4518
Cleanup Start Date:	
Cleanup Completion Date:	
Acres Cleaned Up:	
Cleanup Funding Source:	
Entity Prvd Cleanup Fund:	
Cleanup Funding Amount:	

Redevelopment Start Dt:	
No of Clnup/Redev Jobs:	
Acre/Grnspace Created:	
Src of Redev Funding:	
Entity Prvd Redev Funds:	
Redev Funding Amount:	
Highlights:	
IC Data Address:	
Redev Completion Date:	
Past Use Greenspace Arces:	
Past Use Residential Arces:	
Past Use Commercial Arces:	
Past Use Industrial Arces:	
Past Use Multistory Arces:	
Future Use Multistory Arces:	
Future Use Greenspace:	
Future Use Residential:	
Future Use Commercial:	
Future Use Industrial:	
2010 Below Poverty No:	2542
2010 Below Poverty Pct:	26.5%
2010 Median Income:	9522
2010 Low Income No:	4975
2010 Low Income Pct:	51.8%
2010 Vacant Housing No:	422
2010 Vac Housing Pct:	12.7%
2010 Unemployed No:	686
2010 Unemployed:	7.1%

Grant Recipient Name:	Oakland, City of
Accomplishment Counted:	0
Cooperative Agrment No:	96990101
Type Brownfields Grant:	Assessment
Assessment Phase:	Phase II Environmental Assessment
Assessment Start Date:	08/01/2009 00:00:00
Assessment Compltn Dt:	10/16/2009 00:00:00
Srce of Assessment Fund:	US EPA - Brownfields Assessment Cooperative Agreement
Entity Prov Assmnt Fund:	EPA
Assessment Funding Amt:	23033
Cleanup Start Date:	
Cleanup Completion Date:	
Acres Cleaned Up:	
Cleanup Funding Source:	
Entity Prvd Cleanup Fund:	
Cleanup Funding Amount:	
Redevelopment Start Dt:	
No of Clnup/Redev Jobs:	
Acre/Grnspace Created:	
Src of Redev Funding:	
Entity Prvd Redev Funds:	
Redev Funding Amount:	
Highlights:	
IC Data Address:	
Redev Completion Date:	
Past Use Greenspace Arces:	
Past Use Residential Arces:	
Past Use Commercial Arces:	
Past Use Industrial Arces:	
Past Use Multistory Arces:	
Future Use Multistory Arces:	
Future Use Greenspace:	
Future Use Residential:	
Future Use Commercial:	
Future Use Industrial:	
2010 Below Poverty No:	2542
2010 Below Poverty Pct:	26.5%
2010 Median Income:	9522
2010 Low Income No:	4975
2010 Low Income Pct:	51.8%

2010 Vacant Housing No:	422
2010 Vac Housing Pct:	12.7%
2010 Unemployed No:	686
2010 Unemployed:	7.1%

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
48	1 of 1	NNW	0.27 / 1,407.12	38.24 / 0	ST JOSEPH'S PROFESSIONAL CENTER 2647 INTERNATIONAL OAKLAND CA 94601	LUST

Global ID:	T0600102014	**County:**	ALAMEDA
Status:	COMPLETED - CASE CLOSED	**Latitude:**	37.7810353
Status Date:	1997-05-08 00:00:00	**Longitude:**	-122.2319886
Case Type:	LUST CLEANUP SITE		
Date Source:	LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download		

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case Number:	01-2192	**Potential COC:**	Diesel
Local Case Number:	RO0000687	**How Discovered:**	Other Means
Begin Date:	1995-10-30 00:00:00	**Stop Method:**	Other Means
Lead Agency:	ALAMEDA COUNTY LOP	**Stop Description:**	
Local Agency:		**Case Worker:**	
CUF Case:	NO	**File Location:**	All Files are on GeoTracker or in the Local Agency Database
Potential Media of Concern:	Other Groundwater (uses other than drinking water)		
How Discovered Description:			
Calwater Watershed Name:	South Bay - East Bay Cities (204.20)		
DWR GW Subbasin Name:	Santa Clara Valley - East Bay Plain (2-009.04)		
Disadvantaged Community:			
Site History:			

Regulatory Activity

Action Type:	REMEDIATION
Date :	9999-09-09 00:00:00
Action:	
Action Type:	Other
Date :	1995-10-30 00:00:00
Action:	Leak Reported

Regulatory Contacts

Contact Type:	Regional Board Caseworker	**Address:**	1515 CLAY ST SUITE 1400
Contact Name:	Regional Water Board	**Email:**	
City:	OAKLAND	**Phone Number:**	
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)		

Status History

Status:	Completed - Case Closed
Status Date:	1997-05-08 00:00:00
Status:	Open - Case Begin Date
Status Date:	1995-10-30 00:00:00

LUST Cleanup Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Site Facility Name:	ST JOSEPH'S PROFESSIONAL CENTER	**Address:**	2647 INTERNATIONAL
Site Facility Type:	LUST CLEANUP SITE	**City:**	OAKLAND
Cleanup Status:	COMPLETED - CASE CLOSED	**Zip:**	94601
Project Status:		**County:**	ALAMEDA
Potential COC:	DIESEL	**CUF Claim:**	
WDR Place Type:		**CUF Priority Assig:**	
WDR File:		**CUF Amount Paid:**	
WDR Order:			

File Location: ALL FILES ARE ON GEOTRACKER OR IN THE LOCAL AGENCY DATABASE
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: http://geotracker.waterboards.ca.gov/profile_report?global_id=T0600102014
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 5/8/1997
Cleanup History Link: http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0600102014&tabname=regulatoryhistory
Potential Media Of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
User Defined Beneficial Use:
DWR GW Sub Basin: Santa Clara Valley - East Bay Plain (2-009.04)
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: ALAMEDA COUNTY LOP (LEAD) - CASE #: RO0000687
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 01-2192
CASEWORKER: Regional Water Board
Site History:

No site history available

LUST Cleanup Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)

Status: Completed - Case Closed
Date : 5/8/1997

Status: Open - Case Begin Date
Date : 10/30/1995

LUST Cleanup Sites from GeoTracker Search - Cleanup Action(as of Jan 18, 2019)

Action Type:	UNKNOWN	**Begin Date:**	9/9/9999
Phase:		**End Date:**	9/9/9999
Contaminant Mass Removed:			
Description:			

LUST Cleanup Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)

Action Type: Cleanup Action
Action Date: 9/9/9999
Received Issue Date:
Action:
Doc Link:

Action Type: Leak Action
Action Date: 10/30/1995
Received Issue Date:
Action: Leak Reported
Doc Link:

49	1 of 1	SW	0.29 / 1,524.30	21.98 / -16	LEMOINE COLD STORAGE 630 29TH OAKLAND CA 94601	LUST

Global ID:	T0600102114	**County:**	ALAMEDA
Status:	COMPLETED - CASE CLOSED	**Latitude:**	37.77475
Status Date:	2014-01-21 00:00:00	**Longitude:**	-122.233587
Case Type:	LUST CLEANUP SITE		

Date Source: LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case Number: 01-2298
Local Case Number: RO0000334
Begin Date: 1996-11-21 00:00:00
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Local Agency:
CUF Case: NO
Potential COC: Gasoline
How Discovered: Tank Closure
Stop Method: Close and Remove Tank
Stop Description:
Case Worker: MYM
File Location: All Files are on GeoTracker or in the Local Agency Database

Potential Media of Concern: Other Groundwater (uses other than drinking water)
How Discovered Description:
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
DWR GW Subbasin Name: Santa Clara Valley - East Bay Plain (2-009.04)
Disadvantaged Community:
Site History:

In November 1996, one 1,000-gallon UST and associated piping were removed. Site investigations were conducted at several times between 1997 and 1999. A risk assessment and receptor survey were performed in 2001. An ORC injection pilot study was performed in 2005. Soil, soil vapor, and groundwater sampling was condcuted in 2009. Not all historic documents for the fuel leak case may be available on GeoTracker. A more complete historic case file for this site is located on the Alameda County Environmental Health website at: http://ehgis.acgov.org/dehpublic/dehpublic.jsp

Regulatory Activity

Action Type: ENFORCEMENT
Date : 2014-01-22 00:00:00
Action: Closure/No Further Action Letter

Action Type: RESPONSE
Date : 2013-12-31 00:00:00
Action: Well Destruction Report

Action Type: ENFORCEMENT
Date : 2013-10-18 00:00:00
Action: 13267 Requirement

Action Type: ENFORCEMENT
Date : 2013-04-15 00:00:00
Action: File Review - Closure

Action Type: ENFORCEMENT
Date : 2013-02-04 00:00:00
Action: Notification - Public Notice of Case Closure

Action Type: ENFORCEMENT
Date : 2012-05-31 00:00:00
Action: Referral to Regional Board - #20120531

Action Type: ENFORCEMENT
Date : 2010-03-17 00:00:00
Action: Technical Correspondence / Assistance / Other - #20100317

Action Type: ENFORCEMENT
Date : 2009-11-20 00:00:00
Action: Staff Letter - #20091120

Action Type: ENFORCEMENT
Date : 2009-07-23 00:00:00
Action: Staff Letter - #20090723

Action Type: ENFORCEMENT
Date : 2009-03-24 00:00:00
Action: Staff Letter - #20090324

Action Type: ENFORCEMENT
Date : 2008-11-12 00:00:00
Action: Technical Correspondence / Assistance / Other - #20081112

Action Type: REMEDIATION
Date : 2005-03-01 00:00:00
Action: In Situ Biological Treatment

Action Type: ENFORCEMENT
Date : 2002-04-08 00:00:00
Action: Staff Letter - #20020408

Action Type: Other
Date : 1996-12-04 00:00:00
Action: Leak Reported

Action Type: Other
Date : 1996-11-21 00:00:00
Action: Leak Discovery

Action Type: Other
Date : 1996-11-21 00:00:00
Action: Leak Stopped

Action Type: RESPONSE
Date : 1996-10-10 00:00:00
Action: Correspondence

Regulatory Contacts

Contact Type: Regional Board Caseworker
Contact Name: MARTIN MUSONGE
City: OAKLAND
Address: 1515 CLAY STREET
Email: martin.musonge@waterboards.ca.gov
Phone Number:
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)

Status History

Status: Completed - Case Closed
Status Date: 2014-01-21 00:00:00

Status: Open - Eligible for Closure
Status Date: 2013-02-14 00:00:00

Status: Open - Site Assessment
Status Date: 1996-12-04 00:00:00

Status: Open - Case Begin Date
Status Date: 1996-11-21 00:00:00

LUST Cleanup Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)

Site Facility Name: LEMOINE COLD STORAGE
Site Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Project Status:
Potential COC: GASOLINE
WDR Place Type:
WDR File:
WDR Order:
Address: 630 29TH
City: OAKLAND
Zip: 94601
County: ALAMEDA
CUF Claim:
CUF Priority Assig:
CUF Amount Paid:
File Location: ALL FILES ARE ON GEOTRACKER OR IN THE LOCAL AGENCY DATABASE
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: http://geotracker.waterboards.ca.gov/profile_report?global_id=T0600102114
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 1/21/2014
Cleanup History Link: http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0600102114&tabname=regulatoryhistory

Potential Media Of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
User Defined Beneficial Use: GW - MUNICIPAL AND DOMESTIC SUPPLY
DWR GW Sub Basin: Santa Clara Valley - East Bay Plain (2-009.04)
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
Post Closure Site Management: NO EXCAVATION OF CONTAMINATED SOILS WITHOUT AGENCY REVIEW AND APPROVAL
NO GROUNDWATER EXTRACTION AT ANY DEPTH WITHOUT APPROVAL
NOTIFY PRIOR TO CHANGE IN LAND USE
NOTIFY PRIOR TO SUBSURFACE WORK
Future Land Use:
Cleanup Oversight Agencies: ALAMEDA COUNTY LOP (LEAD) - CASE #: RO0000334
SAN FRANCISCO BAY RWQCB (REGION 2) (LEAD) - CASE #: 01-2298
CASEWORKER: MARTIN MUSONGE

Site History:

In November 1996, one 1,000-gallon UST and associated piping were removed. Site investigations were conducted at several times between 1997 and 1999. A risk assessment and receptor survey were performed in 2001. An ORC injection pilot study was performed in 2005. Soil, soil vapor, and groundwater sampling was condcuted in 2009.

Not all historic documents for the fuel leak case may be available on GeoTracker. A more complete historic case file for this site is located on the Alameda County Environmental Health website at: http://ehgis.acgov.org/dehpublic/dehpublic.jsp

LUST Cleanup Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)

Status: Completed - Case Closed
Date : 1/21/2014

Status: Open - Eligible for Closure
Date : 2/14/2013

Status: Open - Site Assessment
Date : 12/4/1996

Status: Open - Case Begin Date
Date : 11/21/1996

LUST Cleanup Sites from GeoTracker Search - Cleanup Action(as of Jan 18, 2019)

Action Type: IN SITU BIOLOGICAL TREATMENT **Begin Date:** 3/1/2005
Phase: Water **End Date:** 6/30/2005
Contaminant Mass Removed:
Description: ORC injection pilot study

LUST Cleanup Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)

Action Type: Other Regulatory Actions
Action Date: 1/22/2014
Received Issue Date: 1/22/2014
Action: Closure/No Further Action Letter
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600102114&enforcement_id=6189654&tempt able=ENFORCEMENT

Action Type: Response Requested - Reports
Action Date: 12/31/2013
Received Issue Date: 10/29/2013
Action: Well Destruction Report
Doc Link:

Action Type: Enforcement/Orders
Action Date: 10/18/2013
Received Issue Date: 10/18/2013
Action: 13267 Requirement
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600102114&enforcement_id=6179708&tempt able=ENFORCEMENT

Action Type: Other Regulatory Actions

Action Date: 4/15/2013
Received Issue Date: 4/15/2013
Action: File Review - Closure
Doc Link:

Action Type: Notices
Action Date: 2/4/2013
Received Issue Date: 2/4/2013
Action: Notification - Public Notice of Case Closure
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600102114&enforcement_id=6151925&temptable=ENFORCEMENT

Action Type: Referral to Other Agency
Action Date: 5/31/2012
Received Issue Date: 5/31/2012
Action: Referral to Regional Board - #20120531
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600102114&enforcement_id=6123531&temptable=ENFORCEMENT

Action Type: Other Regulatory Actions
Action Date: 3/17/2010
Received Issue Date: 3/17/2010
Action: Technical Correspondence / Assistance / Other - #20100317
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600102114&enforcement_id=6121541&temptable=ENFORCEMENT

Action Type: Other Regulatory Actions
Action Date: 11/20/2009
Received Issue Date: 11/20/2009
Action: Staff Letter - #20091120
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600102114&enforcement_id=6036136&temptable=ENFORCEMENT

Action Type: Other Regulatory Actions
Action Date: 7/23/2009
Received Issue Date: 7/23/2009
Action: Staff Letter - #20090723
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600102114&enforcement_id=6025420&temptable=ENFORCEMENT

Action Type: Other Regulatory Actions
Action Date: 3/24/2009
Received Issue Date: 3/24/2009
Action: Staff Letter - #20090324
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600102114&enforcement_id=6008240&temptable=ENFORCEMENT

Action Type: Other Regulatory Actions
Action Date: 11/12/2008
Received Issue Date: 11/12/2008
Action: Technical Correspondence / Assistance / Other - #20081112
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600102114&enforcement_id=5993379&temptable=ENFORCEMENT

Action Type: Cleanup Action
Action Date: 3/1/2005
Received Issue Date:
Action: In Situ Biological Treatment
Doc Link:

Action Type: Other Regulatory Actions
Action Date: 4/8/2002
Received Issue Date: 4/8/2002
Action: Staff Letter - #20020408
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600102114&enforcement_id=6123532&temptable=ENFORCEMENT

Action Type: Leak Action
Action Date: 12/4/1996

Received Issue Date:
Action: Leak Reported
Doc Link:

Action Type: Leak Action
Action Date: 11/21/1996
Received Issue Date:
Action: Leak Stopped
Doc Link:

Action Type: Leak Action
Action Date: 11/21/1996
Received Issue Date:
Action: Leak Discovery
Doc Link:

Action Type: Response Requested - Other
Action Date: 10/10/1996
Received Issue Date: 10/10/1996
Action: Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600102114&doc_id=5737981

LUST Cleanup Sites from GeoTracker Search - Site Maps(as of Jan 18, 2019)

Title: GEO_MAP
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/8604978263/T0600102114.pdf
Size : 67 KB
Submitted By: JEREMY WILSON (AUTH_RP)
Submitted: 2/7/2002

LUST Cleanup Sites from GeoTracker Search - Documents(as of Jan 18, 2019)

Document Type: Site Documents ***Size :***
Document Date: 1/22/2014 ***Submitted By:*** MARTIN Y. MUSONGE (REGULATOR)
Type: CLOSURE/NO FURTHER ACTION LETTER ***Submitted:***
Title: TRANSMITTAL OF SITE CLOSURE PACKAGE
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600102114&enforcement_id=6189654

Document Type: Site Documents ***Size :*** 13,047 KB
Document Date: 10/29/2013 ***Submitted By:*** TIMOTHY G BODKIN (AUTH_RP)
Type: REQUEST FOR CLOSURE ***Submitted:***
Title: FORMER LEMOINE COLD STORAGE WELL DESTRUCTION REPORT - APPENDIX D
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5798928439/T0600102114.PDF

Document Type: Site Documents ***Size :*** 20,194 KB
Document Date: 10/28/2013* ***Submitted By:*** TIMOTHY G BODKIN (AUTH_RP)
Type: REQUEST FOR CLOSURE ***Submitted:***
Title: FORMER LEMOINE COLD STORAGE WELL DESTRUCTION REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6849084079/T0600102114.PDF

Document Type: Site Documents ***Size :***
Document Date: 10/18/2013 ***Submitted By:*** MARTIN Y. MUSONGE (REGULATOR)
Type: 13267 REQUIREMENT ***Submitted:***
Title: REQUIREMENT FOR A TECHNICAL FOR A WELL DESTRUCTION REPORT
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600102114&enforcement_id=6179708

Document Type: Site Documents ***Size :***
Document Date: 2/4/2013 ***Submitted By:*** MARTIN Y. MUSONGE (REGULATOR)
Type: NOTIFICATION - PUBLIC NOTICE OF CASE CLOSURE ***Submitted:***
Title: NOTICE OF INTENT TO ISSUE A NO-FURTHER-ACTION LETTER
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600102114&enforcement_id=6151925

Document Type: Site Documents ***Size :***
Document Date: 5/31/2012 ***Submitted By:*** JERRY WICKHAM (REGULATOR)
Type: REFERRAL TO REGIONAL BOARD ***Submitted:***
Title: REFERRAL TO REGIONAL BOARD

Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600102114&enforcement_id=6123531

Document Type: Site Documents **Size :**
Document Date: 3/17/2010 **Submitted By:** JERRY WICKHAM (REGULATOR)
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER **Submitted:**
Title: CORRES_L_2010-03-17
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600102114&enforcement_id=6121541

Document Type: Site Documents **Size :**
Document Date: 11/20/2009 **Submitted By:** MYLE DANH (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: DIR_L_2009-11-20
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600102114&enforcement_id=6036136

Document Type: Monitoring Reports **Size :** 9,085 KB
Document Date: 9/28/2009 **Submitted By:** JEREMY WILSON (AUTH_RP)
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Title: THIRD QUARTER 2009 GROUNDWATER MONITORING REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5021166145/T0600102114.PDF

Document Type: Site Documents **Size :** 27,450 KB
Document Date: 9/17/2009 **Submitted By:** JEREMY WILSON (AUTH_RP)
Type: SOIL AND WATER INVESTIGATION REPORT **Submitted:**
Title: ADDITIONAL SUBSURFACE INVESTIGATION REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3703057825/T0600102114.PDF

Document Type: Site Documents **Size :**
Document Date: 7/23/2009 **Submitted By:** JERRY WICKHAM (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: DIR_L_GW MON
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600102114&enforcement_id=6025420

Document Type: Monitoring Reports **Size :** 5,747 KB
Document Date: 4/27/2009 **Submitted By:** JEREMY WILSON (AUTH_RP)
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Title: FIRST QUARTER 2009 GROUNDWATER MONITORING REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4401949226/T0600102114.PDF

Document Type: Site Documents **Size :**
Document Date: 3/24/2009 **Submitted By:** MYLE DANH (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: DIR_L
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600102114&enforcement_id=6008240

Document Type: Monitoring Reports **Size :** 4,515 KB
Document Date: 1/22/2009 **Submitted By:** JEREMY WILSON (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: FOURTH QUARTER GROUNDWATER MONITORING REPORT 2008
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7185085475/T0600102114.PDF

Document Type: Site Documents **Size :**
Document Date: 11/12/2008 **Submitted By:** MYLE DANH (REGULATOR)
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER **Submitted:**
Title: DIR_L
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600102114&enforcement_id=5993379

Document Type: Monitoring Reports **Size :** 5,902 KB
Document Date: 11/10/2008 **Submitted By:** JEREMY WILSON (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: THIRD QUARTER 2008 GROUNDWATER MONITORING REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5556087672/T0600102114.PDF

Document Type: Monitoring Reports **Size :** 3,928 KB
Document Date: 7/11/2008 **Submitted By:** JEREMY WILSON (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: SECOND QUARTER 2008 GROUNDWATER MONITORING REPORT

Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5383924722/T0600102114.PDF

Document Type: Monitoring Reports **Size :** 6,380 KB
Document Date: 7/11/2008 **Submitted By:** JEREMY WILSON (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: FIRST QUARTER 2008 GROUNDWATER MONITORING REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3427616953/T0600102114.PDF

Document Type: Monitoring Reports **Size :** 3,626 KB
Document Date: 1/29/2008 **Submitted By:** JEREMY WILSON (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: THIRD QUARTER 2007 GROUNDWATER MONITORING REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9343754649/T0600102114.PDF

Document Type: Monitoring Reports **Size :** 5,461 KB
Document Date: 1/29/2008 **Submitted By:** JEREMY WILSON (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: FOURTH QUARTER 2007 GROUNDWATER MONITORING REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1200058460/T0600102114.PDF

Document Type: Monitoring Reports **Size :** 6,668 KB
Document Date: 11/6/2007 **Submitted By:** TIMOTHY G BODKIN (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: SECOND QUARTER 2007 GROUNDWATER MONITORING REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2059539616/T0600102114.PDF

Document Type: Monitoring Reports **Size :** 2,467 KB
Document Date: 5/14/2007 **Submitted By:** JEREMY WILSON (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: FIRST QUARTER 2007 GMR
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1432005167/T0600102114.PDF

Document Type: Monitoring Reports **Size :** 2,015 KB
Document Date: 5/14/2007 **Submitted By:** JEREMY WILSON (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: THIRD QUARTER 2006 GMR
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2587354362/T0600102114.PDF

Document Type: Monitoring Reports **Size :** 3,523 KB
Document Date: 7/24/2006 **Submitted By:** JEREMY WILSON (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: SECOND QUARTER 2006 GROUNDWATER MONITORING REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5551466226/T0600102114.PDF

Document Type: Monitoring Reports **Size :** 3,192 KB
Document Date: 5/10/2006 **Submitted By:** JEREMY WILSON (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: SECOND QUARTER 2005 GROUNDWATER MONITORING RESULTS
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1738523721/T0600102114.PDF

Document Type: Monitoring Reports **Size :** 3,638 KB
Document Date: 5/10/2006 **Submitted By:** JEREMY WILSON (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: THIRD QUARTER 2005 GROUNDWATER MONITORING RESULTS
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2480727970/T0600102114.PDF

Document Type: Monitoring Reports **Size :** 4,249 KB
Document Date: 5/10/2006 **Submitted By:** JEREMY WILSON (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: FIRST QUARTER 2006 GROUNDWATER MONITORING RESULTS
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8007459878/T0600102114.PDF

Document Type: Monitoring Reports **Size :** 3,312 KB
Document Date: 5/10/2006 **Submitted By:** JEREMY WILSON (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: FIRST QUARTER 2005 GROUNDWATER MONITORING RESULTS
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8729221940/T0600102114.PDF

Document Type: Monitoring Reports **Size :** 3,531 KB

Document Date: 5/10/2006 **Submitted By:** JEREMY WILSON (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: FOURTH QUARTER 2005 GROUNDWATER MONITORING RESULTS
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5255522012/T0600102114.PDF

Document Type: Site Documents **Size :**
Document Date: 4/8/2002 **Submitted By:** JERRY WICKHAM (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: HISTORICAL DIRECTIVE LETTERS
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600102114&enforcement_id=6123532

Document Type: Site Documents **Size :**
Document Date: 10/10/1996 **Submitted By:** JERRY WICKHAM (REGULATOR)
Type: CORRESPONDENCE **Submitted:**
Title: HISTORICAL CORRESPONDENCE - REGULATOR RESPONSE
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600102114&document_id=5737981

50	1 of 1	SE	0.29 / 1,529.25	32.16 / -6	3301 San Leandro Boulevard 3301 San Leandro Boulevard Oakland CA 94601	FED BROWNFIELDS

Type of Funding: Hazardous & Petroleum
Acres Property ID: 123227
Property Size(Acres): .3
Local Property No: 033-2187-003-01
Ownership Entity: Private
Current Owner:
Did Ownership Change: N
Sfllp Fact into the Owship: N
Latitude: 37.774571
Longitude: -122.226036
Horizontal Collection Mthd:
Source Map Scale:
Reference Point:
Horiz Reference Datum:
Cleanup Required: N
Cntmnt Fnd Ctrl Sbstncs:
Cntmnt Fnd Petroleum: Y
Cntmnt Fnd Asbestos:
Cntmnt Fnd Lead:
Cntmnt Fnd Pahs:
Cntmnt Fnd Pcbs: Yes
Cntmnt Fnd Vocs: Yes
Cntmnt Fnd Selenium:
Cntmnt Fnd Iron:
Cntmnt Fnd Arsenic:
Cntmnt Fnd Cadmium:
Cntmnt Fnd Chromium:
Cntmnt Fnd Copper:
Cntmnt Fnd Mercury:
Cntmnt Fnd Nickel:
Cntmnt Fnd Pesticides:
Cntmnt Fnd Svocs:
Cntmnt Fnd Other Metals: Y
Cntmnt Fnd Other:
Cntmnt Fnd Other Descr :
Cntmnt Fnd Unknown:
Cntmnt Fnd None:
Cntmnt Clnd Up Ctl Sbst:
Cntmnt Clnd Up Petroleum:
Cntmnt Clnd Up Asbestos:
Cntmnt Clnd Up Lead:
Cntmnt Clnd Up PAHs:
Cntmnt Clnd Up PCBs:
Cntmnt Clnd Up VOCs:
Cntmnt Clnd Up Selenium:
Cntmnt Clnd Up Iron:
Cntmnt Clnd Up Arsenic:

Cntmnt Clnd Up Cadmium:	
Cntmnt Clnd Up Chromium:	
Cntmnt Clnd Up Copper:	
Cntmnt Clnd Up Mercury:	
Cntmnt Clnd Up Nickel:	
Cntmnt Clnd Up Pesticides:	
Cntmnt Clnd Up Svocs:	
Cntmnt Clnd Oth Metals:	
Cntmnt Clnd Up Other:	
Cntmnt Clnd Up Oth Desc:	
Cntmnt Clnd Up Unknown:	
Cntmnt Clnd Up None:	
Media Affected Air:	
Media Affected Sediments:	
Media Affected Soil:	Y
Media Affect Drnking Wtr:	
Media Affected Grnd Wtr:	Yes
Media Affctd Surf Wtr:	
Media Affctd Bldg Matrls:	
Media Affected Indoor Air:	
Media Affected None:	
Media Affected Unknown:	
Media Clnd Up Air:	
Media Clnd Up Sediments:	
Media Clnd Up Soil:	
Media Clnd Up Drnk Wtr:	
Media Clnd Up Grnd Wtr:	
Media Clnd Up Surf Wtr:	
Media Clnd Up Bldg Mats:	
Media Clnd Up Indoor Air:	
Media Clnd Up Unknown:	
St Tribal Prg ID No:	
Further Action Cleanup:	
Enrollment St Tribal Prg:	
Institutional Ctrl ICs Req:	N
IC Catgry Proprietary Ctrls:	
IC Catgry Informational Dev:	
IC Catgry Govmntal Ctrls:	
IC Catgry Enfrc Prmt Tls:	
ICs in Place:	
Date ICs in Place:	
Photographs are Available:	N
Video is Available:	N
Description History:	

--Details--

Grant Recipient Name:	Oakland, City of
Accomplishment Counted:	0
Cooperative Agrment No:	96990101
Type Brownfields Grant:	Assessment
Assessment Phase:	Phase II Environmental Assessment
Assessment Start Date:	08/01/2009 00:00:00
Assessment Compltn Dt:	10/16/2009 00:00:00
Srce of Assessment Fund:	US EPA - Brownfields Assessment Cooperative Agreement
Entity Prov Assmnt Fund:	EPA
Assessment Funding Amt:	22493
Cleanup Start Date:	
Cleanup Completion Date:	
Acres Cleaned Up:	
Cleanup Funding Source:	
Entity Prvd Cleanup Fund:	
Cleanup Funding Amount:	
Redevelopment Start Dt:	
No of Clnup/Redev Jobs:	
Acre/Grnspace Created:	
Src of Redev Funding:	
Entity Prvd Redev Funds:	
Redev Funding Amount:	

Highlights:	
IC Data Address:	
Redev Completion Date:	
Past Use Greenspace Arces:	
Past Use Residential Arces:	
Past Use Commercial Arces:	
Past Use Industrial Arces:	
Past Use Multistory Arces:	
Future Use Multistory Arces:	
Future Use Greenspace:	
Future Use Residential:	
Future Use Commercial:	
Future Use Industrial:	
2010 Below Poverty No:	2393
2010 Below Poverty Pct:	26.6%
2010 Median Income:	7015
2010 Low Income No:	4713
2010 Low Income Pct:	52.3%
2010 Vacant Housing No:	404
2010 Vac Housing Pct:	13.0%
2010 Unemployed No:	645
2010 Unemployed:	7.2%
Grant Recipient Name:	Oakland, City of
Accomplishment Counted:	1
Cooperative Agrment No:	96990101
Type Brownfields Grant:	Assessment
Assessment Phase:	Phase I Environmental Assessment
Assessment Start Date:	05/22/2009 00:00:00
Assessment Compltn Dt:	10/06/2009 00:00:00
Srce of Assessment Fund:	US EPA - Brownfields Assessment Cooperative Agreement
Entity Prov Assmnt Fund:	EPA
Assessment Funding Amt:	4510
Cleanup Start Date:	
Cleanup Completion Date:	
Acres Cleaned Up:	
Cleanup Funding Source:	
Entity Prvd Cleanup Fund:	
Cleanup Funding Amount:	
Redevelopment Start Dt:	
No of Clnup/Redev Jobs:	
Acre/Grnspace Created:	
Src of Redev Funding:	
Entity Prvd Redev Funds:	
Redev Funding Amount:	
Highlights:	
IC Data Address:	
Redev Completion Date:	
Past Use Greenspace Arces:	
Past Use Residential Arces:	
Past Use Commercial Arces:	
Past Use Industrial Arces:	
Past Use Multistory Arces:	
Future Use Multistory Arces:	
Future Use Greenspace:	
Future Use Residential:	
Future Use Commercial:	
Future Use Industrial:	
2010 Below Poverty No:	2393
2010 Below Poverty Pct:	26.6%
2010 Median Income:	7015
2010 Low Income No:	4713
2010 Low Income Pct:	52.3%
2010 Vacant Housing No:	404
2010 Vac Housing Pct:	13.0%
2010 Unemployed No:	645
2010 Unemployed:	7.2%

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
51	1 of 1	SW	0.31 / 1,613.38	19.89 / -18	HANS AND GUNTER ROOFING COMPANY 2834 E 7TH ST. OAKLAND CA 94601	LUST

Global ID: T06019754249
Status: OPEN - SITE ASSESSMENT
Status Date: 2004-03-24 00:00:00
Case Type: LUST CLEANUP SITE
Date Source: LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download
County: ALAMEDA
Latitude: 37.7748702154488
Longitude: -122.234122753143

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case Number: NA
Local Case Number: RO0002608
Begin Date: 2003-12-05 00:00:00
Lead Agency: ALAMEDA COUNTY LOP
Local Agency: ALAMEDA COUNTY LOP
CUF Case: NO
Potential COC: Gasoline
How Discovered: Site Assessment/Site Investigation
Stop Method: Close and Remove Tank
Stop Description:
Case Worker: KLD
File Location: All Files are on GeoTracker or in the Local Agency Database

Potential Media of Concern: Under Investigation
How Discovered Description:
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
DWR GW Subbasin Name: Santa Clara Valley - East Bay Plain (2-009.04)
Disadvantaged Community:
Site History:

An 820-gallon gasoline UST was reportedly on-site and removed in 2001. No documentation was available for the removal. Subsequent soil sampling detected TPHg and TPHd. No groundwater samples have been collected from the site and soil vapor has not been evaluated. This Case was referred to the Alameda DA's office for enforcement on 1/16/2019.

Regulatory Activity

Action Type: RESPONSE
Date : 2018-06-29 00:00:00
Action: Email Correspondence

Action Type: ENFORCEMENT
Date : 2018-06-19 00:00:00
Action: Notice of Violation - #20180619

Action Type: RESPONSE
Date : 2017-05-25 00:00:00
Action: Email Correspondence

Action Type: ENFORCEMENT
Date : 2017-05-01 00:00:00
Action: Notice to Comply - #20170501

Action Type: RESPONSE
Date : 2016-05-06 00:00:00
Action: Soil and Water Investigation Report

Action Type: ENFORCEMENT
Date : 2016-03-03 00:00:00
Action: Staff Letter - #20160303

Action Type: ENFORCEMENT
Date : 2016-03-01 00:00:00
Action: Notice of Responsibility - #20160301

Action Type: ENFORCEMENT
Date : 2015-08-04 00:00:00
Action: Meeting - #20150804

Action Type: ENFORCEMENT
Date : 2015-06-26 00:00:00
Action: Staff Letter - #20150626

Action Type: ENFORCEMENT
Date : 2014-06-29 00:00:00
Action: Staff Letter - #20140629

Action Type: RESPONSE
Date : 2013-05-31 00:00:00
Action: Site Investigation Workplan - Regulator Responded

Action Type: ENFORCEMENT
Date : 2013-05-06 00:00:00
Action: File review

Action Type: RESPONSE
Date : 2012-07-30 00:00:00
Action: Soil and Water Investigation Workplan

Action Type: ENFORCEMENT
Date : 2012-05-31 00:00:00
Action: Notice to Comply - #20120531

Action Type: RESPONSE
Date : 2011-04-29 00:00:00
Action: Soil and Water Investigation Workplan

Action Type: ENFORCEMENT
Date : 2011-02-28 00:00:00
Action: Staff Letter - #20110228

Action Type: ENFORCEMENT
Date : 2009-07-24 00:00:00
Action: Staff Letter - #20090724

Action Type: ENFORCEMENT
Date : 2008-07-25 00:00:00
Action: Staff Letter - #07/25/2008

Action Type: ENFORCEMENT
Date : 2008-07-03 00:00:00
Action: Staff Letter - #20080703

Action Type: RESPONSE
Date : 2004-01-23 00:00:00
Action: Soil and Water Investigation Report

Action Type: Other
Date : 2004-01-23 00:00:00
Action: Leak Reported

Action Type: Other
Date : 2003-12-05 00:00:00
Action: Leak Stopped

Action Type: Other
Date : 2003-12-05 00:00:00
Action: Leak Discovery

Regulatory Contacts

Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
City: OAKLAND
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
Email:
Phone Number:

Contact Type:	Local Agency Caseworker	**Address:**	1131 Harbor Bay Parkway
Contact Name:	KAREL DETTERMAN	**Email:**	karel.detterman@acgov.org
City:	ALAMEDA	**Phone Number:**	5105676708
Organization Name:	ALAMEDA COUNTY LOP		

Status History

Status: Open - Site Assessment
Status Date: 2004-03-24 00:00:00

Status: Open - Case Begin Date
Status Date: 2003-12-05 00:00:00

LUST Cleanup Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)

Site Facility Name:	HANS AND GUNTER ROOFING COMPANY	**Address:**	2834 E 7TH ST.
Site Facility Type:	LUST CLEANUP SITE	**City:**	OAKLAND
Cleanup Status:	OPEN - SITE ASSESSMENT	**Zip:**	94601
Project Status:		**County:**	ALAMEDA
Potential COC:	GASOLINE	**CUF Claim:**	
WDR Place Type:		**CUF Priority Assig:**	
WDR File:		**CUF Amount Paid:**	
WDR Order:			

File Location: ALL FILES ARE ON GEOTRACKER OR IN THE LOCAL AGENCY DATABASE
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: http://geotracker.waterboards.ca.gov/profile_report?global_id=T06019754249
Cleanup Status Detail: OPEN - SITE ASSESSMENT AS OF 3/24/2004
Cleanup History Link: http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T06019754249&tabname=regulatoryhistory
Potential Media Of Concern: UNDER INVESTIGATION
User Defined Beneficial Use: GW - MUNICIPAL AND DOMESTIC SUPPLY
DWR GW Sub Basin: Santa Clara Valley - East Bay Plain (2-009.04)
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: ALAMEDA COUNTY LOP (LEAD) - CASE #: RO0002608
CASEWORKER: KAREL DETTERMAN
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: NA
CASEWORKER: Regional Water Board
Site History:

An 820-gallon gasoline UST was reportedly on-site and removed in 2001. No documentation was available for the removal. Subsequent soil sampling detected TPHg and TPHd. No groundwater samples have been collected from the site and soil vapor has not been evaluated.

LUST Cleanup Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)

Status: Open - Site Assessment
Date : 3/24/2004

Status: Open - Case Begin Date
Date : 12/5/2003

LUST Cleanup Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)

Action Type: Response Requested - Other
Action Date: 6/29/2018
Received Issue Date:
Action: Email Correspondence
Doc Link:

Action Type: Enforcement/Orders
Action Date: 6/19/2018
Received Issue Date: 6/19/2018
Action: Notice of Violation - #20180619

Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019754249&enforcement_id=6361589&temptable=ENFORCEMENT

Action Type: Response Requested - Other
Action Date: 5/25/2017
Received Issue Date:
Action: Email Correspondence
Doc Link:

Action Type: Enforcement/Orders
Action Date: 5/1/2017
Received Issue Date: 5/1/2017
Action: Notice to Comply - #20170501
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019754249&enforcement_id=6318441&temptable=ENFORCEMENT

Action Type: Response Requested - Reports
Action Date: 5/6/2016
Received Issue Date:
Action: Soil and Water Investigation Report
Doc Link:

Action Type: Other Regulatory Actions
Action Date: 3/3/2016
Received Issue Date: 3/3/2016
Action: Staff Letter - #20160303
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019754249&enforcement_id=6277914&temptable=ENFORCEMENT

Action Type: Notices
Action Date: 3/1/2016
Received Issue Date: 3/1/2016
Action: Notice of Responsibility - #20160301
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019754249&enforcement_id=6277726&temptable=ENFORCEMENT

Action Type: Other Regulatory Actions
Action Date: 8/4/2015
Received Issue Date: 8/4/2015
Action: Meeting - #20150804
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019754249&enforcement_id=6255453&temptable=ENFORCEMENT

Action Type: Other Regulatory Actions
Action Date: 6/26/2015
Received Issue Date: 6/26/2015
Action: Staff Letter - #20150626
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019754249&enforcement_id=6250267&temptable=ENFORCEMENT

Action Type: Other Regulatory Actions
Action Date: 6/29/2014
Received Issue Date: 6/29/2014
Action: Staff Letter - #20140629
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019754249&enforcement_id=6210179&temptable=ENFORCEMENT

Action Type: Response Requested - Workplans
Action Date: 5/31/2013
Received Issue Date: 5/31/2013
Action: Site Investigation Workplan - Regulator Responded
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T06019754249&doc_id=5776811

Action Type: Other Regulatory Actions
Action Date: 5/6/2013
Received Issue Date: 5/6/2013
Action: File review
Doc Link:

Action Type: Response Requested - Workplans
Action Date: 7/30/2012
Received Issue Date:
Action: Soil and Water Investigation Workplan
Doc Link:

Action Type: Enforcement/Orders
Action Date: 5/31/2012
Received Issue Date: 5/31/2012
Action: Notice to Comply - #20120531
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019754249&enforcement_id=6123415&temptable=ENFORCEMENT

Action Type: Response Requested - Workplans
Action Date: 4/29/2011
Received Issue Date:
Action: Soil and Water Investigation Workplan
Doc Link:

Action Type: Other Regulatory Actions
Action Date: 2/28/2011
Received Issue Date: 2/28/2011
Action: Staff Letter - #20110228
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019754249&enforcement_id=6079295&temptable=ENFORCEMENT

Action Type: Other Regulatory Actions
Action Date: 7/24/2009
Received Issue Date: 7/24/2009
Action: Staff Letter - #20090724
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019754249&enforcement_id=6027711&temptable=ENFORCEMENT

Action Type: Other Regulatory Actions
Action Date: 7/25/2008
Received Issue Date: 7/25/2008
Action: Staff Letter - #07/25/2008
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019754249&enforcement_id=5982608&temptable=ENFORCEMENT

Action Type: Other Regulatory Actions
Action Date: 7/3/2008
Received Issue Date: 7/3/2008
Action: Staff Letter - #20080703
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019754249&enforcement_id=5980657&temptable=ENFORCEMENT

Action Type: Response Requested - Reports
Action Date: 1/23/2004
Received Issue Date: 1/23/2004
Action: Soil and Water Investigation Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T06019754249&doc_id=5774072

Action Type: Leak Action
Action Date: 1/23/2004
Received Issue Date:
Action: Leak Reported
Doc Link:

Action Type: Leak Action
Action Date: 12/5/2003
Received Issue Date:
Action: Leak Stopped
Doc Link:

Action Type: Leak Action
Action Date: 12/5/2003
Received Issue Date:
Action: Leak Discovery

Doc Link:

LUST Cleanup Sites from GeoTracker Search - Documents(as of Jan 18, 2019)

Document Type: Site Documents **Size :**
Document Date: 6/19/2018 **Submitted By:** KAREL DETTERMAN (REGULATOR)
Type: NOTICE OF VIOLATION **Submitted:**
Title: NOTICE OF VIOLATION
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019754249&enforcement_id=6361589

Document Type: Site Documents **Size :**
Document Date: 5/1/2017 **Submitted By:** KAREL DETTERMAN (REGULATOR)
Type: NOTICE TO COMPLY **Submitted:**
Title: NOTICE TO COMPLY LETTER
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019754249&enforcement_id=6318441

Document Type: Site Documents **Size :**
Document Date: 3/3/2016 **Submitted By:** KAREL DETTERMAN (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: DIRECTIVE LETTER
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019754249&enforcement_id=6277914

Document Type: Site Documents **Size :**
Document Date: 3/1/2016 **Submitted By:** KAREL DETTERMAN (REGULATOR)
Type: NOTICE OF RESPONSIBILITY **Submitted:**
Title: NOTICE OF RESPONSIBILITY
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019754249&enforcement_id=6277726

Document Type: Site Documents **Size :**
Document Date: 8/4/2015 **Submitted By:** KAREL DETTERMAN (REGULATOR)
Type: MEETING **Submitted:**
Title: MEETING SIGN-IN SHEET
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019754249&enforcement_id=6255453

Document Type: Site Documents **Size :**
Document Date: 6/26/2015 **Submitted By:** KAREL DETTERMAN (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: DIRECTIVE LETTER
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019754249&enforcement_id=6250267

Document Type: Site Documents **Size :**
Document Date: 6/29/2014 **Submitted By:** KAREL DETTERMAN (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: DIRECTIVE LETTER
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019754249&enforcement_id=6210179

Document Type: Site Documents **Size :**
Document Date: 5/31/2013 **Submitted By:** BARBARA JAKUB (REGULATOR)
Type: SITE INVESTIGATION WORKPLAN **Submitted:**
Title: WORKPLAN FOR GROUNDWATER AND SOIL GAS SAMPLING - REGULATOR RESPONSE
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019754249&document_id=5776811

Document Type: Site Documents **Size :** 1,128 KB
Document Date: 12/10/2012 **Submitted By:** BOB CLARK-RIDDELL (AUTH_RP)
Type: SITE INVESTIGATION WORKPLAN **Submitted:**
Title: WORKPLAN FOR GROUNDWATER AND SOIL GAS SAMPLING
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7492829799/T06019754249.PDF

Document Type: Site Documents **Size :**
Document Date: 5/31/2012 **Submitted By:** BARBARA JAKUB (REGULATOR)
Type: NOTICE TO COMPLY **Submitted:**
Title: ENF_L_2012-05-31
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019754249&enforcement_id=6123415

Document Type: Site Documents **Size :**
Document Date: 2/28/2011 **Submitted By:** BARBARA JAKUB (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: DIR_L_2011-02-28

Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019754249&enforcement_id=6079295

Document Type: Site Documents
Size :
Document Date: 7/24/2009
Submitted By: BARBARA JAKUB (REGULATOR)
Type: STAFF LETTER
Submitted:
Title: DIR_L_2009-07-24
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019754249&enforcement_id=6027711

Document Type: Site Documents
Size :
Document Date: 7/25/2008
Submitted By: MYLE DANH (REGULATOR)
Type: STAFF LETTER
Submitted:
Title: DIR_L
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019754249&enforcement_id=5982608

Document Type: Site Documents
Size :
Document Date: 7/3/2008
Submitted By: DANIEL OLSEN (REGULATOR)
Type: STAFF LETTER
Submitted:
Title: ESI COMPLIANCE DIRECTIVE
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019754249&enforcement_id=5980657

Document Type: Site Documents
Size :
Document Date: 1/23/2004
Submitted By: (REGULATOR)
Type: SOIL AND WATER INVESTIGATION REPORT
Submitted:
Title: SWI_R_2004-01-23
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019754249&document_id=5774072

52	1 of 2	SW	0.31 / 1,616.37	19.92 / -18	EBMUD UNKNOWN 7TH ST & 29TH AVE OAKLAND CA 94606	DELISTED LST

Delisted Leaking Storage Tanks

Global ID: T0600100494
Begin Date: 1990-09-27 00:00:00
Case Type: LUST Cleanup Site
How Discovered:
Status: Open - Site Assessment
Stop Method:
Status Date: 1990-09-27 00:00:00
County: Alameda
RB Case No: 01-0541
Latitude: 37.7745776435921
Loc Case No: RO0003039
Longitude: -122.233870625496
Case Worker: MYM
Site Name:
Local Agency: ALAMEDA COUNTY LOP
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
File Location: All Files are on GeoTracker or in the Local Agency Database
Cal Water Watershed Name:
DWR Groundwater Sub Basin:
Proposed UST Closure:
Orig Address:
Original Source: LUST
Record Date: 04-DEC-2015
Contam of Concern:

Gasoline

How Discover Desc:

Stop Description:

Potential Media Affected:

Under Investigation

52	2 of 2	SW	0.31 / 1,616.37	19.92 / -18	EBMUD UNK 7TH ST & 29TH AVE OAKLAND CA 94606	ALAMEDA LOP

Record ID: RO0003039
Alt Record ID: SD0003031
Program: LUST
Release Type: UST
Site Contact: ((RWQCB))
RP Identification Date: 9/27/1990 12:00:00 AM
GIS Latitude: 37.774513741
GIS Longitude: -122.233729481
Data Source: Local Oversight Program Detailed Inventory; Local Oversight Program Inventory

--Details--

Program Element: 5602
Status: 1,11
Status Desc: Leak confirmation,Case transferred
Substance: 8006619
Org Name: EBMUD
Description 1: Leak Confirmation
Description 2: Tank Owner
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Undetermined affected
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 1,11
Status Desc: Leak confirmation,Case transferred
Substance: 8006619
Org Name: RWQCB
Description 1: Leak Confirmation
Description 2: Not Applicable
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Undetermined affected
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 1,11
Status Desc: Leak confirmation,Case transferred
Substance: 8006619
Org Name: EBMUD
Description 1: Case Transferred
Description 2: Tank Owner
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Undetermined affected
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 1,11
Status Desc: Leak confirmation,Case transferred
Substance: 8006619
Org Name: RWQCB
Description 1: Case Transferred
Description 2: Not Applicable
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Undetermined affected
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 1,11
Status Desc: Leak confirmation,Case transferred
Substance: 8006619
Org Name: ALAMEDA COUNTY LOP
Description 1: Case Transferred
Description 2: Not Applicable
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent

Description 5: Undetermined affected
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 1,11
Status Desc: Leak confirmation,Case transferred
Substance: 8006619
Org Name: ALAMEDA COUNTY LOP
Description 1: Leak Confirmation
Description 2: Not Applicable
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Undetermined affected
Description 6: Substance released from Underground Storage Tank System

---

53	1 of 1	NNW	0.31 / 1,625.86	39.14 / 1	TRI CITY CLEANERS 2560 INTERNATIONAL OAKLAND CA 94601	LUST

Global ID: T0600100979
Status: COMPLETED - CASE CLOSED
Status Date: 1998-03-30 00:00:00
Case Type: LUST CLEANUP SITE
Date Source: LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download
County: ALAMEDA
Latitude: 37.781729
Longitude: -122.231907

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case Number: 01-1062
Local Case Number: RO0000865
Begin Date: 1990-11-14 00:00:00
Lead Agency: ALAMEDA COUNTY LOP
Local Agency:
CUF Case: YES
Potential COC: Stoddard solvent / Mineral Spriits / Distillates
How Discovered: Other Means
Stop Method: Other Means
Stop Description:
Case Worker:
File Location: All Files are on GeoTracker or in the Local Agency Database

Potential Media of Concern: Other Groundwater (uses other than drinking water)
How Discovered Description:
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
DWR GW Subbasin Name: Santa Clara Valley - East Bay Plain (2-009.04)
Disadvantaged Community:
Site History:

Regulatory Activity

Action Type: REMEDIATION
Date : 9999-09-09 00:00:00
Action: Excavation

Action Type: ENFORCEMENT
Date : 1998-03-05 00:00:00
Action: File Review - Closure

Action Type: Other
Date : 1990-11-14 00:00:00
Action: Leak Reported

Regulatory Contacts

Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
City: OAKLAND
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
Email:
Phone Number:

Status History

Status: Completed - Case Closed
Status Date: 1998-03-30 00:00:00

Status: Open - Case Begin Date
Status Date: 1990-11-14 00:00:00

LUST Cleanup Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)

Site Facility Name: TRI CITY CLEANERS
Site Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Project Status:
Potential COC: STODDARD SOLVENT / MINERAL SPRIITS / DISTILLATES
WDR Place Type:
WDR File:
WDR Order:
Address: 2560 INTERNATIONAL
City: OAKLAND
Zip: 94601
County: ALAMEDA
CUF Claim: 12430
CUF Priority Assig: C
CUF Amount Paid:
File Location: ALL FILES ARE ON GEOTRACKER OR IN THE LOCAL AGENCY DATABASE
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: http://geotracker.waterboards.ca.gov/profile_report?global_id=T0600100979
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 3/30/1998
Cleanup History Link: http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0600100979&tabname=regulatoryhistory
Potential Media Of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
User Defined Beneficial Use:
DWR GW Sub Basin: Santa Clara Valley - East Bay Plain (2-009.04)
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: ALAMEDA COUNTY LOP (LEAD) - CASE #: RO0000865
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 01-1062
CASEWORKER: Regional Water Board
Site History:

No site history available

LUST Cleanup Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)

Status: Completed - Case Closed
Date : 3/30/1998

Status: Open - Case Begin Date
Date : 11/14/1990

LUST Cleanup Sites from GeoTracker Search - Cleanup Action(as of Jan 18, 2019)

Action Type: EXCAVATION
Phase:
Contaminant Mass Removed:
Description:
Begin Date: 9/9/9999
End Date: 9/9/9999

LUST Cleanup Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)

Action Type: Cleanup Action
Action Date: 9/9/9999
Received Issue Date:
Action: Excavation
Doc Link:

Action Type: Other Regulatory Actions

Action Date: 3/5/1998
Received Issue Date: 3/5/1998
Action: File Review - Closure
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100979&enforcement_id=6306166&temptable=ENFORCEMENT

Action Type: Leak Action
Action Date: 11/14/1990
Received Issue Date:
Action: Leak Reported
Doc Link:

Action Type: Other Regulatory Actions
Action Date:
Received Issue Date:
Action: Closure/No Further Action Letter
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100979&enforcement_id=6306162&temptable=ENFORCEMENT

LUST Cleanup Sites from GeoTracker Search - Documents(as of Jan 18, 2019)

Document Type: Site Documents **Size :**
Document Date: **Submitted By:** DAVID TANOUYE (REGULATOR)
Type: CLOSURE/NO FURTHER ACTION LETTER **Submitted:**
Title: NFA LETTER - REMEDIAL ACTION COMPLETION CERTIFICATION
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100979&enforcement_id=6306162

Document Type: Site Documents **Size :**
Document Date: 3/5/1998 **Submitted By:** DAVID TANOUYE (REGULATOR)
Type: FILE REVIEW - CLOSURE **Submitted:**
Title: UNDERGROUND STORAGE TANK CASE CLOSURE SUMMARY
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100979&enforcement_id=6306166

54	1 of 1	SW	0.31 / 1,631.91	19.01 / -19	LEMOINE COLD STORAGE 630 29TH AVE Oakland CA 94601	ALAMEDA LOP

Record ID: RO0000334
Alt Record ID: SD0000334
Program: LUST
Release Type: UST
Site Contact: ((RWQCB))
RP Identification Date: 12/9/1996 12:00:00 AM
GIS Latitude: 37.7743127383
GIS Longitude: -122.2343151919
Data Source: Local Oversight Program Detailed Inventory; Local Oversight Program Inventory

--Details--
Program Element: 5602
Status: 11,5C
Status Desc: Case transferred,Pollution characterization
Substance: 8006619
Org Name: LEMOINE COLD STORAGE
Description 1: Pollution Characterization
Description 2: Former Fee Title Owner
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 11,5C
Status Desc: Case transferred,Pollution characterization
Substance: 8006619
Org Name: ALAMEDA COUNTY LOP
Description 1: Case Transferred

Description 2: Not Applicable
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 11,5C
Status Desc: Case transferred,Pollution characterization
Substance: 8006619
Org Name: RWQCB
Description 1: Case Transferred
Description 2: Not Applicable
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 11,5C
Status Desc: Case transferred,Pollution characterization
Substance: 8006619
Org Name: NA
Description 1: Case Transferred
Description 2: Property/Fee Title Owner
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 11,5C
Status Desc: Case transferred,Pollution characterization
Substance: 8006619
Org Name: ALAMEDA COUNTY LOP
Description 1: Pollution Characterization
Description 2: Not Applicable
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 11,5C
Status Desc: Case transferred,Pollution characterization
Substance: 8006619
Org Name: RWQCB
Description 1: Pollution Characterization
Description 2: Not Applicable
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 11,5C
Status Desc: Case transferred,Pollution characterization
Substance: 8006619
Org Name: NA
Description 1: Pollution Characterization
Description 2: Property/Fee Title Owner
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 11,5C
Status Desc: Case transferred,Pollution characterization

Substance: 8006619
Org Name: LEMOINE COLD STORAGE
Description 1: Case Transferred
Description 2: Former Fee Title Owner
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

---

55	1 of 1	ESE	0.31 / 1,641.07	33.67 / -4	FRUITVALE BART 0 FRUITVALE AVE & 37TH OAKLAND CA 94601	CLEANUP SITES

Global ID: T06019732174
Status: OPEN - INACTIVE
Status Date: 2016-01-21 00:00:00
Site Code:
Data Source: Cleanup Program Sites from GeoTracker Search; Cleanup Sites from GeoTracker Cleanup Sites Data Download
Site Facility Type: CLEANUP PROGRAM SITE
County: ALAMEDA
Latitude: 37.7751201655776
Longitude: -122.224997649837

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case Number: NA
Local Case Number: RO0002490
Begin Date: 1967-01-01 00:00:00
Stop Method: Other Means
Lead Agency: ALAMEDA COUNTY LOP
Local Agency: ALAMEDA COUNTY LOP
Potential COC: Arsenic, Lead
Potential Media of Concern: Other Groundwater (uses other than drinking water)
How Discovered: Other Means
How Discovered Description:
Stop Description:
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
DWR GW Subbasin Name: Santa Clara Valley - East Bay Plain (2-009.04)
Disadvantaged Community: Disadvantaged Community
CUF Case: NO
Case Worker:
File Location: All Files are on GeoTracker or in the Local Agency Database
Site History:

Metals were detected in the area of a former railway corridor beneath the Fruitvale BART station parking structure. The impacted soil was to be excavated or managed in place beneath paved areas and the parking structure. The case remains open pending confirmation of disposal and management of impacted soil.

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Acitivity

Action Type: RESPONSE
Date : 2009-08-10 00:00:00
Action: Electronic Reporting Submittal Due

Action Type: ENFORCEMENT
Date : 2009-07-24 00:00:00
Action: Notice to Comply

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Open - Inactive
Status Date: 2016-01-21 00:00:00

Status: Open - Site Assessment
Status Date: 1967-01-01 00:00:00

Status: Open - Case Begin Date
Status Date: 1967-01-01 00:00:00

Cleanup Program Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)

Project Status:
CUF Claim:
CUF Priority Assign:
CUF Amount Paid:
WDR Place Type:
WDR File:
WDR Order:
File Location: ALL FILES ARE ON GEOTRACKER OR IN THE LOCAL AGENCY DATABASE

User Defined Beneficial Use:
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: http://geotracker.waterboards.ca.gov/profile_report?global_id=T06019732174
Cleanup Status Detail: OPEN - INACTIVE AS OF 1/21/2016
Cleanup History Link: http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T06019732174&tabname=regulatoryhistory
Potential COC: ARSENIC, LEAD
Potential Media Of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
DWR GW Sub Basin: Santa Clara Valley - East Bay Plain (2-009.04)
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: ALAMEDA COUNTY LOP (LEAD) - CASE #: RO0002490
CASEWORKER: ALAMEDA COUNTY ENVIRONMENTAL HEALTH
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: NA
Site History:

Metals were detected in the area of a former railway corridor beneath the Fruitvale BART station parking structure. The impacted soil was to be excavated or managed in place beneath paved areas and the parking structure. The case remains open pending confirmation of disposal and management of impacted soil.

Cleanup Program Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)

Action Type: Response Requested - Other
Action Date: 8/10/2009
Received Issue Date:
Action: Electronic Reporting Submittal Due
Doc Link:
Title Description Comments:

- CLAIM SITE IN GEOTRACKER

Action Type: Enforcement/Orders
Action Date: 7/24/2009
Received Issue Date: 7/24/2009
Action: Notice to Comply
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019732174&enforcement_id=6025227&temptable=ENFORCEMENT
Title Description Comments:

ENF_L

Cleanup Program Sites from GeoTracker Search - Documents(as of Jan 18, 2019)

Document Type: Site Documents
Document Date: 7/24/2009
Size :
Title: ENF_L
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019732174&enforcement_id=6025227
Type: NOTICE TO COMPLY
Submitted:
Submitted By: STEVEN PLUNKETT (REGULATOR)

Cleanup Program Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)

Status: Open - Inactive
Date : 1/21/2016

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status: Open - Case Begin Date
Date : 1/1/1967

Status: Open - Site Assessment
Date : 1/1/1967

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
56	1 of 1	SW	0.31 / 1,651.93	18.75 / -19	HANS AND GUNTER ROOFING COMPANY 2834 E 7TH ST OAKLAND CA 94601	ALAMEDA LOP

Record ID: RO0002608
Alt Record ID: SD0002600
Program: LUST
Release Type: UST
Site Contact: DETTERMAN, KAREL
RP Identification Date: 3/24/2004 12:00:00 AM
GIS Latitude: 37.7746041749
GIS Longitude: -122.2342757079
Data Source: Local Oversight Program Detailed Inventory; Local Oversight Program Inventory

--Details--
Program Element: 5602
Status: 1,5C
Status Desc: Leak confirmation,Pollution characterization
Substance: 8006619
Org Name: ALAMEDA COUNTY LOP
Description 1: Leak Confirmation
Description 2: Not Applicable
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 1,5C
Status Desc: Leak confirmation,Pollution characterization
Substance: 8006619
Org Name: ALAMEDA COUNTY LOP
Description 1: Pollution Characterization
Description 2: Not Applicable
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

---

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
57	1 of 1	NNW	0.31 / 1,655.02	35.79 / -2	TRI CITY CLEANERS 2560 INTERNATIONAL BLVD Oakland CA 94601	ALAMEDA LOP

Record ID: RO0000865
Alt Record ID: SD0000865
Program: LUST
Release Type: UST
Site Contact: CHAN, BARNEY
RP Identification Date: 7/20/1992 12:00:00 AM
GIS Latitude: 37.7818024469
GIS Longitude: -122.232969942
Data Source: Local Oversight Program Detailed Inventory; Local Oversight Program Inventory

--Details--
Program Element: 5602
Status: 9

Status Desc: Case closed
Substance: 8052413
Org Name: THE KINDER CO
Description 1: Case Closed
Description 2: Property/Fee Title Owner
Description 3: Stoddard solvent (Type 1, petroleum spirits)
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 9
Status Desc: Case closed
Substance: 8052413
Org Name: NA
Description 1: Case Closed
Description 2: Business Owner
Description 3: Stoddard solvent (Type 1, petroleum spirits)
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 9
Status Desc: Case closed
Substance: 8052413
Org Name: ALAMEDA COUNTY LOP
Description 1: Case Closed
Description 2: Not Applicable
Description 3: Stoddard solvent (Type 1, petroleum spirits)
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

---

58	1 of 2	SSW	0.33 / 1,720.59	20.49 / -17	ESPOSITO PLATING CORPORATION 2904 CHAPMAN STREET OAKLAND CA 94601	ENVIROSTOR

Estor/EPA ID: 01340004
Site Code: 202177
Nat Priority List: NO
Acres: 0.25 ACRES
Special Program:
Funding:
Assembly District: 18
Senate District: 09
School District:
Permit Renewal Lead:
Project Manager: YONGSHENG (JOHNNY) SUN
Supervisor: MARK PIROS
Public Partici Spclst:
Census Tract: 6001406100
County: ALAMEDA
Latitude: 37.7735599413228
Longitude: -122.232804191302
APN: 025 067100100, 025 067102600
Cleanup Status: INACTIVE - ACTION REQUIRED AS OF 8/23/2018
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY;OAKLAND, CITY OF
Site Type: VOLUNTARY CLEANUP
Office: CLEANUP BERKELEY
Past Use that Caused Contam: METAL PLATING - OTHER
Potential Media Affected: OTHER GROUNDWATER AFFECTED (USES OTHER THAN DRINKING WATER), SOIL
Potential Contamin of Concern:

CHROMIUM VI, TRICHLOROETHYLENE (TCE)

Site History:

The site is a warehouse consisting of 2904 Chapman Street in Oakland, California. The site is located in a mixed commercial/residential area on the east corner of the intersection of Chapman Street and Peterson Street. The site formerly operated as a metal plating facility from approximately the mid-1970s until 2005. Previous subsurface investigations indicated environmental impacts to groundwater beneath the site. Hexavalent chromium, nickel, and lead have been detected in soil above residential and below commercial screening value. Hexavalent chromium, nickel, and trichloroethylene have been detected in groundwater. No petroleum hydrocarbon compounds or volatile organic compounds have been detected in soil samples collected from the site.

A new ownership transaction happened in 2016. The new owner entered in voluntary cleanup agreement (VCA) with DTSC in March 2018 and terminated the VCA with DTSC on July 23 2018. Chemicals of concern remain in site and groundwater above levels appropriate for unrestricted use. However, the site is currently not used for residential or other sensitive land uses. (YS 8/14/2018)

Status: INACTIVE - ACTION REQUIRED
Program Type: VOLUNTARY CLEANUP
CalEnviroScreen Score: 86-90%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01340004

Completed Activities

Title: Sample & Analysis Workplan
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01340004&doc_id=60443023
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Characterization Workplan
Date Completed: 6/6/2018
Comments:

Title: Voluntary Cleanup Agreement
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01340004&enforcement_id=60442051
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Voluntary Cleanup Agreement
Date Completed: 3/27/2018
Comments: DTSC entered in to a Voluntary Cleanup Agreement with 2904 Chapman Street LLC to oversee cleanup activities at the Site.

Title: Historical Investigation Report by Dockter Environmental Consulting
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Correspondence
Date Completed: 6/4/2018
Comments: In 2005 report, there are 20 soil samples were collected. Chromium, Copper, Lead, Nickel, Zinc were detected above screening level.

In 2007 report, the owner stated CN wasn't used. There are many site pictures and a detailed site operation map on 2904 Chapman Property.

Title: Groundwater Monitoring Report - First Half 2017
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01340004&doc_id=60444608
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 5/21/2018
Comments: The report summarizes environmental investigations conducted at the site presents the results of groundwater monitoring conducted on March 7, 2017. Six monitoring wells were gauged for depth-to-water and were sampled. Groundwater samples were analyzed for metals by EPA Methods 6010B and 7470A and for hexavalent chromium by EPA Method 7196A. The groundwater sampling was performed before the current site owner entered into a Voluntary Cleanup Agreement with DTSC.

Title: Remedial Investigation Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01340004&doc_id=6020224
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Remedial Investigation Report

Date Completed: 5/12/2009
Comments: Total and hexavalent chromium were detected in shallow groundwater beneath the western portion of the Site and chromium impacts extend to the west beneath Peterson Street. A localized area of elevated chromium in groundwater was also found around boring B-8, which was located in the northeastern portion of the building that occupies the site. Significant metal concentrations were not detected in soil, although soil beneath the plating tanks was not sampled. The Report recommended the installation of three additional groundwater monitoring wells to define the western extent of chromium in groundwater and one monitoring well near the location of boring B-8.

Title: Discovery
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: * Discovery
Date Completed: 3/12/1980
Comments: FACILITY IDENTIFIED QUESTIONNAIRE SENT.

Title: Preliminary Assessment Report
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Preliminary Assessment Report
Date Completed: 4/1/1987
Comments: Records Search: Site listed in EPA Cerclis. Record shows that EPA reviewed State Preliminary Assessment and recommend No Further Action. DTSC status needs to be determined.

Title: Project Proponent Initiated VCA Termination
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01340004&doc_id=60447681
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Voluntary Cleanup Agreement Termination Notification
Date Completed: 8/23/2018
Comments: The Voluntary Cleanup Agreement termination was effective after one month of notification on 7/23/2018.

Title: Agency Request Oversight
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01340004&enforcement_id=60441677
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Voluntary Cleanup Consultation
Date Completed: 2/21/2018
Comments:

Title: Additional Remedial Investigation Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01340004&doc_id=60253534
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Remedial Investigation Report
Date Completed: 4/14/2011
Comments:

Title: Implementation of RI Workplan
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 11/4/2008
Comments: Fieldwork completed on 11/4/2008, but ground water samples still need to be collected from the monitoring wells.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Title: Remedial Investigation Workplan/Historical Documents Review
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01340004&doc_id=6020220
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Remedial Investigation Workplan
Date Completed: 9/30/2008
Comments:

Title: Voluntary Cleanup Agreement
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01340004&enforcement_id=6012672
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Voluntary Cleanup Agreement
Date Completed: 8/5/2008
Comments: DTSC signed the Voluntary Cleanup Agreement.

Title: Justification Letter of Removal 2908 Address
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01340004&enforcement_id=60443033
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Correspondence
Date Completed: 7/10/2018
Comments:

58	2 of 2	SSW	0.33 / 1,720.59	20.49 / -17	ESPOSITO PLATING CORPORATION 2904 CHAPMAN STREET OAKLAND CA 94601	VCP

Estor/EPA ID: 01340004
Site Code: 202177
Nat Priority List: NO
Acres: 0.25 ACRES
Special Program:
Funding:
Assembly District: 18
Senate District: 09
School District:
Permit Renewal Lead:
Project Manager: YONGSHENG (JOHNNY) SUN
Supervisor: MARK PIROS
Public Partici Spclst:
Census Tract: 6001406100
County: ALAMEDA
Latitude: 37.7735599413228
Longitude: -122.232804191302
APN: 025 067100100, 025 067102600
Cleanup Status: INACTIVE - ACTION REQUIRED AS OF 8/23/2018
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY;OAKLAND, CITY OF
Site Type: VOLUNTARY CLEANUP
Office: CLEANUP BERKELEY
Past Use that Caused Contam: METAL PLATING - OTHER
Potential Media Affected: OTHER GROUNDWATER AFFECTED (USES OTHER THAN DRINKING WATER), SOIL
Potential Contamin of Concern:

CHROMIUM VI, TRICHLOROETHYLENE (TCE)

Site History:

The site is a warehouse consisting of 2904 Chapman Street in Oakland, California. The site is located in a mixed commercial/residential area on the east corner of the intersection of Chapman Street and Peterson Street. The site formerly operated as a metal plating facility from approximately the mid-1970s until 2005. Previous subsurface investigations indicated environmental impacts to groundwater beneath the site. Hexavalent chromium, nickel, and lead have been detected in soil above residential and below commercial screening value. Hexavalent chromium, nickel, and trichloroethylene have been detected in groundwater. No petroleum hydrocarbon compounds or volatile organic compounds have been detected in soil samples collected from the site.

A new ownership transaction happened in 2016. The new owner entered in voluntary cleanup agreement (VCA) with DTSC in March 2018 and terminated the VCA with DTSC on July 23 2018. Chemicals of concern remain in site and groundwater above levels appropriate for unrestricted use. However, the site is currently not used for residential or other sensitive land uses. (YS 8/14/2018)

Status: INACTIVE - ACTION REQUIRED
Program Type: VOLUNTARY CLEANUP
CalEnviroScreen Score: 86-90%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01340004

Completed Activities

Title: Preliminary Assessment Report
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Preliminary Assessment Report
Date Completed: 4/1/1987
Comments: Records Search: Site listed in EPA Cerclis. Record shows that EPA reviewed State Preliminary Assessment and recommend No Further Action. DTSC status needs to be determined.

Title: Historical Investigation Report by Dockter Environmental Consulting
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Correspondence
Date Completed: 6/4/2018
Comments: In 2005 report, there are 20 soil samples were collected. Chromium, Copper, Lead, Nickel, Zinc were detected above screening level.

In 2007 report, the owner stated CN wasn't used. There are many site pictures and a detailed site operation map on 2904 Chapman Property.

Title: Groundwater Monitoring Report - First Half 2017
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01340004&doc_id=60444608
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 5/21/2018
Comments: The report summarizes environmental investigations conducted at the site presents the results of groundwater monitoring conducted on March 7, 2017. Six monitoring wells were gauged for depth-to-water and were sampled. Groundwater samples were analyzed for metals by EPA Methods 6010B and 7470A and for hexavalent chromium by EPA Method 7196A. The groundwater sampling was performed before the current site owner entered into a Voluntary Cleanup Agreement with DTSC.

Title: Remedial Investigation Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01340004&doc_id=6020224
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Remedial Investigation Report
Date Completed: 5/12/2009
Comments: Total and hexavalent chromium were detected in shallow groundwater beneath the western portion of the Site and chromium impacts extend to the west beneath Peterson Street. A localized area of elevated chromium in groundwater was also found around boring B-8, which was located in the northeastern portion of the building that occupies the site. Significant metal concentrations were not detected in soil, although soil beneath the plating tanks was not sampled. The Report recommended the installation of three additional groundwater monitoring wells to define the western extent of chromium in groundwater and one monitoring well near the location of boring B-8.

Title: Agency Request Oversight
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01340004&enforcement_id=60441677
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Voluntary Cleanup Consultation

Date Completed: 2/21/2018
Comments:

Title: Sample & Analysis Workplan
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01340004&doc_id=60443023
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Characterization Workplan
Date Completed: 6/6/2018
Comments:

Title: Additional Remedial Investigation Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01340004&doc_id=60253534
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Remedial Investigation Report
Date Completed: 4/14/2011
Comments:

Title: Discovery
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: * Discovery
Date Completed: 3/12/1980
Comments: FACILITY IDENTIFIED QUESTIONNAIRE SENT.

Title: Justification Letter of Removal 2908 Address
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01340004&enforcement_id=60443033
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Correspondence
Date Completed: 7/10/2018
Comments:

Title: Remedial Investigation Workplan/Historical Documents Review
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01340004&doc_id=6020220
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Remedial Investigation Workplan
Date Completed: 9/30/2008
Comments:

Title: Project Proponent Initiated VCA Termination
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01340004&doc_id=60447681
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Voluntary Cleanup Agreement Termination Notification
Date Completed: 8/23/2018
Comments: The Voluntary Cleanup Agreement termination was effective after one month of notification on 7/23/2018.

Title: Voluntary Cleanup Agreement
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01340004&enforcement_id=6012672
Area Name:
Area Link:
Sub Area:
Sub Area Link:

Document Type: Voluntary Cleanup Agreement
Date Completed: 8/5/2008
Comments: DTSC signed the Voluntary Cleanup Agreement.

Title: Voluntary Cleanup Agreement
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01340004&enforcement_id=60442051
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Voluntary Cleanup Agreement
Date Completed: 3/27/2018
Comments: DTSC entered in to a Voluntary Cleanup Agreement with 2904 Chapman Street LLC to oversee cleanup activities at the Site.

Title: Implementation of RI Workplan
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 11/4/2008
Comments: Fieldwork completed on 11/4/2008, but ground water samples still need to be collected from the monitoring wells.

59	1 of 1	NNW	0.33 / 1,747.68	35.48 / -2	DELAWARE DEVELOPMENT CORPORATION 2530 INTERNATIONAL BLVD Oakland CA 94601	ALAMEDA LOP

Record ID: RO0001126
Alt Record ID: SD0001126
Program: LUST
Release Type: UST
Site Contact: CHAN, BARNEY
RP Identification Date: 2/25/1992 12:00:00 AM
GIS Latitude: 37.7820166018
GIS Longitude: -122.2333265085
Data Source: Local Oversight Program Detailed Inventory; Local Oversight Program Inventory

--Details--
Program Element: 5602
Status: 9
Status Desc: Case closed
Substance: 8006619
Org Name: OAKLAND COMMUINITY HOUSING INC
Description 1: Case Closed
Description 2: Property/Fee Title Owner
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 9
Status Desc: Case closed
Substance: 8006619
Org Name: ALAMEDA COUNTY LOP
Description 1: Case Closed
Description 2: Not Applicable
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
60	1 of 1	NNW	0.34 / 1,789.69	37.21 / -1	DELAWARE DEVELOPMENT CORPORATION 2530 INTERNATIONAL OAKLAND CA 94601	LUST

Global ID:	T0600100439	**County:**	ALAMEDA
Status:	COMPLETED - CASE CLOSED	**Latitude:**	37.781909
Status Date:	1997-03-04 00:00:00	**Longitude:**	-122.232737
Case Type:	LUST CLEANUP SITE		
Date Source:	LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download		

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case Number:	01-0483	**Potential COC:**	Gasoline
Local Case Number:	RO0001126	**How Discovered:**	Other Means
Begin Date:	1989-09-15 00:00:00	**Stop Method:**	Other Means
Lead Agency:	ALAMEDA COUNTY LOP	**Stop Description:**	
Local Agency:		**Case Worker:**	
CUF Case:	YES	**File Location:**	All Files are on GeoTracker or in the Local Agency Database

Potential Media of Concern:	Other Groundwater (uses other than drinking water)
How Discovered Description:	
Calwater Watershed Name:	South Bay - East Bay Cities (204.20)
DWR GW Subbasin Name:	Santa Clara Valley - East Bay Plain (2-009.04)
Disadvantaged Community:	
Site History:	

Regulatory Activity

Action Type:	REMEDIATION
Date :	9999-09-09 00:00:00
Action:	Excavation
Action Type:	Other
Date :	1989-09-15 00:00:00
Action:	Leak Reported

Regulatory Contacts

Contact Type:	Regional Board Caseworker	**Address:**	1515 CLAY ST SUITE 1400
Contact Name:	Regional Water Board	**Email:**	
City:	OAKLAND	**Phone Number:**	
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)		

Status History

Status:	Completed - Case Closed
Status Date:	1997-03-04 00:00:00
Status:	Open - Case Begin Date
Status Date:	1989-09-15 00:00:00

LUST Cleanup Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)

Site Facility Name:	DELAWARE DEVELOPMENT CORPORATION	**Address:**	2530 INTERNATIONAL
Site Facility Type:	LUST CLEANUP SITE	**City:**	OAKLAND
Cleanup Status:	COMPLETED - CASE CLOSED	**Zip:**	94601
Project Status:		**County:**	ALAMEDA
Potential COC:	GASOLINE	**CUF Claim:**	2424
WDR Place Type:		**CUF Priority Assig:**	B
WDR File:		**CUF Amount Paid:**	$193,459

WDR Order:
File Location: ALL FILES ARE ON GEOTRACKER OR IN THE LOCAL AGENCY DATABASE
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: http://geotracker.waterboards.ca.gov/profile_report?global_id=T0600100439
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 3/4/1997
Cleanup History Link: http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0600100439&tabname=regulatoryhistory
Potential Media Of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
User Defined Beneficial Use: GW - MUNICIPAL AND DOMESTIC SUPPLY
DWR GW Sub Basin: Santa Clara Valley - East Bay Plain (2-009.04)
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: ALAMEDA COUNTY LOP (LEAD) - CASE #: RO0001126
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 01-0483
CASEWORKER: Regional Water Board

Site History:

No site history available

LUST Cleanup Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)

Status: Completed - Case Closed
Date : 3/4/1997

Status: Open - Case Begin Date
Date : 9/15/1989

LUST Cleanup Sites from GeoTracker Search - Cleanup Action(as of Jan 18, 2019)

Action Type: EXCAVATION
Phase:
Contaminant Mass Removed:
Description:
Begin Date: 9/9/9999
End Date: 9/9/9999

LUST Cleanup Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)

Action Type: Cleanup Action
Action Date: 9/9/9999
Received Issue Date:
Action: Excavation
Doc Link:

Action Type: Leak Action
Action Date: 9/15/1989
Received Issue Date:
Action: Leak Reported
Doc Link:

61	1 of 3	SSW	0.34 / 1,793.52	17.89 / -20	ESPOSITO PLATING CORP 2904-2908 CHAPMAN ST OAKLAND CA 94601	CERCLIS

Site ID: 0901193
Site EPA ID: CAD009174103
Site Street Address 2:
Site County Name: ALAMEDA
Site FIPS Code: 06001
Region Code: 09
Site SMSA No.: 7360
Site Prim. Latitude: 37D46M48S
Site Prim. Longitude: 122D12M54S
Lat Long Source:
RNON NPL Status Desc: NFRAP-Site does not qualify for the NPL based on existing information
RNPL Status Code: N
NPL Status: Not on the NPL
RFED Facility Code: N
RFED Facility Desc: Not a Federal Facility
USGS Hydro Unit No.: 18050004
Site Cong. Dist. Code: 08
ROT Desc: Unknown
FR NPL Update No.:
RFRA Code:

CERCLIS Assess History

OU ID:	00	***RALT Short Name:***	EPA In-House
Act Code ID:	001	***Act Start Date:***	
RAT Code:	VS	***Act Complete Date:***	4/1/1987 00:00:00
RAT Short Name:	ARCH SITE	***AGT Order No.:***	1500
RAT Name:	ARCHIVE SITE	***SH OU:***	
RAT Hist. Only Flag:		***SH Code:***	
RAT NSI Indicator:	B	***SH Seq:***	
RAT Level:	1	***SH Start Date:***	
RAT DEF OU:	00	***SH Complete Date:***	
RFBS Code:		***SH Lead:***	
SPA Code:	13		
RAT Def:	The decision is made that no further activity is planned at the site.		
Site Desc:			
Site Alias:			

CERCLIS Assess History

OU ID:	00	***RALT Short Name:***	
Act Code ID:		***Act Start Date:***	
RAT Code:		***Act Complete Date:***	
RAT Short Name:		***AGT Order No.:***	0
RAT Name:		***SH OU:***	
RAT Hist. Only Flag:		***SH Code:***	
RAT NSI Indicator:		***SH Seq:***	
RAT Level:		***SH Start Date:***	
RAT DEF OU:		***SH Complete Date:***	
RFBS Code:		***SH Lead:***	
SPA Code:			
RAT Def:			
Site Desc:	No description available .		
Site Alias:	ESPOSITO PLATING & POLISHING CORP,,,CA,;JACK ESPOSITO (OWNER),,,CA,;		

CERCLIS Assess History

OU ID:	00	***RALT Short Name:***	State (Fund)
Act Code ID:	001	***Act Start Date:***	6/1/1986 00:00:00
RAT Code:	PA	***Act Complete Date:***	4/1/1987 00:00:00
RAT Short Name:	PA	***AGT Order No.:***	130
RAT Name:	PRELIMINARY ASSESSMENT	***SH OU:***	
RAT Hist. Only Flag:		***SH Code:***	
RAT NSI Indicator:	B	***SH Seq:***	
RAT Level:	1	***SH Start Date:***	
RAT DEF OU:	00	***SH Complete Date:***	
RFBS Code:	P	***SH Lead:***	
SPA Code:	13		
RAT Def:	Collection of diverse existing information about the source and nature of the site hazard. It is EPA policy to complete the preliminary assessment within one year of site discovery.		
Site Desc:			
Site Alias:			

CERCLIS Assess History

OU ID:	00	***RALT Short Name:***	State (Fund)
Act Code ID:	001	***Act Start Date:***	
RAT Code:	DS	***Act Complete Date:***	6/1/1986 00:00:00
RAT Short Name:	DISCVRY	***AGT Order No.:***	10
RAT Name:	DISCOVERY	***SH OU:***	
RAT Hist. Only Flag:		***SH Code:***	
RAT NSI Indicator:	B	***SH Seq:***	
RAT Level:	1	***SH Start Date:***	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

RAT DEF OU: 00
SH Complete Date:
RFBS Code:
SH Lead:
SPA Code: 13
RAT Def: The process by which a potential hazardous waste site is brought to the attention of the EPA. The process can occur through the use of several mechanisms such as a phone call or referral by another government agency.
Site Desc:
Site Alias:

61	2 of 3	SSW	0.34 / 1,793.52	17.89 / -20	ESPOSITO PLATING CORP 2904-2908 CHAPMAN ST OAKLAND CA 94601	CERCLIS NFRAP

Site ID: 901193
Site FIPS Code: 6001
Site EPA ID: CAD009174103
Region Code: 9
Site Parent ID:
Site Cong. Dist. Code: 8
Site County Name: ALAMEDA
Federal Facility:
Parent Site Name:

CERCLIS-NFRAP Assess History

OU ID: 0
Act Start Date:
Act Code ID: 1
Act Complete Date: 4/1/1987
RAT Code: VS
AGT Order No.: 1500
RAT Short Name: ARCH SITE
SH OU:
RAT Name: ARCHIVE SITE
SH Code:
RAT Hist. Only Flag:
SH Seq:
RAT NSI Indicator: B
SH Start Date:
RAT Level: 1
SH Complete Date:
RAT DEF OU: 00
SH Lead:
RFBS Code:
SH Qual:
SPA Code: 13
RAQ Act. Qual Short:
RALT Short Name: EPA In-House
RNPL Status Code: N
RAT Def: The decision is made that no further activity is planned at the site.
RNON NPL Status Desc: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Assess History

OU ID: 0
Act Start Date: 6/1/1986
Act Code ID: 1
Act Complete Date: 4/1/1987
RAT Code: PA
AGT Order No.: 130
RAT Short Name: PA
SH OU:
RAT Name: PRELIMINARY ASSESSMENT
SH Code:
RAT Hist. Only Flag:
SH Seq:
RAT NSI Indicator: B
SH Start Date:
RAT Level: 1
SH Complete Date:
RAT DEF OU: 00
SH Lead:
RFBS Code: P
SH Qual:
SPA Code: 13
RAQ Act. Qual Short: NFRAP
RALT Short Name: State (Fund)
RNPL Status Code: N
RAT Def: Collection of diverse existing information about the source and nature of the site hazard. It is EPA policy to complete the preliminary assessment within one year of site discovery.
RNON NPL Status Desc: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Assess History

OU ID: 0
Act Start Date:
Act Code ID: 1
Act Complete Date: 6/1/1986
RAT Code: DS
AGT Order No.: 10
RAT Short Name: DISCVRY
SH OU:
RAT Name: DISCOVERY
SH Code:
RAT Hist. Only Flag:
SH Seq:
RAT NSI Indicator: B
SH Start Date:
RAT Level: 1
SH Complete Date:
RAT DEF OU: 00
SH Lead:
RFBS Code:
SH Qual:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

SPA Code: 13
RAQ Act. Qual Short:
RALT Short Name: State (Fund)
RNPL Status Code: N
RAT Def: The process by which a potential hazardous waste site is brought to the attention of the EPA. The process can occur through the use of several mechanisms such as a phone call or referral by another government agency.
RNON NPL Status Desc: NFRAP-Site does not qualify for the NPL based on existing information

---

61	3 of 3	SSW	0.34 / 1,793.52	17.89 / -20	ESPOSITO PLATING CORP 2904-2908 CHAPMAN ST OAKLAND CA 94601	SEMS ARCHIVE

Site ID: 0901193
FIPS Code: 06001
EPA ID: CAD009174103
Cong District: 08
NPL: Not on the NPL
Region: 09
Federal Facility: No
County: ALAMEDA
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

Action Information

Operable Units: 00
Start Actual: 06/01/1986
Action Code: DS
Finish Actual: 06/01/1986
Action Name: DISCVRY
Qual:
SEQ: 1
Curr Action Lead: St Perf

Operable Units: 00
Start Actual: 06/01/1986
Action Code: PA
Finish Actual: 04/01/1987
Action Name: PA
Qual: N
SEQ: 1
Curr Action Lead: St Perf

Operable Units: 00
Start Actual:
Action Code: VS
Finish Actual: 04/01/1987
Action Name: ARCH SITE
Qual:
SEQ: 1
Curr Action Lead: EPA Perf In-Hse

Operable Units: 00
Start Actual:
Action Code: VS
Finish Actual: 04/01/1987
Action Name: ARCH SITE
Qual:
SEQ: 1
Curr Action Lead: EPA Perf In-Hse

Operable Units: 00
Start Actual: 06/01/1986
Action Code: PA
Finish Actual: 04/01/1987
Action Name: PA
Qual: N
SEQ: 1
Curr Action Lead: St Perf

Operable Units: 00
Start Actual: 06/01/1986
Action Code: DS
Finish Actual: 06/01/1986
Action Name: DISCVRY
Qual:
SEQ: 1
Curr Action Lead: St Perf

62	1 of 1	WNW	0.34 / 1,819.52	24.16 / -14	Dreisbach Enterprises 2530 E 11TH ST OAKLAND CA 94601	DELISTED HAZ

Siteid: 391757
Latitude: 37.779668
Longitude: -122.235595
Original Source: CHAZ
Record Date: 04-JAN-2018

63	1 of 3	S	0.35 / 1,828.89	23.08 / -15	An-Fo Manufacturing Company, Inc. 3129 ELMWOOD AVE OAKLAND CA 94601	DELISTED HAZ

Siteid: 92164

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Latitude: 37.772663
Longitude: -122.228790
Original Source: CHAZ
Record Date: 09-JUL-2018

63	2 of 3	S	0.35 / 1,828.89	23.08 / -15	ANFO MANUFACTURING COMPANY 3129 ELMWOOD AVE Oakland CA 94601	ALAMEDA LOP

Record ID: RO0000713
Alt Record ID: SD0000713
Program: LUST
Release Type: UST
Site Contact: CHAN, BARNEY
RP Identification Date: 5/21/1996 12:00:00 AM
GIS Latitude: 37.7726376865
GIS Longitude: -122.2283567446
Data Source: Local Oversight Program Detailed Inventory; Local Oversight Program Inventory

--Details--

Program Element: 5602
Status: 9
Status Desc: Case closed
Substance: 8008206
Org Name: AN-FO MANUFACTURING CO
Description 1: Case Closed
Description 2: Property/Fee Title Owner
Description 3: Kerosene
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 9
Status Desc: Case closed
Substance: 8008206
Org Name: ALAMEDA COUNTY LOP
Description 1: Case Closed
Description 2: Not Applicable
Description 3: Kerosene
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

---

63	3 of 3	S	0.35 / 1,828.89	23.08 / -15	ANFO MANUFACTURING COMPANY 3129 ELMWOOD OAKLAND CA 94601	LUST

Global ID: T0600102007
Status: COMPLETED - CASE CLOSED
Status Date: 1998-06-22 00:00:00
Case Type: LUST CLEANUP SITE
County: ALAMEDA
Latitude: 37.772636
Longitude: -122.228836
Date Source: LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case Number: 01-2184
Local Case Number: RO0000713
Begin Date: 1996-05-20 00:00:00
Lead Agency: ALAMEDA COUNTY LOP
Potential COC: Kerosene
How Discovered: Other Means
Stop Method: Other Means
Stop Description:

Local Agency:
Case Worker:
CUF Case: YES
File Location: All Files are on GeoTracker or in the Local Agency Database

Potential Media of Concern: Other Groundwater (uses other than drinking water)
How Discovered Description:
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
DWR GW Subbasin Name: Santa Clara Valley - East Bay Plain (2-009.04)
Disadvantaged Community:
Site History:

Regulatory Activity

Action Type: REMEDIATION
Date : 9999-09-09 00:00:00
Action:

Action Type: RESPONSE
Date : 1998-06-18 00:00:00
Action: Other Report / Document

Action Type: Other
Date : 1996-05-20 00:00:00
Action: Leak Reported

Regulatory Contacts

Contact Type: Regional Board Caseworker
Address: 1515 CLAY ST SUITE 1400
Contact Name: Regional Water Board
Email:
City: OAKLAND
Phone Number:
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)

Status History

Status: Completed - Case Closed
Status Date: 1998-06-22 00:00:00

Status: Open - Case Begin Date
Status Date: 1996-05-20 00:00:00

LUST Cleanup Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)

Site Facility Name: ANFO MANUFACTURING COMPANY
Address: 3129 ELMWOOD
Site Facility Type: LUST CLEANUP SITE
City: OAKLAND
Cleanup Status: COMPLETED - CASE CLOSED
Zip: 94601
Project Status:
County: ALAMEDA
Potential COC: KEROSENE
CUF Claim: 11903
WDR Place Type:
CUF Priority Assig: B
WDR File:
CUF Amount Paid: $6,928
WDR Order:
File Location: ALL FILES ARE ON GEOTRACKER OR IN THE LOCAL AGENCY DATABASE
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: http://geotracker.waterboards.ca.gov/profile_report?global_id=T0600102007
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 6/22/1998
Cleanup History Link: http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0600102007&tabname=regulatoryhistory
Potential Media Of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
User Defined Beneficial Use: GW - MUNICIPAL AND DOMESTIC SUPPLY
DWR GW Sub Basin: Santa Clara Valley - East Bay Plain (2-009.04)
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: ALAMEDA COUNTY LOP (LEAD) - CASE #: RO0000713
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 01-2184
CASEWORKER: Regional Water Board

Site History:

No site history available

LUST Cleanup Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)

Status: Completed - Case Closed
Date : 6/22/1998

Status: Open - Case Begin Date
Date : 5/20/1996

LUST Cleanup Sites from GeoTracker Search - Cleanup Action(as of Jan 18, 2019)

Action Type: UNKNOWN
Phase:
Contaminant Mass Removed:
Description:
Begin Date: 9/9/9999
End Date: 9/9/9999

LUST Cleanup Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)

Action Type: Cleanup Action
Action Date: 9/9/9999
Received Issue Date:
Action:
Doc Link:

Action Type: Response Requested - Other
Action Date: 6/18/1998
Received Issue Date: 6/18/1998
Action: Other Report / Document
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600102007&doc_id=5943200

Action Type: Leak Action
Action Date: 5/20/1996
Received Issue Date:
Action: Leak Reported
Doc Link:

LUST Cleanup Sites from GeoTracker Search - Documents(as of Jan 18, 2019)

Document Type: Site Documents
Document Date: 6/18/1998
Type: OTHER REPORT / DOCUMENT
Title: RE: AN-FO MANUFACTURING
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600102007&document_id=5943200
Size :
Submitted By: JOHN SEAL (REGULATOR)
Submitted:

64	1 of 1	S	0.35 / 1,835.14	20.47 / -17	3014 CHAPMAN STREET REDEVELOPMENT 3030 CHAPMAN STREET OAKLAND CA 94601	LUST

Global ID: T10000011193
Status: OPEN - SITE ASSESSMENT
Status Date: 2018-06-15 00:00:00
Case Type: LUST CLEANUP SITE
Date Source: LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download
County: ALAMEDA
Latitude: 37.77261
Longitude: -122.23055

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case Number:		**Potential COC:**	Benzene, Diesel, Ethylbenzene, Gasoline, Naphthalene, Waste Oil / Motor / Hydraulic / Lubricating
Local Case Number:	RO0003288	**How Discovered:**	Other Means
Begin Date:	2017-12-21 00:00:00	**Stop Method:**	Close and Remove Tank
Lead Agency:	ALAMEDA COUNTY LOP	**Stop Description:**	2x 1,000 gal USTs and assiciated piping removed from ground with overexcavation in December 2017
Local Agency:	ALAMEDA COUNTY LOP	**Case Worker:**	JES
CUF Case:	NO	**File Location:**	All Files are on GeoTracker or in the Local Agency Database

Potential Media of Concern: Other Groundwater (uses other than drinking water), Soil
How Discovered Description: Tanks were discovered during installation of utilities for new mixed-use residential/commercial construction
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
DWR GW Subbasin Name: Santa Clara Valley - East Bay Plain (2-009.04)
Disadvantaged Community:
Site History:

2x 1,000 gal USTs and associated piping were discovered during post-construction installation of subsurface utilities along the northern side of the property. The USTs were removed from ground with over-excavation in December 2017. Soil and groundwater sampling conducted as part of confirmation sampling associated with the removal of the USTs indicated that a release of petroleum hydrocarbons had occurred. ACDEH requested additional sampling to characterize the nature and extents of the release.

Regulatory Activity

Action Type: ENFORCEMENT
Date : 2019-02-13 00:00:00
Action: Technical Correspondence / Assistance / Other

Action Type: ENFORCEMENT
Date : 2019-02-04 00:00:00
Action: Notice to Comply

Action Type: RESPONSE
Date : 2018-12-11 00:00:00
Action: Soil and Water Investigation Report

Action Type: ENFORCEMENT
Date : 2018-10-11 00:00:00
Action: Staff Letter

Action Type: RESPONSE
Date : 2018-08-14 00:00:00
Action: Soil and Water Investigation Workplan - Regulator Responded

Action Type: ENFORCEMENT
Date : 2018-06-15 00:00:00
Action: Staff Letter

Action Type: RESPONSE
Date : 2018-03-26 00:00:00
Action: Soil and Water Investigation Report - Regulator Responded

Action Type: ENFORCEMENT
Date : 2018-03-06 00:00:00
Action: Notice of Responsibility

Action Type: RESPONSE
Date : 2018-03-03 00:00:00
Action: Soil and Water Investigation Workplan - Regulator Responded

Action Type: RESPONSE
Date : 2018-02-26 00:00:00
Action: Phase I Assessment Report

Action Type: RESPONSE
Date : 2018-02-26 00:00:00

Action: Soil and Water Investigation Report

Action Type: ENFORCEMENT
Date : 2018-02-22 00:00:00
Action: Staff Letter

Action Type: ENFORCEMENT
Date : 2018-01-26 00:00:00
Action: Staff Letter

Action Type: Other
Date : 2018-01-12 00:00:00
Action: Leak Reported

Action Type: ENFORCEMENT
Date : 2018-01-03 00:00:00
Action: Staff Letter

Action Type: ENFORCEMENT
Date : 2017-12-26 00:00:00
Action: Email Correspondence

Action Type: Other
Date : 2017-12-19 00:00:00
Action: Leak Stopped

Action Type: REMEDIATION
Date : 2017-12-19 00:00:00
Action: Excavation

Action Type: Other
Date : 2017-12-06 00:00:00
Action: Leak Discovery

Regulatory Contacts

Contact Type: Local Agency Caseworker
Contact Name: JONATHAN E. SANDERS
City: ALAMEDA
Organization Name: ALAMEDA COUNTY LOP
Address: 1131 Harbor Bay Pkwy
Email: jonathan.sanders@acgov.org
Phone Number: 5105676791

Status History

Status: Open - Site Assessment
Status Date: 2018-06-15 00:00:00

Status: Open - Case Begin Date
Status Date: 2017-12-21 00:00:00

Status: Open - Active
Status Date: 2017-12-21 00:00:00

LUST Cleanup Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)

Site Facility Name: 3014 CHAPMAN STREET REDEVELOPMENT
Site Facility Type: LUST CLEANUP SITE
Cleanup Status: OPEN - SITE ASSESSMENT
Project Status:
Potential COC: BENZENE, DIESEL, ETHYLBENZENE, GASOLINE, NAPHTHALENE, WASTE OIL / MOTOR / HYDRAULIC / LUBRICATING
WDR Place Type:
WDR File:
WDR Order:
File Location: ALL FILES ARE ON GEOTRACKER OR IN THE LOCAL AGENCY DATABASE
Address: 3030 CHAPMAN STREET
City: OAKLAND
Zip: 94601
County: ALAMEDA
CUF Claim:
CUF Priority Assig:
CUF Amount Paid:

Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: http://geotracker.waterboards.ca.gov/profile_report?global_id=T10000011193
Cleanup Status Detail: OPEN - SITE ASSESSMENT AS OF 6/15/2018
Cleanup History Link: http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T10000011193&tabname=regulatoryhistory
Potential Media Of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER), SOIL
User Defined Beneficial Use: NONE SPECIFIED
DWR GW Sub Basin: Santa Clara Valley - East Bay Plain (2-009.04)
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: ALAMEDA COUNTY LOP (LEAD) - CASE #: RO0003288
CASEWORKER: JONATHAN E. SANDERS
SAN FRANCISCO BAY RWQCB (REGION 2)
Site History:

No site history available

LUST Cleanup Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)

Status: Open - Site Assessment
Date : 6/15/2018

Status: Open - Active
Date : 12/21/2017

Status: Open - Case Begin Date
Date : 12/21/2017

LUST Cleanup Sites from GeoTracker Search - Cleanup Action(as of Jan 18, 2019)

Action Type: EXCAVATION
Begin Date: 12/19/2017
Phase: Soil
End Date: 2/12/2018
Contaminant Mass Removed:
Description: Excavation conducted as part of UST system removal. The excavation is documented in the Subsurface Investigation and Excavation Report dated March 26, 2018. A total of 163.58 tons of soil was reportedly removed from the Site. Each of the two UST pits were excavated to a total depth of 10 feet below ground surface. Conveyance piping was excavated to a total depth of 1.5 feet below ground surface.

LUST Cleanup Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)

Action Type: Response Requested - Reports
Action Date: 12/11/2018
Received Issue Date:
Action: Soil and Water Investigation Report
Doc Link:

Action Type: Other Regulatory Actions
Action Date: 10/11/2018
Received Issue Date: 10/11/2018
Action: Staff Letter
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000011193&enforcement_id=6371958&temptable=ENFORCEMENT

Action Type: Response Requested - Workplans
Action Date: 8/14/2018
Received Issue Date: 8/10/2018
Action: Soil and Water Investigation Workplan - Regulator Responded
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000011193&doc_id=5967409

Action Type: Other Regulatory Actions
Action Date: 6/15/2018
Received Issue Date: 6/15/2018
Action: Staff Letter
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000011193&enforcement_id=6354160&temp

table=ENFORCEMENT

Action Type: Response Requested - Reports
Action Date: 3/26/2018
Received Issue Date: 3/26/2018
Action: Soil and Water Investigation Report - Regulator Responded
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000011193&doc_id=5955131

Action Type: Notices
Action Date: 3/6/2018
Received Issue Date: 3/6/2018
Action: Notice of Responsibility
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000011193&enforcement_id=6352694&temptable=ENFORCEMENT

Action Type: Response Requested - Workplans
Action Date: 3/3/2018
Received Issue Date: 1/12/2018
Action: Soil and Water Investigation Workplan - Regulator Responded
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000011193&doc_id=5952127

Action Type: Response Requested - Reports
Action Date: 2/26/2018
Received Issue Date: 1/5/2018
Action: Phase I Assessment Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000011193&doc_id=5952122

Action Type: Response Requested - Reports
Action Date: 2/26/2018
Received Issue Date: 1/5/2018
Action: Soil and Water Investigation Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000011193&doc_id=5952124

Action Type: Other Regulatory Actions
Action Date: 2/22/2018
Received Issue Date: 2/22/2018
Action: Staff Letter
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000011193&enforcement_id=6349409&temptable=ENFORCEMENT

Action Type: Other Regulatory Actions
Action Date: 1/26/2018
Received Issue Date: 1/26/2018
Action: Staff Letter
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000011193&enforcement_id=6346991&temptable=ENFORCEMENT

Action Type: Leak Action
Action Date: 1/12/2018
Received Issue Date:
Action: Leak Reported
Doc Link:

Action Type: Other Regulatory Actions
Action Date: 1/3/2018
Received Issue Date: 1/3/2018
Action: Staff Letter
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000011193&enforcement_id=6345766&temptable=ENFORCEMENT

Action Type: Other Regulatory Actions
Action Date: 12/26/2017
Received Issue Date: 12/26/2017
Action: Email Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000011193&enforcement_id=6345763&temptable=ENFORCEMENT

Action Type: Leak Action
Action Date: 12/19/2017

Received Issue Date:
Action: Leak Stopped
Doc Link:

Action Type: Cleanup Action
Action Date: 12/19/2017
Received Issue Date:
Action: Excavation
Doc Link:

Action Type: Leak Action
Action Date: 12/6/2017
Received Issue Date:
Action: Leak Discovery
Doc Link:

LUST Cleanup Sites from GeoTracker Search - Site Maps(as of Jan 18, 2019)

Title: SUBSURFACE INVESTIGATION REPORT (RO#3288_SWI_R_2018-03-26.PDF) (B2)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2379249274/T10000011193.PDF
Size : 341 KB
Submitted By: PAUL KING (AUTH_RP)
Submitted: 3/26/2018*

Title: SUBSURFACE INVESTIGATION REPORT (RO#3288_SWI_R_2018-03-26.PDF) (B4)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8059592902/T10000011193.PDF
Size : 334 KB
Submitted By: PAUL KING (AUTH_RP)
Submitted: 3/26/2018*

Title: SUBSURFACE INVESTIGATION REPORT (RO#3288_SWI_R_2018-03-26.PDF) (B3)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7932385385/T10000011193.PDF
Size : 340 KB
Submitted By: PAUL KING (AUTH_RP)
Submitted: 3/26/2018*

Title: GEO_MAP
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/5163199305/T10000011193.PDF
Size : 152 KB
Submitted By: PAUL KING (AUTH_RP)
Submitted: 3/26/2018*

Title: SUBSURFACE INVESTIGATION REPORT (RO#3288_SWI_R_2018-03-26.PDF) (B5)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7714169442/T10000011193.PDF
Size : 338 KB
Submitted By: PAUL KING (AUTH_RP)
Submitted: 3/26/2018*

Title: SUBSURFACE INVESTIGATION REPORT (RO#3288_SWI_R_2018-03-26.PDF) (B1)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3635535895/T10000011193.PDF
Size : 344 KB
Submitted By: PAUL KING (AUTH_RP)
Submitted: 3/26/2018*

Title: GEO_MAP
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/9491592645/T10000011193.PDF
Size : 141 KB
Submitted By: PAUL KING (AUTH_RP)
Submitted: 2/26/2018

Title: GEO_MAP
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/1633856415/T10000011193.PDF
Size : 140 KB
Submitted By: PAUL KING (AUTH_RP)
Submitted: 1/15/2018

Title: GEO_MAP
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/6354132294/T10000011193.PDF

Size : 401 KB
Submitted By: PAUL KING (AUTH_RP)
Submitted: 1/5/2018

Title: PHASE II ENVIRONMENTAL SITE ASSESSMENT (SB-5)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9421563923/T10000011193.PDF
Size : 194 KB
Submitted By: PAUL KING (AUTH_RP)
Submitted: 1/5/2018

Title: PHASE II ENVIRONMENTAL SITE ASSESSMENT (SB-2)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5468399286/T10000011193.PDF
Size : 196 KB
Submitted By: PAUL KING (AUTH_RP)
Submitted: 1/5/2018

Title: PHASE II ENVIRONMENTAL SITE ASSESSMENT (SB-4)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9301901459/T10000011193.PDF
Size : 189 KB
Submitted By: PAUL KING (AUTH_RP)
Submitted: 1/5/2018

Title: PHASE II ENVIRONMENTAL SITE ASSESSMENT (SB-3)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8512244105/T10000011193.PDF
Size : 327 KB
Submitted By: PAUL KING (AUTH_RP)
Submitted: 1/5/2018

Title: PHASE II ENVIRONMENTAL SITE ASSESSMENT (SB-1)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5329317092/T10000011193.PDF
Size : 198 KB
Submitted By: PAUL KING (AUTH_RP)
Submitted: 1/5/2018

LUST Cleanup Sites from GeoTracker Search - Documents(as of Jan 18, 2019)

Document Type: Site Documents
Document Date: 10/11/2018
Type: STAFF LETTER
Size :
Submitted By: JONATHAN E. SANDERS (REGULATOR)
Submitted:
Title: RO3288_DIR_L_2018-10-11
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000011193&enforcement_id=6371958

Document Type: Site Documents
Document Date: 8/10/2018
Type: SOIL AND WATER INVESTIGATION WORKPLAN
Size : 3,162 KB
Submitted By: PAUL KING (AUTH_RP)
Submitted:
Title: SUBSURFACE INVESTIGATION WORK PLAN (B6) CONCEPTUAL SITE MODEL SAMPLING AND ANALYSIS PLAN
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1071601569/T10000011193.PDF

Document Type: Site Documents
Document Date: 6/15/2018
Type: STAFF LETTER
Size :
Submitted By: JONATHAN E. SANDERS (REGULATOR)
Submitted:
Title: WP REQUEST: SUBSURFACE INVESTIGATION
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000011193&enforcement_id=6354160

Document Type: Site Documents
Document Date: 3/26/2018*
Type: SOIL AND WATER INVESTIGATION REPORT
Size : 20,385 KB
Submitted By: PAUL KING (AUTH_RP)
Submitted:
Title: SUBSURFACE INVESTIGATION REPORT (RO#3288_SWI_R_2018-03-26.PDF)
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8863134980/T10000011193.PDF

Document Type: Site Documents
Document Date: 3/6/2018
Type: NOTICE OF RESPONSIBILITY
Size :
Submitted By: JONATHAN E. SANDERS (REGULATOR)
Submitted:
Title: RO3288_NOR_2018-03-06
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000011193&enforcement_id=6352694

Document Type: Site Documents **Size :** 5,939 KB
Document Date: 2/26/2018 **Submitted By:** PAUL KING (AUTH_RP)
Type: OTHER REPORT / DOCUMENT **Submitted:**
Title: RO#3288_MISC_R_2018-02-26.PDF
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6945648431/T10000011193.PDF

Document Type: Site Documents **Size :**
Document Date: 2/22/2018 **Submitted By:** JONATHAN E. SANDERS (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: RO3288_DIR_L_2018-02-27
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000011193&enforcement_id=6349409

Document Type: Site Documents **Size :**
Document Date: 1/26/2018 **Submitted By:** JONATHAN E. SANDERS (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: RO3288_DIR_L_2018-01-26
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000011193&enforcement_id=6346991

Document Type: Site Documents **Size :** 608 KB
Document Date: 1/12/2018 **Submitted By:** PAUL KING (AUTH_RP)
Type: SOIL AND WATER INVESTIGATION WORKPLAN **Submitted:**
Title: RO#3288_WP_R_2018-01-12.PDF
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6989895761/T10000011193.PDF

Document Type: Site Documents **Size :** 11,432 KB
Document Date: 1/12/2018 **Submitted By:** PAUL KING (AUTH_RP)
Type: TANK REMOVAL REPORT / UST SAMPLING REPORT **Submitted:**
Title: RO#3288_TNK_R_2018-01-12.PDF
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3263403534/T10000011193.PDF

Document Type: Site Documents **Size :**
Document Date: 1/3/2018 **Submitted By:** JONATHAN E. SANDERS (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: RO3288_CORRES_L_2018-01-03
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000011193&enforcement_id=6345766

Document Type: Site Documents **Size :**
Document Date: 12/26/2017 **Submitted By:** JONATHAN E. SANDERS (REGULATOR)
Type: EMAIL CORRESPONDENCE **Submitted:**
Title: RO3288_CORRES_L_2017-12-26
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T10000011193&enforcement_id=6345763

Document Type: Site Documents **Size :** 1,615 KB
Document Date: 6/15/2015 **Submitted By:** PAUL KING (AUTH_RP)
Type: SOIL AND WATER INVESTIGATION REPORT **Submitted:**
Title: PHASE II ENVIRONMENTAL SITE ASSESSMENT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7618766486/T10000011193.PDF

Document Type: Site Documents **Size :** 50,570 KB
Document Date: 6/4/2015 **Submitted By:** PAUL KING (AUTH_RP)
Type: PHASE I ASSESSMENT REPORT **Submitted:**
Title: PHASE I ENVIRONMENTAL ASSESSMENT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1170556843/T10000011193.PDF

65	1 of 1	S	0.37 / 1,930.33	18.02 / -20	3014 CHAPMAN STREET REDEVELOPMENT 3014 CHAPMAN ST OAKLAND CA 94601-	ALAMEDA LOP

Record ID: RO0003288
Alt Record ID:
Program:
Release Type:
Site Contact: SANDERS, JONATHAN

RP Identification Date:
GIS Latitude:
GIS Longitude:
Data Source: Local Oversight Program Inventory

--Details--
Program Element: 5602
Status: 1
Status Desc: Leak confirmation
Substance:
Org Name:
Description 1:
Description 2:
Description 3:
Description 4:
Description 5:
Description 6:

66	1 of 3	NW	0.37 / 1,933.15	27.25 / -11	OAKLAND CITY OF, HOUSING AUTHORITY 1180 25TH AVE OAKLAND CA 94601	CERCLIS

Site ID:	0903434	**RNPL Status Code:**	N
Site EPA ID:	CA7860090045	**NPL Status:**	Not on the NPL
Site Street Address 2:		**RFED Facility Code:**	N
Site County Name:	ALAMEDA	**RFED Facility Desc:**	Not a Federal Facility
Site FIPS Code:	06001	**USGS Hydro Unit No.:**	18050004
Region Code:	09	**Site Cong. Dist. Code:**	08
Site SMSA No.:	7360	**ROT Desc:**	Other
Site Prim. Latitude:	37D46M48S	**FR NPL Update No.:**	
Site Prim. Longitude:	122D12M54S	**RFRA Code:**	
Lat Long Source:			

RNON NPL Status Desc: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS Assess History

OU ID:	00	**RALT Short Name:**	EPA In-House
Act Code ID:	001	**Act Start Date:**	
RAT Code:	VS	**Act Complete Date:**	6/21/1994 00:00:00
RAT Short Name:	ARCH SITE	**AGT Order No.:**	1500
RAT Name:	ARCHIVE SITE	**SH OU:**	
RAT Hist. Only Flag:		**SH Code:**	
RAT NSI Indicator:	B	**SH Seq:**	
RAT Level:	1	**SH Start Date:**	
RAT DEF OU:	00	**SH Complete Date:**	
RFBS Code:		**SH Lead:**	
SPA Code:	13		

RAT Def: The decision is made that no further activity is planned at the site.
Site Desc:
Site Alias:

CERCLIS Assess History

OU ID:	00	**RALT Short Name:**	EPA Fund
Act Code ID:	001	**Act Start Date:**	
RAT Code:	PA	**Act Complete Date:**	6/21/1994 00:00:00
RAT Short Name:	PA	**AGT Order No.:**	130
RAT Name:	PRELIMINARY ASSESSMENT	**SH OU:**	
RAT Hist. Only Flag:		**SH Code:**	
RAT NSI Indicator:	B	**SH Seq:**	
RAT Level:	1	**SH Start Date:**	
RAT DEF OU:	00	**SH Complete Date:**	
RFBS Code:	P	**SH Lead:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

SPA Code: 13
RAT Def: Collection of diverse existing information about the source and nature of the site hazard. It is EPA policy to complete the preliminary assessment within one year of site discovery.
Site Desc:
Site Alias:

CERCLIS Assess History

OU ID:	00	**RALT Short Name:**	
Act Code ID:		**Act Start Date:**	
RAT Code:		**Act Complete Date:**	
RAT Short Name:		**AGT Order No.:**	0
RAT Name:		**SH OU:**	
RAT Hist. Only Flag:		**SH Code:**	
RAT NSI Indicator:		**SH Seq:**	
RAT Level:		**SH Start Date:**	
RAT DEF OU:		**SH Complete Date:**	
RFBS Code:		**SH Lead:**	
SPA Code:			
RAT Def:			
Site Desc:	No description available .		
Site Alias:	No alias data available		

CERCLIS Assess History

OU ID:	00	**RALT Short Name:**	EPA Fund
Act Code ID:	001	**Act Start Date:**	
RAT Code:	DS	**Act Complete Date:**	5/1/1988 00:00:00
RAT Short Name:	DISCVRY	**AGT Order No.:**	10
RAT Name:	DISCOVERY	**SH OU:**	
RAT Hist. Only Flag:		**SH Code:**	
RAT NSI Indicator:	B	**SH Seq:**	
RAT Level:	1	**SH Start Date:**	
RAT DEF OU:	00	**SH Complete Date:**	
RFBS Code:		**SH Lead:**	
SPA Code:	13		

RAT Def: The process by which a potential hazardous waste site is brought to the attention of the EPA. The process can occur through the use of several mechanisms such as a phone call or referral by another government agency.
Site Desc:
Site Alias:

66	2 of 3	NW	0.37 / 1,933.15	27.25 / -11	OAKLAND CITY OF, HOUSING AUTHORITY 1180 25TH AVE OAKLAND CA 94601	CERCLIS NFRAP

Site ID:	903434	**Site FIPS Code:**	6001
Site EPA ID:	CA7860090045	**Region Code:**	9
Site Parent ID:		**Site Cong. Dist. Code:**	8
Site County Name:	ALAMEDA	**Federal Facility:**	
Parent Site Name:			

CERCLIS-NFRAP Assess History

OU ID:	0	**Act Start Date:**	
Act Code ID:	1	**Act Complete Date:**	5/1/1988
RAT Code:	DS	**AGT Order No.:**	10
RAT Short Name:	DISCVRY	**SH OU:**	
RAT Name:	DISCOVERY	**SH Code:**	
RAT Hist. Only Flag:		**SH Seq:**	
RAT NSI Indicator:	B	**SH Start Date:**	
RAT Level:	1	**SH Complete Date:**	
RAT DEF OU:	00	**SH Lead:**	
RFBS Code:		**SH Qual:**	

SPA Code:	13	**RAQ Act. Qual Short:**	
RALT Short Name:	EPA Fund	**RNPL Status Code:**	N
RAT Def:	The process by which a potential hazardous waste site is brought to the attention of the EPA. The process can occur through the use of several mechanisms such as a phone call or referral by another government agency.		
RNON NPL Status Desc:	NFRAP-Site does not qualify for the NPL based on existing information		

CERCLIS-NFRAP Assess History

OU ID:	0	**Act Start Date:**	
Act Code ID:	1	**Act Complete Date:**	6/21/1994
RAT Code:	PA	**AGT Order No.:**	130
RAT Short Name:	PA	**SH OU:**	
RAT Name:	PRELIMINARY ASSESSMENT	**SH Code:**	
RAT Hist. Only Flag:		**SH Seq:**	
RAT NSI Indicator:	B	**SH Start Date:**	
RAT Level:	1	**SH Complete Date:**	
RAT DEF OU:	00	**SH Lead:**	
RFBS Code:	P	**SH Qual:**	
SPA Code:	13	**RAQ Act. Qual Short:**	NFRAP
RALT Short Name:	EPA Fund	**RNPL Status Code:**	N
RAT Def:	Collection of diverse existing information about the source and nature of the site hazard. It is EPA policy to complete the preliminary assessment within one year of site discovery.		
RNON NPL Status Desc:	NFRAP-Site does not qualify for the NPL based on existing information		

CERCLIS-NFRAP Assess History

OU ID:	0	**Act Start Date:**	
Act Code ID:	1	**Act Complete Date:**	6/21/1994
RAT Code:	VS	**AGT Order No.:**	1500
RAT Short Name:	ARCH SITE	**SH OU:**	
RAT Name:	ARCHIVE SITE	**SH Code:**	
RAT Hist. Only Flag:		**SH Seq:**	
RAT NSI Indicator:	B	**SH Start Date:**	
RAT Level:	1	**SH Complete Date:**	
RAT DEF OU:	00	**SH Lead:**	
RFBS Code:		**SH Qual:**	
SPA Code:	13	**RAQ Act. Qual Short:**	
RALT Short Name:	EPA In-House	**RNPL Status Code:**	N
RAT Def:	The decision is made that no further activity is planned at the site.		
RNON NPL Status Desc:	NFRAP-Site does not qualify for the NPL based on existing information		

66	3 of 3	NW	0.37 / 1,933.15	27.25 / -11	**OAKLAND CITY OF, HOUSING AUTHORITY** **1180 25TH AVE** **OAKLAND CA 94601**	**SEMS ARCHIVE**

Site ID:	0903434	**FIPS Code:**	06001
EPA ID:	CA7860090045	**Cong District:**	08
NPL:	Not on the NPL	**Region:**	09
Federal Facility:	No	**County:**	ALAMEDA
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information		

Action Information

Operable Units:	00	**Start Actual:**	
Action Code:	PA	**Finish Actual:**	06/21/1994
Action Name:	PA	**Qual:**	N
SEQ:	1	**Curr Action Lead:**	EPA Perf
Operable Units:	00	**Start Actual:**	05/01/1988
Action Code:	DS	**Finish Actual:**	05/01/1988
Action Name:	DISCVRY	**Qual:**	
SEQ:	1	**Curr Action Lead:**	EPA Perf
Operable Units:	00	**Start Actual:**	

Action Code:	VS	**Finish Actual:**	06/21/1994
Action Name:	ARCH SITE	**Qual:**	
SEQ:	1	**Curr Action Lead:**	EPA Perf In-Hse
Operable Units:	00	**Start Actual:**	05/01/1988
Action Code:	DS	**Finish Actual:**	05/01/1988
Action Name:	DISCVRY	**Qual:**	
SEQ:	1	**Curr Action Lead:**	EPA Perf
Operable Units:	00	**Start Actual:**	
Action Code:	PA	**Finish Actual:**	06/21/1994
Action Name:	PA	**Qual:**	N
SEQ:	1	**Curr Action Lead:**	EPA Perf
Operable Units:	00	**Start Actual:**	
Action Code:	VS	**Finish Actual:**	06/21/1994
Action Name:	ARCH SITE	**Qual:**	
SEQ:	1	**Curr Action Lead:**	EPA Perf In-Hse

67	1 of 1	WSW	0.37 / 1,944.00	15.90 / -22	FILLMORE MARKS PROPERTY 534 23RD OAKLAND CA 94606	LUST

Global ID:	T0600101689	**County:**	ALAMEDA
Status:	COMPLETED - CASE CLOSED	**Latitude:**	37.77513
Status Date:	1996-10-18 00:00:00	**Longitude:**	-122.235692
Case Type:	LUST CLEANUP SITE		
Date Source:	LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download		

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case Number:	01-1823	**Potential COC:**	Gasoline
Local Case Number:	RO0000798	**How Discovered:**	Other Means
Begin Date:	1993-09-24 00:00:00	**Stop Method:**	Other Means
Lead Agency:	ALAMEDA COUNTY LOP	**Stop Description:**	
Local Agency:		**Case Worker:**	
CUF Case:	NO	**File Location:**	All Files are on GeoTracker or in the Local Agency Database

Potential Media of Concern:	Other Groundwater (uses other than drinking water)
How Discovered Description:	
Calwater Watershed Name:	South Bay - East Bay Cities (204.20)
DWR GW Subbasin Name:	Santa Clara Valley - East Bay Plain (2-009.04)
Disadvantaged Community:	
Site History:	

Regulatory Activity

Action Type:	REMEDIATION
Date :	9999-09-09 00:00:00
Action:	
Action Type:	Other
Date :	1993-09-24 00:00:00
Action:	Leak Reported

Regulatory Contacts

Contact Type:	Regional Board Caseworker	**Address:**	1515 CLAY ST SUITE 1400
Contact Name:	Regional Water Board	**Email:**	
City:	OAKLAND	**Phone Number:**	
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)		

Status History

Status: Completed - Case Closed
Status Date: 1996-10-18 00:00:00

Status: Open - Case Begin Date
Status Date: 1993-09-24 00:00:00

LUST Cleanup Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)

Site Facility Name: FILLMORE MARKS PROPERTY
Site Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Project Status:
Potential COC: GASOLINE
WDR Place Type:
WDR File:
WDR Order:
Address: 534 23RD
City: OAKLAND
Zip: 94606
County: ALAMEDA
CUF Claim:
CUF Priority Assig:
CUF Amount Paid:
File Location: ALL FILES ARE ON GEOTRACKER OR IN THE LOCAL AGENCY DATABASE
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: http://geotracker.waterboards.ca.gov/profile_report?global_id=T0600101689
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 10/18/1996
Cleanup History Link: http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0600101689&tabname=regulatoryhistory
Potential Media Of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
User Defined Beneficial Use: GW - MUNICIPAL AND DOMESTIC SUPPLY
DWR GW Sub Basin: Santa Clara Valley - East Bay Plain (2-009.04)
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: ALAMEDA COUNTY LOP (LEAD) - CASE #: RO0000798
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 01-1823
CASEWORKER: Regional Water Board
Site History:

No site history available

LUST Cleanup Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)

Status: Completed - Case Closed
Date : 10/18/1996

Status: Open - Case Begin Date
Date : 9/24/1993

LUST Cleanup Sites from GeoTracker Search - Cleanup Action(as of Jan 18, 2019)

Action Type: UNKNOWN
Phase:
Contaminant Mass Removed:
Description:
Begin Date: 9/9/9999
End Date: 9/9/9999

LUST Cleanup Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)

Action Type: Cleanup Action
Action Date: 9/9/9999
Received Issue Date:
Action:
Doc Link:

Action Type: Leak Action
Action Date: 9/24/1993
Received Issue Date:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Action: Leak Reported
Doc Link:

68	1 of 1	S	0.38 / 1,993.47	21.38 / -16	GOLD SEAL PLATING/SQUIRKENWORKS 3125 E. 7TH STREET OAKLAND CA 94601	ENVIROSTOR

Estor/EPA ID: 71002917
Site Code:
Nat Priority List: NO
Acres: NONE SPECIFIED
Special Program:
Funding:
Assembly District: 18
Senate District: 09
School District:
APN: NONE SPECIFIED
Cleanup Status: INACTIVE - NEEDS EVALUATION AS OF
Cleanup Oversight Agencies: NONE SPECIFIED
Site Type: TIERED PERMIT
Office: CLEANUP BERKELEY
Past Use that Caused Contam: NONE SPECIFIED
Potential Media Affected: NONE SPECIFIED
Potential Contamin of Concern:

NONE SPECIFIED

Permit Renewal Lead:
Project Manager:
Supervisor:
Public Partici Spclst:
Census Tract: 6001406100
County: ALAMEDA
Latitude: 37.772175
Longitude: -122.228882

Site History:

Status: INACTIVE - NEEDS EVALUATION
Program Type: TIERED PERMIT
CalEnviroScreen Score: 86-90%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=71002917

Completed Activities

Title: Closure Certification for tiered permit
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=71002917&doc_id=60283189
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: *Correspondence - Received
Date Completed: 3/1/1996
Comments: Closure certifications for treatment unit. These have not been verified by DTSC.

Title: Phase 1 Environmental Assessment Checklist
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=71002917&doc_id=60283187
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Phase 1
Date Completed: 12/27/1996
Comments: Phase 1 checklist indicates no further action due to no releases. Facility closed March 1, 1996. These have nopt been verified by DTSC.

69	1 of 1	WNW	0.38 / 2,020.74	24.14 / -14	EANDI METAL WORKS INC 2440 11TH OAKLAND CA 94606	LUST

Global ID: T0600100858
Status: COMPLETED - CASE CLOSED
Status Date: 2012-09-18 00:00:00
County: ALAMEDA
Latitude: 37.780047273742
Longitude: -122.236016392708

Case Type: LUST CLEANUP SITE
Date Source: LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case Number: NA
Local Case Number: RO0000029
Begin Date: 1992-05-11 00:00:00
Lead Agency: ALAMEDA COUNTY LOP
Local Agency:
CUF Case: YES
Potential COC: Gasoline
How Discovered: Tank Closure
Stop Method: Close and Remove Tank
Stop Description:
Case Worker:
File Location: All Files are on GeoTracker or in the Local Agency Database

Potential Media of Concern: Other Groundwater (uses other than drinking water)
How Discovered Description:
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
DWR GW Subbasin Name: Santa Clara Valley - East Bay Plain (2-009.04)
Disadvantaged Community:
Site History:

Three underground storage tanks (USTs) were removed from the Eandi Metal Works facility on May 11, 1992. Two of the USTs were located at the main portion of the Eandi Metal Works facility at 976 23rd Avenue and a 1,000-gallon gasoline UST was removed from the sidewalk area adjacent to the Eandi Metal Works building at 1440 East Eleventh Street. Soil samples collected adjacent to the two USTs removed from 976 23rd Avenue did not contain petroleum hydrocarbons at concentrations above reporting limits or contained low concentrations of petroleum hydrocarbons that were below applicable screening levels. Soil samples collected from the area of the 1,000-gallon UST at 1440 East Eleventh Street contained elevated concentrations of the TPHg and BTEX. Site investigation activities for this case have been focused on the former UST location at 1440 East Eleventh Street. Surrounding land use to 1440 East Eleventh Street is mixed commercial and residential. Following the removal of the 1,000-gallon gasoline UST from the sidewalk area adjacent to 1440 East Eleventh Street in May 1992, the soil from the tank pit excavation was spread nearby and allowed to aerate for nine months. The soil was then placed back in the excavation and covered with steel trench plates. In June 2004, the tank pit was partially re-excavated to collect soil samples from the sidewalls and base of the former tank pit. Petroleum hydrocarbons and oxygenates were not detected at concentrations above reporting limits. The tank pit was completely re-excavated in September 2004. The removed soil was air dried and then replaced in the excavation using a compactor. The UST area was then repaved in September 2004. In July 1995, five soil borings were advanced in the area of the former UST. Three of the borings were converted into monitoring wells (MW-1 through MW-3) and the remaining two borings (E-1 and E-2) were advanced to collect soil samples within the tank pit. Groundwater monitoring was conducted periodically from July 1995 to September 2010. In August 2004, seven soil borings (B-1 through B-7) were advanced to depths of 20 to 32 feet bgs to collect soil and grab groundwater samples. The grab groundwater results indicated that a plume of dissolved petroleum hydrocarbons extended approximately 200 feet downgradient (southwest) from the tank pit area. On September 28, 2006, two soil borings were advanced to a depth of 17 feet bgs for soil sampling and then were converted to monitoring wells (MW-4 and MW-5). On September 8, 2011, soil gas samples were collected from three locations. Total petroleum hydrocarbons as gasoline were detected in each of the three soil gas samples at concentrations ranging from 20 to 55 ppb. Benzene, toluene, ethylbenzene, and xylenes were not detected at concentrations exceeding reporting limits.

Regulatory Activity

Action Type: ENFORCEMENT
Date : 2012-09-18 00:00:00
Action: Closure/No Further Action Letter - #20120918

Action Type: RESPONSE
Date : 2012-08-31 00:00:00
Action: Well Destruction Report

Action Type: RESPONSE
Date : 2012-05-21 00:00:00
Action: Well Destruction Report

Action Type: ENFORCEMENT
Date : 2012-02-21 00:00:00
Action: Staff Letter - #20120221

Action Type: ENFORCEMENT
Date : 2011-12-30 00:00:00
Action: Notification - Preclosure - #20111230

Action Type: RESPONSE
Date : 2011-12-14 00:00:00
Action: Fact Sheets - Public Participation

Action Type: ENFORCEMENT
Date : 2011-11-09 00:00:00
Action: Staff Letter - #20111109

Action Type: ENFORCEMENT
Date : 2011-10-26 00:00:00
Action: File Review - Closure - #20111026

Action Type: RESPONSE
Date : 2011-07-29 00:00:00
Action: Site Assessment Report

Action Type: ENFORCEMENT
Date : 2011-05-04 00:00:00
Action: Notice to Comply - #20110504

Action Type: ENFORCEMENT
Date : 2010-10-11 00:00:00
Action: Staff Letter - #20101011

Action Type: ENFORCEMENT
Date : 2009-11-18 00:00:00
Action: File review

Action Type: ENFORCEMENT
Date : 2009-07-24 00:00:00
Action: Staff Letter - #20090724

Action Type: ENFORCEMENT
Date : 2009-01-30 00:00:00
Action: Staff Letter - #20090130

Action Type: Other
Date : 1992-05-27 00:00:00
Action: Leak Reported

Action Type: Other
Date : 1992-05-11 00:00:00
Action: Leak Stopped

Action Type: Other
Date : 1992-05-11 00:00:00
Action: Leak Discovery

Action Type: REMEDIATION
Date : 1992-05-11 00:00:00
Action: Excavation

Regulatory Contacts

Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
City: OAKLAND
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
Email:
Phone Number:

Status History

Status: Completed - Case Closed
Status Date: 2012-09-18 00:00:00

Status: Open - Verification Monitoring
Status Date: 2011-09-08 00:00:00

Status: Open - Site Assessment
Status Date: 2006-12-01 00:00:00

Status: Open - Site Assessment
Status Date: 1992-05-27 00:00:00

Status: Open - Case Begin Date
Status Date: 1992-05-11 00:00:00

LUST Cleanup Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)

Site Facility Name:	EANDI METAL WORKS INC	**Address:**	2440 11TH
Site Facility Type:	LUST CLEANUP SITE	**City:**	OAKLAND
Cleanup Status:	COMPLETED - CASE CLOSED	**Zip:**	94606
Project Status:		**County:**	ALAMEDA
Potential COC:	GASOLINE	**CUF Claim:**	17575
WDR Place Type:		**CUF Priority Assig:**	C
WDR File:		**CUF Amount Paid:**	$175,651
WDR Order:			

File Location: ALL FILES ARE ON GEOTRACKER OR IN THE LOCAL AGENCY DATABASE
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: http://geotracker.waterboards.ca.gov/profile_report?global_id=T0600100858
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 9/18/2012
Cleanup History Link: http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0600100858&tabname=regulatoryhistory
Potential Media Of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
User Defined Beneficial Use: GW - MUNICIPAL AND DOMESTIC SUPPLY
DWR GW Sub Basin: Santa Clara Valley - East Bay Plain (2-009.04)
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
Post Closure Site Management:
Future Land Use: COMMERCIAL
Cleanup Oversight Agencies: ALAMEDA COUNTY LOP (LEAD) - CASE #: RO0000029
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: NA
CASEWORKER: Regional Water Board

Site History:

Three underground storage tanks (USTs) were removed from the Eandi Metal Works facility on May 11, 1992. Two of the USTs were located at the main portion of the Eandi Metal Works facility at 976 23rd Avenue and a 1,000-gallon gasoline UST was removed from the sidewalk area adjacent to the Eandi Metal Works building at 1440 East Eleventh Street. Soil samples collected adjacent to the two USTs removed from 976 23rd Avenue did not contain petroleum hydrocarbons at concentrations above reporting limits or contained low concentrations of petroleum hydrocarbons that were below applicable screening levels. Soil samples collected from the area of the 1,000-gallon UST at 1440 East Eleventh Street contained elevated concentrations of the TPHg and BTEX. Site investigation activities for this case have been focused on the former UST location at 1440 East Eleventh Street. Surrounding land use to 1440 East Eleventh Street is mixed commercial and residential.

Following the removal of the 1,000-gallon gasoline UST from the sidewalk area adjacent to 1440 East Eleventh Street in May 1992, the soil from the tank pit excavation was spread nearby and allowed to aerate for nine months. The soil was then placed back in the excavation and covered with steel trench plates. In June 2004, the tank pit was partially re-excavated to collect soil samples from the sidewalls and base of the former tank pit. Petroleum hydrocarbons and oxygenates were not detected at concentrations above reporting limits. The tank pit was completely re-excavated in September 2004. The removed soil was air dried and then replaced in the excavation using a compactor. The UST area was then repaved in September 2004.

In July 1995, five soil borings were advanced in the area of the former UST. Three of the borings were converted into monitoring wells (MW-1 through MW-3) and the remaining two borings (E-1 and E-2) were advanced to collect soil samples within the tank pit. Groundwater monitoring was conducted periodically from July 1995 to September 2010.

In August 2004, seven soil borings (B-1 through B-7) were advanced to depths of 20 to 32 feet bgs to collect soil and grab groundwater samples. The grab groundwater results indicated that a plume of dissolved petroleum hydrocarbons extended approximately 200 feet downgradient (southwest) from the tank pit area.

On September 28, 2006, two soil borings were advanced to a depth of 17 feet bgs for soil sampling and then were converted to monitoring wells (MW-4 and MW-5).

On September 8, 2011, soil gas samples were collected from three locations. Total petroleum hydrocarbons as gasoline were detected in each of the three soil gas samples at concentrations ranging from 20 to 55 ppb. Benzene, toluene, ethylbenzene, and xylenes were not detected at concentrations exceeding reporting limits.

LUST Cleanup Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)

Status: Completed - Case Closed
Date : 9/18/2012

Status: Open - Verification Monitoring
Date : 9/8/2011

Status: Open - Site Assessment
Date : 12/1/2006

Status: Open - Site Assessment
Date : 5/27/1992

Status: Open - Case Begin Date
Date : 5/11/1992

LUST Cleanup Sites from GeoTracker Search - Cleanup Action(as of Jan 18, 2019)

Action Type: EXCAVATION
Phase: Soil
Contaminant Mass Removed:
Description:
Begin Date: 5/11/1992
End Date: 5/11/1992

LUST Cleanup Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)

Action Type: Other Regulatory Actions
Action Date: 9/18/2012
Received Issue Date: 9/18/2012
Action: Closure/No Further Action Letter - #20120918
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100858&enforcement_id=6138747&tempt able=ENFORCEMENT

Action Type: Response Requested - Reports
Action Date: 8/31/2012
Received Issue Date: 8/31/2012
Action: Well Destruction Report
Doc Link:

Action Type: Response Requested - Reports
Action Date: 5/21/2012
Received Issue Date: 8/31/2012
Action: Well Destruction Report
Doc Link:

Action Type: Other Regulatory Actions
Action Date: 2/21/2012
Received Issue Date: 2/21/2012
Action: Staff Letter - #20120221
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100858&enforcement_id=6113664&tempt able=ENFORCEMENT

Action Type: Notices
Action Date: 12/30/2011
Received Issue Date: 12/30/2011
Action: Notification - Preclosure - #20111230
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100858&enforcement_id=6107778&tempt able=ENFORCEMENT

Action Type: Response Requested - Other
Action Date: 12/14/2011
Received Issue Date: 12/27/2011
Action: Fact Sheets - Public Participation
Doc Link:

Action Type: Other Regulatory Actions
Action Date: 11/9/2011
Received Issue Date: 11/9/2011
Action: Staff Letter - #20111109
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100858&enforcement_id=6103698&tempt able=ENFORCEMENT

Action Type: Other Regulatory Actions
Action Date: 10/26/2011
Received Issue Date: 10/26/2011
Action: File Review - Closure - #20111026
Doc Link:

Action Type: Response Requested - Reports
Action Date: *7/29/2011
Received Issue Date: 9/9/2011
Action: Site Assessment Report
Doc Link:

Action Type: Enforcement/Orders
Action Date: 5/4/2011
Received Issue Date: 5/4/2011
Action: Notice to Comply - #20110504
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100858&enforcement_id=6085864&temptable=ENFORCEMENT

Action Type: Other Regulatory Actions
Action Date: 10/11/2010
Received Issue Date: 10/11/2010
Action: Staff Letter - #20101011
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100858&enforcement_id=6066342&temptable=ENFORCEMENT

Action Type: Other Regulatory Actions
Action Date: 11/18/2009
Received Issue Date: 11/18/2009
Action: File review
Doc Link:

Action Type: Other Regulatory Actions
Action Date: 7/24/2009
Received Issue Date: 7/24/2009
Action: Staff Letter - #20090724
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100858&enforcement_id=6024281&temptable=ENFORCEMENT

Action Type: Other Regulatory Actions
Action Date: 1/30/2009
Received Issue Date: 1/30/2009
Action: Staff Letter - #20090130
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100858&enforcement_id=6001903&temptable=ENFORCEMENT

Action Type: Leak Action
Action Date: 5/27/1992
Received Issue Date:
Action: Leak Reported
Doc Link:

Action Type: Leak Action
Action Date: 5/11/1992
Received Issue Date:
Action: Leak Stopped
Doc Link:

Action Type: Leak Action
Action Date: 5/11/1992
Received Issue Date:
Action: Leak Discovery
Doc Link:

Action Type: Cleanup Action
Action Date: 5/11/1992
Received Issue Date:
Action: Excavation
Doc Link:

LUST Cleanup Sites from GeoTracker Search - Site Maps(as of Jan 18, 2019)

Title: MW3 BORING LOG AND WELL COMPLETION DIAGRAM (MW3)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8927642107/T0600100858.PDF
Size : 942 KB
Submitted By: STREAMBORN (AUTH_RP)
Submitted: 9/12/2012

Title: B-1 THROUGH B-7 BORING LOGS (B-1 THROUGH B-7)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9939347743/T0600100858.PDF
Size : 684 KB
Submitted By: STREAMBORN (AUTH_RP)
Submitted: 9/12/2012

Title: GEO_MAP
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/2287093400/T0600100858.PDF
Size : 1,753 KB
Submitted By: STREAMBORN (AUTH_RP)
Submitted: 9/12/2012

Title: GEO_MAP
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/8630299389/T0600100858.PDF
Size : 4,293 KB
Submitted By: STREAMBORN (AUTH_RP)
Submitted: 9/12/2012

Title: E-2 BORING LOG (E-2)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4405781567/T0600100858.PDF
Size : 676 KB
Submitted By: STREAMBORN (AUTH_RP)
Submitted: 9/12/2012

Title: GEO_MAP
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/7623152971/T0600100858.PDF
Size : 405 KB
Submitted By: STREAMBORN (AUTH_RP)
Submitted: 9/12/2012

Title: GEO_MAP
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/8800399720/T0600100858.PDF
Size : 1,064 KB
Submitted By: STREAMBORN (AUTH_RP)
Submitted: 9/12/2012

Title: E-1 BORING LOG (E-1)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4350325822/T0600100858.PDF
Size : 661 KB
Submitted By: STREAMBORN (AUTH_RP)
Submitted: 9/12/2012

Title: MW2 BORING LOG AND WELL COMPLETION DIAGRAM (MW2)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5923130810/T0600100858.PDF
Size : 961 KB
Submitted By: STREAMBORN (AUTH_RP)
Submitted: 9/12/2012

Title: GEO_MAP
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/8877304017/T0600100858.PDF
Size : 1,653 KB
Submitted By: STREAMBORN (AUTH_RP)
Submitted: 9/12/2012

Title: MW1 BORING LOG AND WELL COMPLETION DIAGRAM (MW1)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9047866761/T0600100858.PDF
Size : 905 KB
Submitted By: STREAMBORN (AUTH_RP)
Submitted: 9/12/2012

Title: GEO BORE MW5 (MW5)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1732408821/T0600100858.PDF
Size : 182 KB
Submitted By: STREAMBORN (AUTH_RP)
Submitted: 9/26/2009

Title: GEO BORE MW4 (MW4)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1250109016/T0600100858.PDF
Size : 84 KB
Submitted By: STREAMBORN (AUTH_RP)
Submitted: 9/26/2009

Title: GEO_MAP
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/9807259678/T0600100858.PDF
Size : 3,356 KB
Submitted By: STREAMBORN (AUTH_RP)
Submitted: 9/22/2009

LUST Cleanup Sites from GeoTracker Search - Documents(as of Jan 18, 2019)

Document Type: Site Documents **Size :** 184 KB
Document Date: 10/18/2012* **Submitted By:** STREAMBORN (AUTH_RP)
Type: OTHER REPORT / DOCUMENT **Submitted:**
Title: RESCISSION OF MINOR ENCROACHMENT PERMIT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1287065029/T0600100858.PDF

Document Type: Site Documents **Size :** 4,493 KB
Document Date: 9/18/2012* **Submitted By:** STREAMBORN (AUTH_RP)
Type: CORRESPONDENCE **Submitted:**
Title: CASE CLOSURE-NO FURTHER ACTION
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3757358610/T0600100858.PDF

Document Type: Site Documents **Size :**
Document Date: 9/18/2012 **Submitted By:** JERRY WICKHAM (REGULATOR)
Type: CLOSURE/NO FURTHER ACTION LETTER **Submitted:**
Title: CLOS_L_2012-09-18
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100858&enforcement_id=6138747

Document Type: Site Documents **Size :** 150 KB
Document Date: 8/31/2012 **Submitted By:** STREAMBORN (AUTH_RP)
Type: SITE INVESTIGATION COMPLETE **Submitted:**
Title: 2012.8.31 COMPILED TABLE OF GROUNDWATER RESULTS FROM TEMPORARILY-CASED BOREHOLES
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3079633593/T0600100858.PDF

Document Type: Site Documents **Size :** 19,757 KB
Document Date: 8/31/2012 **Submitted By:** STREAMBORN (AUTH_RP)
Type: CLOSURE REPORT **Submitted:**
Title: WELL DESTRUCTION REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7148467957/T0600100858.PDF

Document Type: Site Documents **Size :** 73 KB
Document Date: 8/31/2012 **Submitted By:** STREAMBORN (AUTH_RP)
Type: SITE INVESTIGATION COMPLETE **Submitted:**
Title: 2012.8.31 COMPILED TABLE OF WELL COMPLETION INFORMATION
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6724061489/T0600100858.PDF

Document Type: Site Documents **Size :** 3,023 KB
Document Date: 8/31/2012 **Submitted By:** STREAMBORN (AUTH_RP)
Type: CLOSURE REPORT **Submitted:**
Title: REQUEST TO RESCIND ENCROACHMENT PERMIT ENMI 06363
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5886234343/T0600100858.PDF

Document Type: Site Documents **Size :** 105 KB
Document Date: 8/31/2012 **Submitted By:** STREAMBORN (AUTH_RP)
Type: SITE INVESTIGATION COMPLETE **Submitted:**
Title: 2012.8.31 COMPILED TABLE OF SOIL ANALYTICAL DATA
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8038450121/T0600100858.PDF

Document Type: Site Documents **Size :**
Document Date: 2/21/2012 **Submitted By:** JERRY WICKHAM (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: DIR_L_2012-02-21
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100858&enforcement_id=6113664

Document Type: Site Documents **Size :** 6,441 KB
Document Date: 12/30/2011 **Submitted By:** STREAMBORN (AUTH_RP)
Type: FACT SHEETS - PUBLIC PARTICIPATION **Submitted:**
Title: PUBLIC NOTIFICATION OF POTENTIAL CLOSURE OF FUEL LEAK CASE
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1745349943/T0600100858.PDF

Document Type: Site Documents **Size :**
Document Date: 12/30/2011 **Submitted By:** JERRY WICKHAM (REGULATOR)
Type: NOTIFICATION - PRECLOSURE **Submitted:**
Title: PUBLIC NOTIFICATION OF POTENTIAL CASE CLOSURE
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100858&enforcement_id=6107778

Document Type: Site Documents **Size :**
Document Date: 11/9/2011 **Submitted By:** JERRY WICKHAM (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: LNDOWNR_REQ_L_2011-11-09
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100858&enforcement_id=6103698

Document Type: Site Documents **Size :** 11,075 KB
Document Date: 9/17/2011 **Submitted By:** STREAMBORN (AUTH_RP)
Type: SITE INVESTIGATION **Submitted:**
Title: SOILGAS MONITORING CONDUCTED 8 AUGUST 2011
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5303903162/T0600100858.PDF

Document Type: Site Documents **Size :**
Document Date: 5/4/2011 **Submitted By:** JERRY WICKHAM (REGULATOR)
Type: NOTICE TO COMPLY **Submitted:**
Title: ENF_L_2011-05-04
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100858&enforcement_id=6085864

Document Type: Site Documents **Size :** 1,168 KB
Document Date: 10/29/2010 **Submitted By:** STREAMBORN (AUTH_RP)
Type: OTHER REPORT / DOCUMENT **Submitted:**
Title: DISPOSAL OF INVESTIGATION-DERIVED WASTE CONDUCTED 6 OCTOBER 2010
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9673853576/T0600100858.PDF

Document Type: Site Documents **Size :**
Document Date: 10/11/2010 **Submitted By:** JERRY WICKHAM (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: DIR_L_2010-10-11
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100858&enforcement_id=6066342

Document Type: Monitoring Reports **Size :** 5,834 KB
Document Date: 10/5/2010 **Submitted By:** STREAMBORN (AUTH_RP)
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Title: GROUNDWATER MONITORING CONDUCTED 10 SEPTEMBER 2010
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2881897926/T0600100858.PDF

Document Type: Site Documents **Size :** 5,582 KB
Document Date: 9/27/2010 **Submitted By:** STREAMBORN (AUTH_RP)
Type: OTHER WORKPLAN **Submitted:**
Title: WORKPLAN TO CONDUCT SOILGAS INVESTIGATION
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2206696867/T0600100858.PDF

Document Type: Monitoring Reports **Size :** 4,905 KB
Document Date: 4/20/2010 **Submitted By:** STREAMBORN (AUTH_RP)
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Title: GROUNDWATER MONITORING CONDUCTED 8 MARCH 2010
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7849778175/T0600100858.PDF

Document Type: Monitoring Reports **Size :** 12,136 KB
Document Date: 9/30/2009 **Submitted By:** STREAMBORN (AUTH_RP)

Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Title: GROUNDWATER MONITORING CONDUCTED 1 SEP 09
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1920058310/T0600100858.PDF

Document Type: Site Documents **Size :**
Document Date: 7/24/2009 **Submitted By:** STEVEN PLUNKETT (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: DIR_L
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100858&enforcement_id=6024281

Document Type: Site Documents **Size :** 8,150 KB
Document Date: 6/30/2009* **Submitted By:** STREAMBORN (AUTH_RP)
Type: FEASIBILITY STUDY REPORT **Submitted:**
Title: DRAFT FEASIBILITY STUDY-CORRECTIVE ACTION PLAN FOR REMDIATION OF PETROLEUM RELEASES
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8234329164/T0600100858.PDF

Document Type: Monitoring Reports **Size :** 6,870 KB
Document Date: 3/20/2009 **Submitted By:** STREAMBORN (AUTH_RP)
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Title: GROUNDWATER MONITORING CONDUCTED 3 MARCH 2009
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7510879993/T0600100858.PDF

Document Type: Site Documents **Size :**
Document Date: 1/30/2009 **Submitted By:** MYLE DANH (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: DIR_L
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100858&enforcement_id=6001903

Document Type: Monitoring Reports **Size :** 7,056 KB
Document Date: 11/14/2008 **Submitted By:** STREAMBORN (AUTH_RP)
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Title: GROUNDWATER MONITORING CONDUCTED 8 SEPTEMBER 2008
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2854462146/T0600100858.PDF

Document Type: Monitoring Reports **Size :** 6,479 KB
Document Date: 4/30/2008 **Submitted By:** STREAMBORN (AUTH_RP)
Type: MONITORING REPORT - SEMI-ANNUAL **Submitted:**
Title: GROUNDWATER MONITORING CONDUCTED 10 MARCH 2008
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1931416392/T0600100858.PDF

Document Type: Monitoring Reports **Size :** 4,150 KB
Document Date: 10/25/2007 **Submitted By:** STREAMBORN (AUTH_RP)
Type: MONITORING REPORT - SEMI-ANNUAL **Submitted:**
Title: LETTER REPORT GROUNDWATER MONITORING CONDUCTED 10 SEPTEMBER 2007
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7588564813/T0600100858.PDF

Document Type: Monitoring Reports **Size :** 9,849 KB
Document Date: 4/14/2007 **Submitted By:** STREAMBORN (AUTH_RP)
Type: MONITORING REPORT - SEMI-ANNUAL **Submitted:**
Title: GROUNDWATER MONITORING CONDUCTED 20 MARCH 2007
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9692075967/T0600100858.PDF

Document Type: Site Documents **Size :** 6,522 KB
Document Date: 12/6/2006 **Submitted By:** STREAMBORN (AUTH_RP)
Type: REPORTS - INVESTIGATION RPT. **Submitted:**
Title: INSTALLATION OF ADDITIONAL GROUNDWATER MONITORING WELLS CONDUCTED 28 SEPTEMBER 2006 AND GROUNDWATER MONITORING CONDUCTED 2 OCTOBER 2006
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7445234537/T0600100858.PDF

Document Type: Site Documents **Size :** 15,120 KB
Document Date: 7/10/2006 **Submitted By:** STREAMBORN (AUTH_RP)
Type: WORKPLANS - INVESTIGATION WP **Submitted:**
Title: INSTALLATION AND SAMPLING OF GROUNDWATER MONITORING WELLS DATED 20 JUNE 2006
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3831419229/T0600100858.PDF

Document Type: Site Documents **Size :** 11,978 KB
Document Date: 5/3/2006 **Submitted By:** STREAMBORN (AUTH_RP)
Type: REPORTS - INVESTIGATION RPT. **Submitted:**
Title: SITE CONCEPTUAL MODEL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1593503654/T0600100858.PDF

Document Type: Monitoring Reports
Size : 11,269 KB
Document Date: 3/25/2005
Submitted By: STREAMBORN (AUTH_RP)
Type: MONITORING REPORT - SEMI-ANNUALLY
Submitted:
Title: GROUNDWATER MONITORING CONDUCTED 2 MAR 2005
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8545141935/T0600100858.PDF

70	1 of 1	SSW	0.39 / 2,039.80	17.23 / -21	F&F PRECISION GRINDING 510 DERBY AVE OAKLAND CA 94601	ALAMEDA LOP

Record ID: RO0002866
Alt Record ID:
Program:
Release Type:
Site Contact: WICKHAM, JERRY
RP Identification Date:
GIS Latitude:
GIS Longitude:
Data Source: Local Oversight Program Inventory

--Details--
Program Element: 5502
Status: 1,5C,9
Status Desc: Leak confirmation,Pollution characterization,Case closed
Substance:
Org Name:
Description 1:
Description 2:
Description 3:
Description 4:
Description 5:
Description 6:

71	1 of 1	SSW	0.39 / 2,054.40	17.89 / -20	F&F PRECISION GRINDING 510 DERBY OAKLAND CA 94601	CLEANUP SITES

Global ID: T06019786231
Site Facility Type: CLEANUP PROGRAM SITE
Status: COMPLETED - CASE CLOSED
County: ALAMEDA
Status Date: 2008-04-11 00:00:00
Latitude: 37.77211
Site Code:
Longitude: -122.23133
Data Source: Cleanup Program Sites from GeoTracker Search; Cleanup Sites from GeoTracker Cleanup Sites Data Download

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case Number: NA
CUF Case: NO
Local Case Number: RO0002866
Case Worker:
Begin Date: 2004-06-08 00:00:00
File Location: All Files are on GeoTracker or in the Local Agency Database
Stop Method: Other Means
Lead Agency: ALAMEDA COUNTY LOP
Local Agency:
Potential COC: Diesel, Gasoline, Nickel
Potential Media of Concern: Other Groundwater (uses other than drinking water)
How Discovered: * SA
How Discovered Description:
Stop Description:
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
DWR GW Subbasin Name: Santa Clara Valley - East Bay Plain (2-009.04)
Disadvantaged Community:
Site History:

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Acitivity

Action Type: REMEDIATION
Date : 9999-09-09 00:00:00
Action:

Action Type: ENFORCEMENT
Date : 2008-04-11 00:00:00
Action: Closure/No Further Action Letter - #20080411

Action Type: Other
Date : 2004-06-30 00:00:00
Action: Leak Reported

Action Type: Other
Date : 2004-06-08 00:00:00
Action: Leak Discovery

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 2008-04-11 00:00:00

Status: Open - Site Assessment
Status Date: 2004-06-08 00:00:00

Status: Open - Case Begin Date
Status Date: 2004-06-08 00:00:00

Cleanup Program Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)

Project Status:
CUF Claim:
CUF Priority Assign:
CUF Amount Paid:
WDR Place Type:
WDR File:
WDR Order:
File Location: ALL FILES ARE ON GEOTRACKER OR IN THE LOCAL AGENCY DATABASE
User Defined Beneficial Use:
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: http://geotracker.waterboards.ca.gov/profile_report?global_id=T06019786231
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 4/11/2008
Cleanup History Link: http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T06019786231&tabname=regulatoryhistory
Potential COC: DIESEL, GASOLINE, NICKEL
Potential Media Of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
DWR GW Sub Basin: Santa Clara Valley - East Bay Plain (2-009.04)
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
Post Closure Site Management: DAY CARE CENTER PROHIBITED
ELDER CARE CENTER PROHIBITED
HOSPITAL USE PROHIBITED
PERFORM H&S PLAN PRIOR TO SUBSURFACE WORK
PUBLIC OR PRIVATE SCHOOL FOR PERSONS UNDER 21 PROHIBITED
RAISING OF FOOD PROHIBITED
RESIDENCE USE PROHIBITED
Future Land Use:
Cleanup Oversight Agencies: ALAMEDA COUNTY LOP (LEAD) - CASE #: RO0002866
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: NA
Site History:

No site history available

Cleanup Program Sites from GeoTracker Search - Cleanup Action(as of Jan 18, 2019)

Action Type: UNKNOWN ***Begin Date:*** 9/9/9999

Phase: **End Date:** 9/9/9999
Description:
Contaminant Mass Removed:

Cleanup Program Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)

Action Type: Cleanup Action
Action Date: 9/9/9999
Received Issue Date:
Action:
Doc Link:
Title Description Comments:

Action Type: Other Regulatory Actions
Action Date: 4/11/2008
Received Issue Date: 4/11/2008
Action: Closure/No Further Action Letter - #20080411
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019786231&enforcement_id=6075150&temptable=ENFORCEMENT
Title Description Comments:

CLOS_L_2008-04-11

Action Type: Leak Action
Action Date: 6/30/2004
Received Issue Date:
Action: Leak Reported
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 6/8/2004
Received Issue Date:
Action: Leak Discovery
Doc Link:
Title Description Comments:

Cleanup Program Sites from GeoTracker Search - Documents(as of Jan 18, 2019)

Document Type: Site Documents **Submitted:**
Document Date: 4/11/2008 **Submitted By:** JERRY WICKHAM (REGULATOR)
Size : 517 KB
Title: CASE CLOSURE LETTER
Title Link: http://geotracker.waterboards.ca.gov/site_documents/9636260807/RO2866%20FF%20Grinding%2C%20510%20Derby%2C%20Oakland%20closure%20letter%2004%2D11%2D2008%2Epdf
Type: LETTER

Document Type: Site Documents **Submitted:**
Document Date: 4/11/2008 **Submitted By:** JERRY WICKHAM (REGULATOR)
Size :
Title: CLOS_L_2008-04-11
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019786231&enforcement_id=6075150
Type: CLOSURE/NO FURTHER ACTION LETTER

Document Type: Site Documents **Submitted:**
Document Date: 11/27/2007 **Submitted By:** BRAND BURFIELD (AUTH_RP)
Size : 421 KB
Title: RESPONSE LETTER
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6007123649/T06019786231.PDF
Type: CORRESPONDENCE - DIRECTIVE RELATED

Document Type: Site Documents **Submitted:**
Document Date: 9/13/2007 **Submitted By:** BRAND BURFIELD (AUTH_RP)

Size : 3,596 KB
Title: PHASE I ESA
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2133702158/T06019786231.PDF
Type: REPORTS - OTHER

Document Type: Site Documents
Submitted:
Document Date: 9/13/2007
Submitted By: BRAND BURFIELD (AUTH_RP)
Size : 1,924 KB
Title: RESPONSE LETTER
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5886961221/T06019786231.PDF
Type: CORRESPONDENCE - DIRECTIVE RELATED

Document Type: Site Documents
Submitted:
Document Date: 3/13/2007
Submitted By: BRAND BURFIELD (AUTH_RP)
Size : 2,265 KB
Title: SUBSURFACE INVESTIGATION REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2856519401/T06019786231.PDF
Type: REPORTS - INVESTIGATION RPT.

Cleanup Program Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)

Status: Completed - Case Closed
Date : 4/11/2008

Status: Open - Site Assessment
Date : 6/8/2004

Status: Open - Case Begin Date
Date : 6/8/2004

72	1 of 1	WNW	0.39 / 2,060.32	22.80 / -15	EANDI METAL WORKS INC 2440 E 11TH ST OAKLAND CA 94606	ALAMEDA LOP

Record ID: RO0000029
Alt Record ID: SD0000029
Program: LUST
Release Type: UST
Site Contact: WICKHAM, JERRY
RP Identification Date: 3/25/1993 12:00:00 AM
GIS Latitude: 37.7801742116
GIS Longitude: -122.2361740472
Data Source: Local Oversight Program Detailed Inventory; Local Oversight Program Inventory

--Details--
Program Element: 5602
Status: 5C,9
Status Desc: Pollution characterization,Case closed
Substance: 8006619
Org Name: ALAMEDA COUNTY LOP
Description 1: Case Closed
Description 2: Not Applicable
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 5C,9
Status Desc: Pollution characterization,Case closed
Substance: 8006619
Org Name: ALAMEDA COUNTY LOP
Description 1: Pollution Characterization
Description 2: Not Applicable
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

---

73	1 of 1	WSW	0.39 / 2,063.04	13.93 / -24	FILLMORE MARKS PROPERTY 534 23RD AVE Oakland CA 94606	ALAMEDA LOP

Record ID: RO0000798
Alt Record ID: SD0000798
Program: LUST
Release Type: UST
Site Contact: CHAN, BARNEY
RP Identification Date: 9/27/1993 12:00:00 AM
GIS Latitude: 37.7753311322
GIS Longitude: -122.2360320763
Data Source: Local Oversight Program Detailed Inventory; Local Oversight Program Inventory

--Details--
Program Element: 5602
Status: 9
Status Desc: Case closed
Substance: 8006619
Org Name: ALAMEDA COUNTY LOP
Description 1: Case Closed
Description 2: Not Applicable
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 9
Status Desc: Case closed
Substance: 8006619
Org Name: SAN PABLO AVE VENTURE
Description 1: Case Closed
Description 2: Property/Fee Title Owner
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

---

74	1 of 1	ESE	0.40 / 2,091.18	38.93 / 1	BART Parking Lot 3501-3601 E. 12th Street Oakland CA 94601	FED BROWNFIELDS

Type of Funding: N/A
Acres Property ID: 15202
Property Size(Acres): 3.64
Local Property No: 033-2197-019 and 033-2177-021
Ownership Entity: Government
Current Owner: Bay Area Rapid Transit
Did Ownership Change: N
Sfllp Fact into the Owship:
Latitude: 37.77604
Longitude: -122.22301
Horizontal Collection Mthd: Address Matching-House Number
Source Map Scale: 1:24,000
Reference Point: Entrance Point of a Facility or Station
Horiz Reference Datum: World Geodetic System of 1984
Cleanup Required: Y
Cntmnt Fnd Ctrl Sbstncs:
Cntmnt Fnd Petroleum: Y
Cntmnt Fnd Asbestos:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Cntmnt Fnd Lead:						
Cntmnt Fnd Pahs:						
Cntmnt Fnd Pcbs:						
Cntmnt Fnd Vocs:		Yes				
Cntmnt Fnd Selenium:						
Cntmnt Fnd Iron:						
Cntmnt Fnd Arsenic:						
Cntmnt Fnd Cadmium:						
Cntmnt Fnd Chromium:						
Cntmnt Fnd Copper:						
Cntmnt Fnd Mercury:						
Cntmnt Fnd Nickel:						
Cntmnt Fnd Pesticides:						
Cntmnt Fnd Svocs:						
Cntmnt Fnd Other Metals:		Y				
Cntmnt Fnd Other:						
Cntmnt Fnd Other Descr :						
Cntmnt Fnd Unknown:						
Cntmnt Fnd None:						
Cntmnt Clnd Up Ctl Sbst:						
Cntmnt Clnd Up Petroleum:		Yes				
Cntmnt Clnd Up Asbestos:						
Cntmnt Clnd Up Lead:						
Cntmnt Clnd Up PAHs:						
Cntmnt Clnd Up PCBs:						
Cntmnt Clnd Up VOCs:		Yes				
Cntmnt Clnd Up Selenium:						
Cntmnt Clnd Up Iron:						
Cntmnt Clnd Up Arsenic:						
Cntmnt Clnd Up Cadmium:						
Cntmnt Clnd Up Chromium:						
Cntmnt Clnd Up Copper:						
Cntmnt Clnd Up Mercury:						
Cntmnt Clnd Up Nickel:						
Cntmnt Clnd Up Pesticides:						
Cntmnt Clnd Up Svocs:						
Cntmnt Clnd Oth Metals:		Yes				
Cntmnt Clnd Up Other:						
Cntmnt Clnd Up Oth Desc:						
Cntmnt Clnd Up Unknown:						
Cntmnt Clnd Up None:						
Media Affected Air:						
Media Affected Sediments:						
Media Affected Soil:		Y				
Media Affect Drnking Wtr:						
Media Affected Grnd Wtr:		Yes				
Media Affctd Surf Wtr:						
Media Affctd Bldg Matrls:						
Media Affected Indoor Air:						
Media Affected None:						
Media Affected Unknown:						
Media Clnd Up Air:						
Media Clnd Up Sediments:						
Media Clnd Up Soil:		Yes				
Media Clnd Up Drnk Wtr:						
Media Clnd Up Grnd Wtr:		Yes				
Media Clnd Up Surf Wtr:						
Media Clnd Up Bldg Mats:						
Media Clnd Up Indoor Air:						
Media Clnd Up Unknown:						
St Tribal Prg ID No:						
Further Action Cleanup:						
Enrollment St Tribal Prg:						
Institutional Ctrl ICs Req:		Y				
IC Catgry Proprietary Ctrls:						
IC Catgry Informational Dev:		Y				
IC Catgry Govmntal Ctrls:						
IC Catgry Enfrc Prmt Tls:						
ICs in Place:		U				

Date ICs in Place:	
Photographs are Available:	Y
Video is Available:	N
Description History:	Over 30 residential and commercial parcels, parking lot

--Details--

Grant Recipient Name:	San Francisco Bay Area Rapid Transit District
Accomplishment Counted:	0
Cooperative Agrment No:	97974901
Type Brownfields Grant:	Cleanup
Assessment Phase:	Phase I Environmental Assessment
Assessment Start Date:	10/08/2004 00:00:00
Assessment Compltn Dt:	10/08/2004 00:00:00
Srce of Assessment Fund:	
Entity Prov Assmnt Fund:	
Assessment Funding Amt:	
Cleanup Start Date:	04/28/2006 00:00:00
Cleanup Completion Date:	
Acres Cleaned Up:	
Cleanup Funding Source:	Private/Other Funding
Entity Prvd Cleanup Fund:	Unity Council Grant Match
Cleanup Funding Amount:	1000
Redevelopment Start Dt:	
No of Clnup/Redev Jobs:	
Acre/Grnspace Created:	
Src of Redev Funding:	
Entity Prvd Redev Funds:	
Redev Funding Amount:	
Highlights:	
IC Data Address:	
Redev Completion Date:	
Past Use Greenspace Arces:	
Past Use Residential Arces:	
Past Use Commercial Arces:	
Past Use Industrial Arces:	
Past Use Multistory Arces:	
Future Use Multistory Arces:	
Future Use Greenspace:	
Future Use Residential:	
Future Use Commercial:	
Future Use Industrial:	
2010 Below Poverty No:	2901
2010 Below Poverty Pct:	28.2%
2010 Median Income:	6486
2010 Low Income No:	5790
2010 Low Income Pct:	56.3%
2010 Vacant Housing No:	493
2010 Vac Housing Pct:	14.7%
2010 Unemployed No:	769
2010 Unemployed:	7.5%

Grant Recipient Name:	San Francisco Bay Area Rapid Transit District
Accomplishment Counted:	0
Cooperative Agrment No:	97974901
Type Brownfields Grant:	Cleanup
Assessment Phase:	Phase I Environmental Assessment
Assessment Start Date:	10/08/2004 00:00:00
Assessment Compltn Dt:	10/08/2004 00:00:00
Srce of Assessment Fund:	
Entity Prov Assmnt Fund:	
Assessment Funding Amt:	
Cleanup Start Date:	04/28/2006 00:00:00
Cleanup Completion Date:	
Acres Cleaned Up:	
Cleanup Funding Source:	Local Funding
Entity Prvd Cleanup Fund:	Miscellaneous Sources
Cleanup Funding Amount:	4759
Redevelopment Start Dt:	

No of Clnup/Redev Jobs:	
Acre/Grnspace Created:	
Src of Redev Funding:	
Entity Prvd Redev Funds:	
Redev Funding Amount:	
Highlights:	
IC Data Address:	
Redev Completion Date:	
Past Use Greenspace Arces:	
Past Use Residential Arces:	
Past Use Commercial Arces:	
Past Use Industrial Arces:	
Past Use Multistory Arces:	
Future Use Multistory Arces:	
Future Use Greenspace:	
Future Use Residential:	
Future Use Commercial:	
Future Use Industrial:	
2010 Below Poverty No:	2901
2010 Below Poverty Pct:	28.2%
2010 Median Income:	6486
2010 Low Income No:	5790
2010 Low Income Pct:	56.3%
2010 Vacant Housing No:	493
2010 Vac Housing Pct:	14.7%
2010 Unemployed No:	769
2010 Unemployed:	7.5%
Grant Recipient Name:	Oakland, City of
Accomplishment Counted:	0
Cooperative Agrment No:	98913601
Type Brownfields Grant:	Assessment
Assessment Phase:	Phase I Environmental Assessment
Assessment Start Date:	09/30/1997 00:00:00
Assessment Compltn Dt:	09/30/1997 00:00:00
Srce of Assessment Fund:	
Entity Prov Assmnt Fund:	
Assessment Funding Amt:	
Cleanup Start Date:	
Cleanup Completion Date:	
Acres Cleaned Up:	
Cleanup Funding Source:	
Entity Prvd Cleanup Fund:	
Cleanup Funding Amount:	
Redevelopment Start Dt:	09/30/1998 00:00:00
No of Clnup/Redev Jobs:	
Acre/Grnspace Created:	
Src of Redev Funding:	
Entity Prvd Redev Funds:	
Redev Funding Amount:	
Highlights:	
IC Data Address:	
Redev Completion Date:	
Past Use Greenspace Arces:	
Past Use Residential Arces:	
Past Use Commercial Arces:	
Past Use Industrial Arces:	
Past Use Multistory Arces:	
Future Use Multistory Arces:	
Future Use Greenspace:	
Future Use Residential:	
Future Use Commercial:	
Future Use Industrial:	
2010 Below Poverty No:	2901
2010 Below Poverty Pct:	28.2%
2010 Median Income:	6486
2010 Low Income No:	5790
2010 Low Income Pct:	56.3%
2010 Vacant Housing No:	493

2010 Vac Housing Pct:	14.7%
2010 Unemployed No:	769
2010 Unemployed:	7.5%

Grant Recipient Name:	San Francisco Bay Area Rapid Transit District
Accomplishment Counted:	0
Cooperative Agrment No:	97974901
Type Brownfields Grant:	Cleanup
Assessment Phase:	Phase II Environmental Assessment
Assessment Start Date:	11/15/2005 00:00:00
Assessment Compltn Dt:	11/15/2005 00:00:00
Srce of Assessment Fund:	
Entity Prov Assmnt Fund:	
Assessment Funding Amt:	
Cleanup Start Date:	04/28/2006 00:00:00
Cleanup Completion Date:	
Acres Cleaned Up:	
Cleanup Funding Source:	Local Funding
Entity Prvd Cleanup Fund:	Miscellaneous Sources
Cleanup Funding Amount:	4759
Redevelopment Start Dt:	
No of Clnup/Redev Jobs:	
Acre/Grnspace Created:	
Src of Redev Funding:	
Entity Prvd Redev Funds:	
Redev Funding Amount:	
Highlights:	
IC Data Address:	
Redev Completion Date:	
Past Use Greenspace Arces:	
Past Use Residential Arces:	
Past Use Commercial Arces:	
Past Use Industrial Arces:	
Past Use Multistory Arces:	
Future Use Multistory Arces:	
Future Use Greenspace:	
Future Use Residential:	
Future Use Commercial:	
Future Use Industrial:	
2010 Below Poverty No:	2901
2010 Below Poverty Pct:	28.2%
2010 Median Income:	6486
2010 Low Income No:	5790
2010 Low Income Pct:	56.3%
2010 Vacant Housing No:	493
2010 Vac Housing Pct:	14.7%
2010 Unemployed No:	769
2010 Unemployed:	7.5%

Grant Recipient Name:	San Francisco Bay Area Rapid Transit District
Accomplishment Counted:	0
Cooperative Agrment No:	97974901
Type Brownfields Grant:	Cleanup
Assessment Phase:	Phase II Environmental Assessment
Assessment Start Date:	11/15/2005 00:00:00
Assessment Compltn Dt:	11/15/2005 00:00:00
Srce of Assessment Fund:	
Entity Prov Assmnt Fund:	
Assessment Funding Amt:	
Cleanup Start Date:	04/28/2006 00:00:00
Cleanup Completion Date:	
Acres Cleaned Up:	
Cleanup Funding Source:	Private/Other Funding
Entity Prvd Cleanup Fund:	Unity Council Grant Match
Cleanup Funding Amount:	1000
Redevelopment Start Dt:	
No of Clnup/Redev Jobs:	
Acre/Grnspace Created:	
Src of Redev Funding:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Entity Prvd Redev Funds:
Redev Funding Amount:
Highlights:
IC Data Address:
Redev Completion Date:
Past Use Greenspace Arces:
Past Use Residential Arces:
Past Use Commercial Arces:
Past Use Industrial Arces:
Past Use Multistory Arces:
Future Use Multistory Arces:
Future Use Greenspace:
Future Use Residential:
Future Use Commercial:
Future Use Industrial:
2010 Below Poverty No: 2901
2010 Below Poverty Pct: 28.2%
2010 Median Income: 6486
2010 Low Income No: 5790
2010 Low Income Pct: 56.3%
2010 Vacant Housing No: 493
2010 Vac Housing Pct: 14.7%
2010 Unemployed No: 769
2010 Unemployed: 7.5%

75	1 of 1	SE	0.40 / 2,096.25	29.40 / -8	Brighten Restaurant Service Company 910 35TH AVE OAKLAND CA 94601	DELISTED HAZ

Siteid: 374823
Latitude: 37.773487
Longitude: -122.224304
Original Source: CHAZ
Record Date: 22-MAR-2018

76	1 of 1	WSW	0.40 / 2,102.18	14.32 / -23	EXCHANGE LINEN SERVICE 527 23RD OAKLAND CA 94606	LUST

Global ID: T0600100995
Status: COMPLETED - CASE CLOSED
Status Date: 1996-09-12 00:00:00
Case Type: LUST CLEANUP SITE
Date Source: LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download
County: ALAMEDA
Latitude: 37.775226
Longitude: -122.23636

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case Number: 01-1078
Local Case Number: RO0000952
Begin Date: 1993-01-19 00:00:00
Lead Agency: ALAMEDA COUNTY LOP
Local Agency:
CUF Case: NO
Potential COC: Gasoline
How Discovered: Other Means
Stop Method: Other Means
Stop Description:
Case Worker:
File Location: All Files are on GeoTracker or in the Local Agency Database

Potential Media of Concern: Other Groundwater (uses other than drinking water)
How Discovered Description:
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
DWR GW Subbasin Name: Santa Clara Valley - East Bay Plain (2-009.04)
Disadvantaged Community:
Site History:

Regulatory Activity

Action Type: REMEDIATION
Date : 9999-09-09 00:00:00
Action:

Action Type: Other
Date : 1993-01-19 00:00:00
Action: Leak Reported

Regulatory Contacts

Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
City: OAKLAND
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
Email:
Phone Number:

Status History

Status: Completed - Case Closed
Status Date: 1996-09-12 00:00:00

Status: Open - Case Begin Date
Status Date: 1993-01-19 00:00:00

LUST Cleanup Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)

Site Facility Name: EXCHANGE LINEN SERVICE
Site Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Project Status:
Potential COC: GASOLINE
WDR Place Type:
WDR File:
WDR Order:
Address: 527 23RD
City: OAKLAND
Zip: 94606
County: ALAMEDA
CUF Claim:
CUF Priority Assig:
CUF Amount Paid:
File Location: ALL FILES ARE ON GEOTRACKER OR IN THE LOCAL AGENCY DATABASE
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: http://geotracker.waterboards.ca.gov/profile_report?global_id=T0600100995
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 9/12/1996
Cleanup History Link: http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0600100995&tabname=regulatoryhistory
Potential Media Of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
User Defined Beneficial Use:
DWR GW Sub Basin: Santa Clara Valley - East Bay Plain (2-009.04)
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: ALAMEDA COUNTY LOP (LEAD) - CASE #: RO0000952
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 01-1078
CASEWORKER: Regional Water Board
Site History:

No site history available

LUST Cleanup Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)

Status: Completed - Case Closed
Date : 9/12/1996

Status: Open - Case Begin Date
Date : 1/19/1993

LUST Cleanup Sites from GeoTracker Search - Cleanup Action(as of Jan 18, 2019)

Action Type: UNKNOWN
Phase:
Contaminant Mass Removed:
Description:
Begin Date: 9/9/9999
End Date: 9/9/9999

LUST Cleanup Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)

Action Type: Cleanup Action
Action Date: 9/9/9999
Received Issue Date:
Action:
Doc Link:

Action Type: Leak Action
Action Date: 1/19/1993
Received Issue Date:
Action: Leak Reported
Doc Link:

77	1 of 1	WSW	0.40 / 2,116.16	13.58 / -24	EXCHANGE LINEN SERVICE 527 23RD AVE Oakland CA 94606	ALAMEDA LOP

Record ID: RO0000952
Alt Record ID: SD0000952
Program: LUST
Release Type: UST
Site Contact: CHU, EVA
RP Identification Date: 2/5/1993 12:00:00 AM
GIS Latitude: 37.7751718587
GIS Longitude: -122.2363567033
Data Source: Local Oversight Program Detailed Inventory; Local Oversight Program Inventory

--Details--
Program Element: 5602
Status: 9
Status Desc: Case closed
Substance: 8006619
Org Name: MADISON PARK
Description 1: Case Closed
Description 2: Property/Fee Title Owner
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 9
Status Desc: Case closed
Substance: 8006619
Org Name: ALAMEDA COUNTY LOP
Description 1: Case Closed
Description 2: Not Applicable
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 9
Status Desc: Case closed
Substance: 8006619
Org Name: ELS PROPERTIES

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Description 1: Case Closed
Description 2: Former Fee Title Owner
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

---

78	1 of 1	WSW	0.40 / 2,125.95	13.49 / -24	AIC Labs Building 1 501 23RD AVE OAKLAND CA 94606	DELISTED HAZ

Siteid: 3575
Latitude: 37.774607
Longitude: -122.236148
Original Source: CHAZ
Record Date: 04-JAN-2018

79	1 of 2	WNW	0.41 / 2,144.93	24.43 / -13	PG&E - FORMER OAKLAND STATION H 1134 MILLER AVENUE OAKLAND CA 94601	ENVIROSTOR

Estor/EPA ID: 01490018
Site Code: 201390
Nat Priority List: NO
Acres: 0.55 ACRES
Special Program: VOLUNTARY CLEANUP PROGRAM
Funding: SITE PROPONENT
Assembly District: 18
Senate District: 09
School District:
Permit Renewal Lead:
Project Manager: LYNN NAKASHIMA
Supervisor: BARBARA COOK
Public Partici Spclst:
Census Tract: 6001406100
County: ALAMEDA
Latitude: 37.7805382375649
Longitude: -122.236174734849
APN: 019-0098-006, 19-98-6
Cleanup Status: CERTIFIED AS OF 1/20/2004
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY
Site Type: VOLUNTARY CLEANUP
Office: CLEANUP BERKELEY
Past Use that Caused Contam: ELECTRIC GENERATION/SUBSTATION
Potential Media Affected: SOIL
Site History:

PG&E operated the former Station H facility from approximately 1911/1912 through 1978. When active, structures on the property included: a substation building, store room, battery house and cottage. The substation building was constructed in 1910-1915 and housed oil-filled transformers, regulators, and other equipment. A transformer cooling tank and cooling tower were constructed to remove scale from the transformer cooling coils. A spare cooling tower and associated systems were constructed in 1925. All structures were demolished in 1998 and the property was vacant.

Potential Contamin of Concern:

ARSENIC, CONTAMINATED SOIL, CADMIUM AND COMPOUNDS, LEAD

Status: CERTIFIED
Program Type: VOLUNTARY CLEANUP
CalEnviroScreen Score: 86-90%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01490018

Completed Activities

Title: Removal Action Workplan
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01490018&doc_id=5012330
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Removal Action Workplan
Date Completed: 8/7/2003

Comments: Approved RAW. Reports containing results of environmental media sampling indicate that the soil is contaminated with lead, cadmium and arsenic. The RAW required excavation and off-site disposal of soil containing contaminants above unrestricted use levels.

Title: Removal Action Completion Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01490018&doc_id=5012329
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Removal Action Completion Report
Date Completed: 1/20/2004
Comments: Completed RA. Certified Site. Approved Report documenting removal to unrestricted levels.

Title: Certification
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01490018&enforcement_id=5012328
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Certification
Date Completed: 1/20/2004
Comments:

Title: Order
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01490018&enforcement_id=5012331
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Voluntary Cleanup Agreement
Date Completed: 3/7/2002
Comments: Signed VCA.

Title: CEQA
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01490018&enforcement_id=5012327
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: CEQA - Notice of Exemption
Date Completed: 7/17/2003
Comments:

Title: Fact Sheet for draft Removal Action Workplan
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01490018&doc_id=6014065
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Fact Sheets
Date Completed: 6/6/2003
Comments: Fact sheet for draft RAW

79	2 of 2	WNW	0.41 / 2,144.93	24.43 / -13	PG&E - FORMER OAKLAND STATION H 1134 MILLER AVENUE OAKLAND CA 94601	VCP

Estor/EPA ID:	01490018	**Permit Renewal Lead:**	
Site Code:	201390	**Project Manager:**	LYNN NAKASHIMA
Nat Priority List:	NO	**Supervisor:**	BARBARA COOK
Acres:	0.55 ACRES	**Public Partici Spclst:**	
Special Program:	VOLUNTARY CLEANUP PROGRAM	**Census Tract:**	6001406100
Funding:	SITE PROPONENT	**County:**	ALAMEDA
Assembly District:	18	**Latitude:**	37.7805382375649
Senate District:	09	**Longitude:**	-122.236174734849
School District:			

APN: 019-0098-006, 19-98-6
Cleanup Status: CERTIFIED AS OF 1/20/2004
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY
Site Type: VOLUNTARY CLEANUP
Office: CLEANUP BERKELEY
Past Use that Caused Contam: ELECTRIC GENERATION/SUBSTATION
Potential Media Affected: SOIL
Potential Contamin of Concern:

ARSENIC, CONTAMINATED SOIL, CADMIUM AND COMPOUNDS, LEAD

Site History:

PG&E operated the former Station H facility from approximately 1911/1912 through 1978. When active, structures on the property included: a substation building, store room, battery house and cottage. The substation building was constructed in 1910-1915 and housed oil-filled transformers, regulators, and other equipment. A transformer cooling tank and cooling tower were constructed to remove scale from the transformer cooling coils. A spare cooling tower and associated systems were constructed in 1925. All structures were demolished in 1998 and the property was vacant.

Status: CERTIFIED
Program Type: VOLUNTARY CLEANUP
CalEnviroScreen Score: 86-90%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01490018

Completed Activities

Title: Removal Action Completion Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01490018&doc_id=5012329
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Removal Action Completion Report
Date Completed: 1/20/2004
Comments: Completed RA. Certified Site. Approved Report documenting removal to unrestricted levels.

Title: CEQA
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01490018&enforcement_id=5012327
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: CEQA - Notice of Exemption
Date Completed: 7/17/2003
Comments:

Title: Certification
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01490018&enforcement_id=5012328
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Certification
Date Completed: 1/20/2004
Comments:

Title: Order
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01490018&enforcement_id=5012331
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Voluntary Cleanup Agreement
Date Completed: 3/7/2002
Comments: Signed VCA.

Title: Fact Sheet for draft Removal Action Workplan
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01490018&doc_id=6014065

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Fact Sheets
Date Completed: 6/6/2003
Comments: Fact sheet for draft RAW

Title: Removal Action Workplan
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01490018&doc_id=5012330
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Removal Action Workplan
Date Completed: 8/7/2003
Comments: Approved RAW. Reports containing results of environmental media sampling indicate that the soil is contaminated with lead, cadmium and arsenic. The RAW required excavation and off-site disposal of soil containing contaminants above unrestricted use levels.

80	1 of 1	NE	0.41 / 2,160.07	64.34 / 27	WALT'S TRANSMISSION 1723 FRUITVALE AVENUE OAKLAND CA 94601	CLEANUP SITES

Global ID: T06019762689
Status: OPEN - INACTIVE
Status Date: 2018-04-03 00:00:00
Site Code:
Data Source: Cleanup Program Sites from GeoTracker Search; Cleanup Sites from GeoTracker Cleanup Sites Data Download
Site Facility Type: CLEANUP PROGRAM SITE
County: ALAMEDA
Latitude: 37.781633
Longitude: -122.224238

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case Number: 01S0736
Local Case Number:
Begin Date: 1999-12-09 00:00:00
CUF Case: NO
Case Worker: REL
File Location: All Files are on GeoTracker or in the Local Agency Database
Stop Method: Close and Remove Tank
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Local Agency:
Potential COC: Tetrachloroethylene (PCE), Gasoline
Potential Media of Concern: Other Groundwater (uses other than drinking water)
How Discovered: * SA
How Discovered Description: SITE INVESTIGATION
Stop Description:
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
DWR GW Subbasin Name: Santa Clara Valley - East Bay Plain (2-009.04)
Disadvantaged Community: Severely Disadvantaged Community
Site History:

It is unknown when the USTs were removed, but elevated levels of contamination were detected during preliminary site assessment performed in December 1999. Further site characterization performed in March 2001 detected chlorinated hydrocarbons in groundwater. ACEH requested site characterization work; however, the requested work was not implemented. Currently, the extent of contamination is undefined. Not all historic documents for the fuel leak case may be available on GeoTracker. A more complete historic case file for this site is located on the Alameda County Environmental Health website at: http://ehgis.acgov.org/dehpublic/dehpublic.jsp.

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Acitivity

Action Type: RESPONSE
Date : 2012-04-16 00:00:00
Action: Electronic Reporting Submittal Due

Action Type: RESPONSE
Date : 2012-04-16 00:00:00
Action: Soil and Water Investigation Workplan

Action Type: ENFORCEMENT
Date : 2012-03-21 00:00:00
Action: Referral to Regional Board - #20120321

Action Type: ENFORCEMENT
Date : 2012-02-15 00:00:00
Action: Staff Letter - #20120215

Action Type: ENFORCEMENT
Date : 2011-05-31 00:00:00
Action: Staff Letter - #20110531

Action Type: RESPONSE
Date : 2011-03-31 00:00:00
Action: Electronic Reporting Submittal Due

Action Type: ENFORCEMENT
Date : 2011-02-28 00:00:00
Action: Notice of Violation - #20110228

Action Type: ENFORCEMENT
Date : 2009-12-09 00:00:00
Action: File review

Action Type: RESPONSE
Date : 2009-08-10 00:00:00
Action: Electronic Reporting Submittal Due

Action Type: ENFORCEMENT
Date : 2009-07-24 00:00:00
Action: Notice of Violation - #20090724

Action Type: ENFORCEMENT
Date : 2009-07-24 00:00:00
Action: Staff Letter - #20090724

Action Type: ENFORCEMENT
Date : 2009-01-30 00:00:00
Action: Technical Correspondence / Assistance / Other - #20090130

Action Type: ENFORCEMENT
Date : 2008-07-03 00:00:00
Action: Technical Correspondence / Assistance / Other - #20080703

Action Type: RESPONSE
Date : 2001-08-20 00:00:00
Action: Correspondence

Action Type: RESPONSE
Date : 2001-03-05 00:00:00
Action: Soil and Water Investigation Report

Action Type: RESPONSE
Date : 2000-11-27 00:00:00
Action: Soil and Water Investigation Report

Action Type: RESPONSE
Date : 2000-07-12 00:00:00
Action: Site Assessment Report

Action Type: REMEDIATION
Date : 2000-06-30 00:00:00
Action: Excavation

Action Type: RESPONSE
Date : 2000-06-09 00:00:00
Action: Correspondence

Action Type: RESPONSE

Date : 1999-12-22 00:00:00
Action: Soil and Water Investigation Report

Action Type: Other
Date : 1999-12-10 00:00:00
Action: Leak Reported

Action Type: Other
Date : 1999-12-10 00:00:00
Action: Leak Discovery

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Open - Inactive
Status Date: 2018-04-03 00:00:00

Status: Open - Site Assessment
Status Date: 2018-04-03 00:00:00

Status: Open - Inactive
Status Date: 2015-05-19 00:00:00

Status: Open - Site Assessment
Status Date: 2001-03-05 00:00:00

Status: Open - Site Assessment
Status Date: 2000-06-09 00:00:00

Status: Open - Site Assessment
Status Date: 1999-12-22 00:00:00

Status: Open - Case Begin Date
Status Date: 1999-12-09 00:00:00

Status: Open - Site Assessment
Status Date: 1999-12-09 00:00:00

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Regional Board Caseworker
Contact Name: RALPH LAMBERT
Phone Number:
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Email: ralambert@waterboards.ca.gov
Address: 1515 CLAY ST. SUITE 1500
City: OAKLAND

Cleanup Program Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)

Project Status:
CUF Claim:
CUF Priority Assign:
CUF Amount Paid:
WDR Place Type:
WDR File:
WDR Order:
File Location: ALL FILES ARE ON GEOTRACKER OR IN THE LOCAL AGENCY DATABASE

User Defined Beneficial Use:
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: http://geotracker.waterboards.ca.gov/profile_report?global_id=T06019762689
Cleanup Status Detail: OPEN - INACTIVE AS OF 4/3/2018
Cleanup History Link: http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T06019762689&tabname=regulatoryhistory
Potential COC: GASOLINE, TETRACHLOROETHYLENE (PCE)
Potential Media Of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
DWR GW Sub Basin: Santa Clara Valley - East Bay Plain (2-009.04)
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: SAN FRANCISCO BAY RWQCB (REGION 2) (LEAD) - CASE #: 01S0736
CASEWORKER: RALPH LAMBERT

ALAMEDA COUNTY LOP - CASE #: RO0000172

Site History:

It is unknown when the USTs were removed, but elevated levels of contamination were detected during preliminary site assessment performed in December 1999. Further site characterization performed in March 2001 detected chlorinated hydrocarbons in groundwater. ACEH requested site characterization work; however, the requested work was not implemented. Currently, the extent of contamination is undefined.

Not all historic documents for the fuel leak case may be available on GeoTracker. A more complete historic case file for this site is located on the Alameda County Environmental Health website at: http://ehgis.acgov.org/dehpublic/dehpublic.jsp.

Cleanup Program Sites from GeoTracker Search - Cleanup Action(as of Jan 18, 2019)

Action Type: EXCAVATION
Begin Date: 6/30/2000
Phase: Soil
End Date: 7/12/2000
Description: LIMITED INTERIM SOIL EXCAVATION
Contaminant Mass Removed:

Cleanup Program Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)

Action Type: Response Requested - Other
Action Date: 4/16/2012
Received Issue Date:
Action: Electronic Reporting Submittal Due
Doc Link:
Title Description Comments:

Claim site on GeoTracker and upload documents

Action Type: Response Requested - Workplans
Action Date: *4/16/2012
Received Issue Date:
Action: Soil and Water Investigation Workplan
Doc Link:
Title Description Comments:

Work Plan

Action Type: Referral to Other Agency
Action Date: 3/21/2012
Received Issue Date: 3/21/2012
Action: Referral to Regional Board - #20120321
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019762689&enforcement_id=6116477&temptable=ENFORCEMENT
Title Description Comments:

ENF_REF_L_2012-03-21

Action Type: Other Regulatory Actions
Action Date: 2/15/2012
Received Issue Date: 2/15/2012
Action: Staff Letter - #20120215
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019762689&enforcement_id=6113347&temptable=ENFORCEMENT
Title Description Comments:

DIR_L_2012-02-15

Action Type: Other Regulatory Actions
Action Date: 5/31/2011
Received Issue Date: 5/31/2011
Action: Staff Letter - #20110531
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019762689&enforcement_id=6088224&temptable=ENFORCEMENT

Title Description Comments:

DIR_L_2011-05-31

Action Type: Response Requested - Other
Action Date: 3/31/2011
Received Issue Date:
Action: Electronic Reporting Submittal Due
Doc Link:
Title Description Comments:

Claim site on GeoTracker and upload documents

Action Type: Enforcement/Orders
Action Date: 2/28/2011
Received Issue Date: 2/28/2011
Action: Notice of Violation - #20110228
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019762689&enforcement_id=6079453&temptable=ENFORCEMENT
Title Description Comments:

ENF_L_2011-02-28

Action Type: Other Regulatory Actions
Action Date: 12/9/2009
Received Issue Date: 12/9/2009
Action: File review
Doc Link:
Title Description Comments:

GEOTRACKER UPDATE

Action Type: Response Requested - Other
Action Date: 8/10/2009
Received Issue Date:
Action: Electronic Reporting Submittal Due
Doc Link:
Title Description Comments:

- CLAIM SITE IN GEOTRACKER

Action Type: Enforcement/Orders
Action Date: 7/24/2009
Received Issue Date: 7/24/2009
Action: Notice of Violation - #20090724
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019762689&enforcement_id=6024430&temptable=ENFORCEMENT
Title Description Comments:

ENF_L

Action Type: Other Regulatory Actions
Action Date: 7/24/2009
Received Issue Date: 7/24/2009
Action: Staff Letter - #20090724
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019762689&enforcement_id=6024428&temptable=ENFORCEMENT
Title Description Comments:

DIR_L

Action Type: Other Regulatory Actions
Action Date: 1/30/2009
Received Issue Date: 1/30/2009

Action: Technical Correspondence / Assistance / Other - #20090130
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019762689&enforcement_id=6001904&temptable=ENFORCEMENT
Title Description Comments:

DIR_L

Action Type: Other Regulatory Actions
Action Date: 7/3/2008
Received Issue Date: 7/3/2008
Action: Technical Correspondence / Assistance / Other - #20080703
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019762689&enforcement_id=5980630&temptable=ENFORCEMENT
Title Description Comments:

ESI COMPLIANCE DIRECTIVE

Action Type: Response Requested - Other
Action Date: 8/20/2001
Received Issue Date: 8/20/2001
Action: Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T06019762689&doc_id=5738333
Title Description Comments:

Historical Directive Letters

Action Type: Response Requested - Reports
Action Date: 3/5/2001
Received Issue Date: 3/5/2001
Action: Soil and Water Investigation Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T06019762689&doc_id=5738328
Title Description Comments:

Specified Soil and Groundwater Sampling

Action Type: Response Requested - Reports
Action Date: 11/27/2000
Received Issue Date: 11/27/2000
Action: Soil and Water Investigation Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T06019762689&doc_id=5738330
Title Description Comments:

Specified Soil and Groundwater Sampling

Action Type: Response Requested - Reports
Action Date: 7/12/2000
Received Issue Date: 7/12/2000
Action: Site Assessment Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T06019762689&doc_id=5738329
Title Description Comments:

Phase III Environmental Site Remediation

Action Type: Cleanup Action
Action Date: 6/30/2000
Received Issue Date:
Action: Excavation
Doc Link:
Title Description Comments:

LIMITED INTERIM SOIL EXCAVATION

Action Type: Response Requested - Other
Action Date: 6/9/2000

Received Issue Date: 6/9/2000
Action: Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T06019762689&doc_id=5738332
Title Description Comments:

Historical Correspondence

Action Type: Response Requested - Reports
Action Date: 12/22/1999
Received Issue Date: 12/22/1999
Action: Soil and Water Investigation Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T06019762689&doc_id=5738331
Title Description Comments:

Limited Phase II Environmental Site Investigation Report

Action Type: Leak Action
Action Date: 12/10/1999
Received Issue Date:
Action: Leak Reported
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 12/10/1999
Received Issue Date:
Action: Leak Discovery
Doc Link:
Title Description Comments:

Cleanup Program Sites from GeoTracker Search - Documents(as of Jan 18, 2019)

Document Type: Site Documents ***Submitted:***
Document Date: 3/21/2012 ***Submitted By:*** JERRY WICKHAM (REGULATOR)
Size :
Title: ENF_REF_L_2012-03-21
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019762689&enforcement_id=6116477
Type: REFERRAL TO REGIONAL BOARD

Document Type: Site Documents ***Submitted:***
Document Date: 2/15/2012 ***Submitted By:*** JERRY WICKHAM (REGULATOR)
Size :
Title: DIR_L_2012-02-15
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019762689&enforcement_id=6113347
Type: STAFF LETTER

Document Type: Site Documents ***Submitted:***
Document Date: 5/31/2011 ***Submitted By:*** JERRY WICKHAM (REGULATOR)
Size :
Title: DIR_L_2011-05-31
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019762689&enforcement_id=6088224
Type: STAFF LETTER

Document Type: Site Documents ***Submitted:***
Document Date: 2/28/2011 ***Submitted By:*** JERRY WICKHAM (REGULATOR)
Size :
Title: ENF_L_2011-02-28
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019762689&enforcement_id=6079453
Type: NOTICE OF VIOLATION

Document Type: Site Documents ***Submitted:***
Document Date: 7/24/2009 ***Submitted By:*** STEVEN PLUNKETT (REGULATOR)
Size :
Title: ENF_L
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019762689&enforcement_id=6024430

Type: NOTICE OF VIOLATION

Document Type: Site Documents ***Submitted:***
Document Date: 7/24/2009 ***Submitted By:*** STEVEN PLUNKETT (REGULATOR)
Size :
Title: DIR_L
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019762689&enforcement_id=6024428
Type: STAFF LETTER

Document Type: Site Documents ***Submitted:***
Document Date: 1/30/2009 ***Submitted By:*** MYLE DANH (REGULATOR)
Size :
Title: DIR_L
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019762689&enforcement_id=6001904
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER

Document Type: Site Documents ***Submitted:***
Document Date: 7/3/2008 ***Submitted By:*** DANIEL OLSEN (REGULATOR)
Size :
Title: ESI COMPLIANCE DIRECTIVE
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019762689&enforcement_id=5980630
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER

Document Type: Site Documents ***Submitted:***
Document Date: 8/20/2001 ***Submitted By:*** JERRY WICKHAM (REGULATOR)
Size :
Title: HISTORICAL DIRECTIVE LETTERS
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019762689&document_id=5738333
Type: CORRESPONDENCE

Document Type: Site Documents ***Submitted:***
Document Date: 3/5/2001 ***Submitted By:*** JERRY WICKHAM (REGULATOR)
Size :
Title: SPECIFIED SOIL AND GROUNDWATER SAMPLING
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019762689&document_id=5738328
Type: SOIL AND WATER INVESTIGATION REPORT

Document Type: Site Documents ***Submitted:***
Document Date: 11/27/2000 ***Submitted By:*** JERRY WICKHAM (REGULATOR)
Size :
Title: SPECIFIED SOIL AND GROUNDWATER SAMPLING
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019762689&document_id=5738330
Type: SOIL AND WATER INVESTIGATION REPORT

Document Type: Site Documents ***Submitted:***
Document Date: 7/12/2000 ***Submitted By:*** JERRY WICKHAM (REGULATOR)
Size :
Title: PHASE III ENVIRONMENTAL SITE REMEDIATION
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019762689&document_id=5738329
Type: SITE ASSESSMENT REPORT

Document Type: Site Documents ***Submitted:***
Document Date: 6/9/2000 ***Submitted By:*** JERRY WICKHAM (REGULATOR)
Size :
Title: HISTORICAL CORRESPONDENCE
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019762689&document_id=5738332
Type: CORRESPONDENCE

Document Type: Site Documents ***Submitted:***
Document Date: 12/22/1999 ***Submitted By:*** JERRY WICKHAM (REGULATOR)
Size :
Title: LIMITED PHASE II ENVIRONMENTAL SITE INVESTIGATION REPORT
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T06019762689&document_id=5738331
Type: SOIL AND WATER INVESTIGATION REPORT

Cleanup Program Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)

Status: Open - Site Assessment

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Date : 4/3/2018

Status: Open - Inactive
Date : 4/3/2018

Status: Open - Inactive
Date : 5/19/2015

Status: Open - Site Assessment
Date : 3/5/2001

Status: Open - Site Assessment
Date : 6/9/2000

Status: Open - Site Assessment
Date : 12/22/1999

Status: Open - Site Assessment
Date : 12/9/1999

Status: Open - Case Begin Date
Date : 12/9/1999

81	1 of 1	NE	0.42 / 2,204.97	62.07 / 24	WALT'S TRANSMISSION 1723 FRUITVALE AVE Oakland CA 94601	ALAMEDA LOP

Record ID: RO0000172
Alt Record ID:
Program:
Release Type:
Site Contact: ((RWQCB))
RP Identification Date:
GIS Latitude:
GIS Longitude:
Data Source: Local Oversight Program Inventory

--Details--
Program Element: 5602
Status: 1,11,3B,5C
Status Desc: Leak confirmation,Case transferred,Preliminary site assessment underway,Pollution characterization
Substance:
Org Name:
Description 1:
Description 2:
Description 3:
Description 4:
Description 5:
Description 6:

82	1 of 1	W	0.42 / 2,215.96	14.67 / -23	FIDELITY PACKAGING CORPORATION 646 KENNEDY OAKLAND CA 94606	LUST

Global ID: T0600100572
Status: COMPLETED - CASE CLOSED
Status Date: 2000-07-10 00:00:00
Case Type: LUST CLEANUP SITE
County: ALAMEDA
Latitude: 37.776693
Longitude: -122.237315
Date Source: LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case Number:	01-0621	**Potential COC:**	Gasoline
Local Case Number:	RO0000984	**How Discovered:**	Other Means
Begin Date:	1989-09-05 00:00:00	**Stop Method:**	Other Means
Lead Agency:	ALAMEDA COUNTY LOP	**Stop Description:**	
Local Agency:		**Case Worker:**	
CUF Case:	NO	**File Location:**	All Files are on GeoTracker or in the Local Agency Database

Potential Media of Concern: Other Groundwater (uses other than drinking water)
How Discovered Description:
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
DWR GW Subbasin Name: Santa Clara Valley - East Bay Plain (2-009.04)
Disadvantaged Community:
Site History:

Regulatory Activity

Action Type: REMEDIATION
Date : 9999-09-09 00:00:00
Action:

Action Type: RESPONSE
Date : 2000-07-17 00:00:00
Action: Other Report / Document

Action Type: Other
Date : 1989-09-05 00:00:00
Action: Leak Reported

Regulatory Contacts

Contact Type:	Regional Board Caseworker	**Address:**	1515 CLAY ST SUITE 1400
Contact Name:	Regional Water Board	**Email:**	
City:	OAKLAND	**Phone Number:**	

Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)

Status History

Status: Completed - Case Closed
Status Date: 2000-07-10 00:00:00

Status: Open - Case Begin Date
Status Date: 1989-09-05 00:00:00

LUST Cleanup Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)

Site Facility Name:	FIDELITY PACKAGING CORPORATION	**Address:**	646 KENNEDY
Site Facility Type:	LUST CLEANUP SITE	**City:**	OAKLAND
Cleanup Status:	COMPLETED - CASE CLOSED	**Zip:**	94606
Project Status:		**County:**	ALAMEDA
Potential COC:	GASOLINE	**CUF Claim:**	
WDR Place Type:		**CUF Priority Assig:**	
WDR File:		**CUF Amount Paid:**	
WDR Order:			

File Location: ALL FILES ARE ON GEOTRACKER OR IN THE LOCAL AGENCY DATABASE
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: http://geotracker.waterboards.ca.gov/profile_report?global_id=T0600100572
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 7/10/2000
Cleanup History Link: http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0600100572&tabname=regulatoryhistory
Potential Media Of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
User Defined Beneficial Use: GW - MUNICIPAL AND DOMESTIC SUPPLY
DWR GW Sub Basin: Santa Clara Valley - East Bay Plain (2-009.04)
Calwater Watershed Name: South Bay - East Bay Cities (204.20)

Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: ALAMEDA COUNTY LOP (LEAD) - CASE #: RO0000984
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 01-0621
CASEWORKER: Regional Water Board
Site History:

No site history available

LUST Cleanup Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)

Status: Completed - Case Closed
Date : 7/10/2000

Status: Open - Case Begin Date
Date : 9/5/1989

LUST Cleanup Sites from GeoTracker Search - Cleanup Action(as of Jan 18, 2019)

Action Type: UNKNOWN
Phase:
Contaminant Mass Removed:
Description:
Begin Date: 9/9/9999
End Date: 9/9/9999

LUST Cleanup Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)

Action Type: Cleanup Action
Action Date: 9/9/9999
Received Issue Date:
Action:
Doc Link:

Action Type: Response Requested - Other
Action Date: 7/17/2000
Received Issue Date: 7/17/2000
Action: Other Report / Document
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600100572&doc_id=5897945

Action Type: Response Requested - Other
Action Date: 7/17/2000
Received Issue Date: 7/17/2000
Action: Other Report / Document
Doc Link:

Action Type: Leak Action
Action Date: 9/5/1989
Received Issue Date:
Action: Leak Reported
Doc Link:

LUST Cleanup Sites from GeoTracker Search - Documents(as of Jan 18, 2019)

Document Type: Site Documents
Document Date: 7/17/2000
Type: OTHER REPORT / DOCUMENT
Size :
Submitted By: MICHELE HARDEN (REGULATOR)
Submitted:
Title: 3-18-2010 167781 31474 REMEDIAL ACTION COMPLETION CERTIFICATION 010621
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100572&document_id=5897945

83	*1 of 1*	*SSW*	*0.42 / 2,222.65*	*15.73 / -22*	***FORMER INDUSTRIAL STEAM PROPERTY 2985 FORD STREET OAKLAND CA 94601***	***CLEANUP SITES***

Global ID:	SL0600139792	***Site Facility Type:***	CLEANUP PROGRAM SITE
Status:	COMPLETED - CASE CLOSED	***County:***	ALAMEDA
Status Date:	2004-09-23 00:00:00	***Latitude:***	37.771816
Site Code:		***Longitude:***	-122.232162
Data Source:	Cleanup Program Sites from GeoTracker Search; Cleanup Sites from GeoTracker Cleanup Sites Data Download		

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case Number:	01S0591	***CUF Case:***	NO
Local Case Number:		***Case Worker:***	UUU
Begin Date:	2004-09-23 00:00:00	***File Location:***	
Stop Method:			
Lead Agency:	SAN FRANCISCO BAY RWQCB (REGION 2)		
Local Agency:			
Potential COC:			
Potential Media of Concern:			
How Discovered:			
How Discovered Description:			
Stop Description:			
Calwater Watershed Name:	South Bay - East Bay Cities (204.20)		
DWR GW Subbasin Name:	Santa Clara Valley - East Bay Plain (2-009.04)		
Disadvantaged Community:			
Site History:			

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Acitivity

Action Type:	ENFORCEMENT
Date :	2004-09-23 00:00:00
Action:	Staff Letter
Action Type:	ENFORCEMENT
Date :	2004-05-28 00:00:00
Action:	Staff Letter
Action Type:	ENFORCEMENT
Date :	2003-12-29 00:00:00
Action:	Staff Letter

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status:	Completed - Case Closed
Status Date:	2004-09-23 00:00:00
Status:	Open - Case Begin Date
Status Date:	2004-09-23 00:00:00

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type:	Regional Board Caseworker	***Address:***	1515 CLAY ST SUITE 1400
Contact Name:	Regional Water Board	***City:***	OAKLAND
Phone Number:			
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)		
Email:			

Cleanup Program Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)

Project Status:		***WDR Place Type:***	
CUF Claim:		***WDR File:***	
CUF Priority Assign:		***WDR Order:***	
CUF Amount Paid:		***File Location:***	
User Defined Beneficial Use:			
Designated Beneficial Use:	MUN, AGR, IND, PROC		

Project Oversight Agencies:
Report Link: http://geotracker.waterboards.ca.gov/profile_report?global_id=SL0600139792
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 9/23/2004
Cleanup History Link: http://geotracker.waterboards.ca.gov/profile_report_include?global_id=SL0600139792&tabname=regulatoryhistory
Potential COC: NONE SPECIFIED
Potential Media Of Concern: NONE SPECIFIED
DWR GW Sub Basin: Santa Clara Valley - East Bay Plain (2-009.04)
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: SAN FRANCISCO BAY RWQCB (REGION 2) (LEAD) - CASE #: 01S0591
CASEWORKER: Regional Water Board
Site History:

No site history available

Cleanup Program Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)

Action Type: Other Regulatory Actions
Action Date: 9/23/2004
Received Issue Date: 9/23/2004
Action: Staff Letter
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600139792&enforcement_id=6250596&temptable=ENFORCEMENT
Title Description Comments:

176899-Approval of Investigative Report & Interim Remedial Action-09.23.2004

Action Type: Other Regulatory Actions
Action Date: 5/28/2004
Received Issue Date: 5/28/2004
Action: Staff Letter
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600139792&enforcement_id=6250598&temptable=ENFORCEMENT
Title Description Comments:

177010-Approval of Technical Report for Soil Investigation-05.28.2004

Action Type: Other Regulatory Actions
Action Date: 12/29/2003
Received Issue Date: 12/29/2003
Action: Staff Letter
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600139792&enforcement_id=6250593&temptable=ENFORCEMENT
Title Description Comments:

176824-Conditional Approval of Workplan-12.29.2003

Cleanup Program Sites from GeoTracker Search - Documents(as of Jan 18, 2019)

Document Type: Site Documents ***Submitted:***
Document Date: 11/29/2007 ***Submitted By:*** CLEET CARLTON (REGULATOR)
Size : 120 KB
Title: APPROVAL OF "INVESTIGATIVE REPORT AND REPORT OF INTERIM REMEDIAL ACTION", AND NO FURTHER ACTION
Title Link: http://geotracker.waterboards.ca.gov/site_documents/6853993058/2985%20Ford%20%2D%20Approval%20of%20Investigative%20Report%20and%20Report%20of%20Interim%20Remedial%20Action%20and%20NFA%209%2D23%2D04%2Epdf
Type: LETTER

Document Type: Site Documents ***Submitted:***
Document Date: 11/29/2007 ***Submitted By:*** CLEET CARLTON (REGULATOR)
Size : 137 KB
Title: APPROVAL OF TECHNICAL REPORT FOR SOIL INVESTIGATION

Title Link: http://geotracker.waterboards.ca.gov/site_documents/3626759171/2985%20Ford%20%2D%20Approval%20of%20Technical%20Report%20for%20Soil%20Investigation%205%2D28%2D04%2Epdf
Type: LETTER

Document Type: Site Documents
Submitted:
Document Date: 11/29/2007
Submitted By: CLEET CARLTON (REGULATOR)
Size : 92 KB
Title: CONDITIONAL APPROVAL OF WORKPLAN AND WORKPLAN ADDENDUM FOR SOIL AND GROUNDWATER INVESTIGATION, AND REQUEST FOR TECHNICAL REPORT
Title Link: http://geotracker.waterboards.ca.gov/site_documents/2996673405/2985%20Ford%20%2D%20Conditional%20Approval%20of%20WP%20and%20WP%20Addendum%20and%20request%20for%20Technical%20Report%2012%2D29%2D03%2Epdf
Type: LETTER

Document Type: Site Documents
Submitted:
Document Date: 9/23/2004
Submitted By: MICHELE HARDEN (REGULATOR)
Size :
Title: 176899-APPROVAL OF INVESTIGATIVE REPORT & INTERIM REMEDIAL ACTION-09.23.2004
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600139792&enforcement_id=6250596
Type: STAFF LETTER

Document Type: Site Documents
Submitted:
Document Date: 5/28/2004
Submitted By: MICHELE HARDEN (REGULATOR)
Size :
Title: 177010-APPROVAL OF TECHNICAL REPORT FOR SOIL INVESTIGATION-05.28.2004
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600139792&enforcement_id=6250598
Type: STAFF LETTER

Document Type: Site Documents
Submitted:
Document Date: 12/29/2003
Submitted By: MICHELE HARDEN (REGULATOR)
Size :
Title: 176824-CONDITIONAL APPROVAL OF WORKPLAN-12.29.2003
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600139792&enforcement_id=6250593
Type: STAFF LETTER

Cleanup Program Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)

Status: Completed - Case Closed
Date : 9/23/2004

Status: Open - Case Begin Date
Date : 9/23/2004

84	1 of 1	ESE	0.42 / 2,226.01	37.65 / 0	FRUITVALE TRANSIT VILLAGE 3501-3601 E 12TH ST OAKLAND CA 94601	CLEANUP SITES

Global ID: SL0600154423
Site Facility Type: CLEANUP PROGRAM SITE
Status: COMPLETED - CASE CLOSED
County: ALAMEDA
Status Date: 2017-12-05 00:00:00
Latitude: 37.775120434
Site Code:
Longitude: -122.222695922
Data Source: Cleanup Program Sites from GeoTracker Search; Cleanup Sites from GeoTracker Cleanup Sites Data Download

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case Number: 01S0639
CUF Case: NO
Local Case Number:
Case Worker: UUU
Begin Date: 2005-06-30 00:00:00
File Location: Regional Board
Stop Method: Other Means
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Local Agency:
Potential COC: Chromium, Gasoline, Waste Oil / Motor / Hydraulic / Lubricating
Potential Media of Concern: Other Groundwater (uses other than drinking water), Soil, Soil Vapor
How Discovered: Site Assessment/Site Investigation
How Discovered Description:
Stop Description:

Calwater Watershed Name: South Bay - East Bay Cities (204.20)
DWR GW Subbasin Name: Santa Clara Valley - East Bay Plain (2-009.04)
Disadvantaged Community: Disadvantaged Community
Site History:

Soil beneath the site has been impacted from the past site uses that included an auto sales yard, and radiator and plastic fabrication shops. The soil contaminants include chromium, diesel and motor oil. The soil contamination is minor and does not appear to pose a significant risks to future site occupants. The groundwater contamination is a part of an off-site plume which is being actively remediated, and therefore is expected to decrease in the future. The magnetometer survey did not confirm the presence of suspected USTs at the site. The soil gas investigation results indicated that fuel hydrocarbons are not present in soil gas beneath the subject site, therefore there is no risk from vapor volatilization to indoor air in future site buildings. The RAP including the soil and groundwater management plans will be submitted for the Board approval prior to site reconstruction field activities.

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Acitivity

Action Type: ENFORCEMENT
Date : 2017-12-05 00:00:00
Action: Closure/No Further Action Letter

Action Type: ENFORCEMENT
Date : 2017-09-29 00:00:00
Action: Notification - Public Notice of Case Closure

Action Type: ENFORCEMENT
Date : 2017-03-06 00:00:00
Action: Staff Letter

Action Type: ENFORCEMENT
Date : 2016-12-14 00:00:00
Action: Meeting

Action Type: RESPONSE
Date : 2016-10-12 00:00:00
Action: Request for Closure

Action Type: ENFORCEMENT
Date : 2016-07-08 00:00:00
Action: Annual Estimation Letter - #2020208

Action Type: ENFORCEMENT
Date : 2015-07-15 00:00:00
Action: Annual Estimation Letter - #01S0639

Action Type: ENFORCEMENT
Date : 2015-05-07 00:00:00
Action: 13267 Requirement

Action Type: ENFORCEMENT
Date : 2014-12-18 00:00:00
Action: Site Visit / Inspection / Sampling

Action Type: RESPONSE
Date : 2014-07-23 00:00:00
Action: Well Destruction Report

Action Type: ENFORCEMENT
Date : 2014-07-22 00:00:00
Action: Cost Recovery Agreement / N. of Reimbursement

Action Type: ENFORCEMENT
Date : 2013-07-01 00:00:00
Action: Cost Recovery Agreement / N. of Reimbursement

Action Type: ENFORCEMENT
Date : 2009-03-24 00:00:00
Action: File review

Action Type: RESPONSE

Date : 2007-12-20 00:00:00
Action: Other Report / Document

Action Type: RESPONSE
Date : 2007-12-20 00:00:00
Action: Well Destruction Report

Action Type: RESPONSE
Date : 2007-12-20 00:00:00
Action: CAP/RAP - Final Remediation / Design Plan

Action Type: ENFORCEMENT
Date : 2006-12-20 00:00:00
Action: 13267 Requirement

Action Type: RESPONSE
Date : 2006-11-18 00:00:00
Action: Other Report / Document

Action Type: RESPONSE
Date : 2006-10-18 00:00:00
Action: Soil and Water Investigation Report

Action Type: ENFORCEMENT
Date : 2006-07-20 00:00:00
Action: 13267 Requirement

Action Type: RESPONSE
Date : 2006-04-28 00:00:00
Action: Other Workplan

Action Type: ENFORCEMENT
Date : 2006-01-31 00:00:00
Action: Staff Letter

Action Type: RESPONSE
Date : 2005-09-20 00:00:00
Action: Other Workplan

Action Type: ENFORCEMENT
Date : 2005-07-19 00:00:00
Action: Staff Letter

Action Type: Other
Date : 2005-07-18 00:00:00
Action: Leak Reported

Action Type: Other
Date : 1970-01-01 00:00:00
Action: Leak Stopped

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 2017-12-05 00:00:00

Status: Open - Site Assessment
Status Date: 2014-09-19 00:00:00

Status: Open - Inactive
Status Date: 2014-07-17 00:00:00

Status: Open - Verification Monitoring
Status Date: 2006-08-30 00:00:00

Status: Open - Site Assessment
Status Date: 2006-01-31 00:00:00

Status: Open - Site Assessment
Status Date: 2005-12-02 00:00:00

Status: Open - Site Assessment
Status Date: 2005-07-15 00:00:00

Status: Open - Site Assessment
Status Date: 2005-06-30 00:00:00

Status: Open - Case Begin Date
Status Date: 2005-06-30 00:00:00

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Phone Number:
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Email:
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND

Cleanup Program Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)

Project Status:
CUF Claim:
CUF Priority Assign:
CUF Amount Paid:
User Defined Beneficial Use:
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: http://geotracker.waterboards.ca.gov/profile_report?global_id=SL0600154423
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 12/5/2017
Cleanup History Link: http://geotracker.waterboards.ca.gov/profile_report_include?global_id=SL0600154423&tabname=regulatoryhistory
Potential COC: CHROMIUM, GASOLINE, WASTE OIL / MOTOR / HYDRAULIC / LUBRICATING
Potential Media Of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER), SOIL, SOIL VAPOR
DWR GW Sub Basin: Santa Clara Valley - East Bay Plain (2-009.04)
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: SAN FRANCISCO BAY RWQCB (REGION 2) (LEAD) - CASE #: 01S0639
CASEWORKER: CECILIO FELIX
ALAMEDA COUNTY LOP
WDR Place Type:
WDR File:
WDR Order:
File Location: REGIONAL BOARD
Site History:

Soil beneath the site has been impacted from the past site uses that included an auto sales yard, and radiator and plastic fabrication shops. The soil contaminants include chromium, diesel and motor oil. The soil contamination is minor and does not appear to pose a significant risks to future site occupants. The groundwater contamination is a part of an off-site plume which is being actively remediated, and therefore is expected to decrease in the future. The magnetometer survey did not confirm the presence of suspected USTs at the site. The soil gas investigation results indicated that fuel hydrocarbons are not present in soil gas beneath the subject site, therefore there is no risk from vapor volatilization to indoor air in future site buildings. The RAP including the soil and groundwater management plans will be submitted for the Board approval prior to site reconstruction field activities.

Cleanup Program Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)

Action Type: Enforcement - Other
Action Date:
Received Issue Date:
Action: Unknown
Doc Link:
Title Description Comments:

Action Type: Enforcement - Other
Action Date:
Received Issue Date:
Action: Unknown
Doc Link:

Title Description Comments:

Action Type: Enforcement - Other
Action Date:
Received Issue Date:
Action: Unknown
Doc Link:
Title Description Comments:

Action Type: Other Regulatory Actions
Action Date: 12/5/2017
Received Issue Date: 12/5/2017
Action: Closure/No Further Action Letter
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600154423&enforcement_id=6342901&temptable=ENFORCEMENT
Title Description Comments:

Case closure letter and case closure summary

Action Type: Notices
Action Date: 9/29/2017
Received Issue Date: 9/29/2017
Action: Notification - Public Notice of Case Closure
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600154423&enforcement_id=6337703&temptable=ENFORCEMENT
Title Description Comments:

Public Notice of Proposed Case Closure

Action Type: Other Regulatory Actions
Action Date: 3/6/2017
Received Issue Date: 3/6/2017
Action: Staff Letter
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600154423&enforcement_id=6314372&temptable=ENFORCEMENT
Title Description Comments:

Water Board staff letter indicating eligibility for low-threat closure

Action Type: Other Regulatory Actions
Action Date: 12/14/2016
Received Issue Date: 12/14/2016
Action: Meeting
Doc Link:
Title Description Comments:

Meeting to discuss case status and potential for site closure Review of site records, and potential impacts from other sites in neighboring areas. I recommended submittal of a soil management plan., Review of site records, and potential impacts from other sites in neighboring areas. I recommended submittal of a soil management plan.

Action Type: Response Requested - Other
Action Date: 10/12/2016
Received Issue Date: 10/12/2016
Action: Request for Closure
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL0600154423&doc_id=5949094
Title Description Comments:

Request for Case Closure

Action Type: Other Regulatory Actions
Action Date: 7/8/2016
Received Issue Date: 7/8/2016
Action: Annual Estimation Letter - #2020208
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600154423&enforcement_id=6291500&temp

table=ENFORCEMENT

Title Description Comments:

Annual Estimate for SCP Cost Recovery Oversight

Action Type: Other Regulatory Actions
Action Date: 7/15/2015
Received Issue Date: 7/15/2015
Action: Annual Estimation Letter - #01S0639
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600154423&enforcement_id=6253223&temptable=ENFORCEMENT
Title Description Comments:

Annual Estimate for SCP Cost Recovery Oversight for Fruitvale Transit Village, 3501-3601 E 12th St, Oakland, Alameda County

Action Type: Enforcement/Orders
Action Date: 5/7/2015
Received Issue Date: 5/7/2015
Action: 13267 Requirement
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600154423&enforcement_id=6244074&temptable=ENFORCEMENT
Title Description Comments:

Approval of Work Plan for Environmental Sampling and Requirement for Technical Report

Action Type: Other Regulatory Actions
Action Date: 12/18/2014
Received Issue Date: 12/18/2014
Action: Site Visit / Inspection / Sampling
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600154423&enforcement_id=6235463&temptable=ENFORCEMENT
Title Description Comments:

Site Inspection - Site orientation

Action Type: Response Requested - Reports
Action Date: 7/23/2014
Received Issue Date: 7/23/2014
Action: Well Destruction Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL0600154423&doc_id=5822563
Title Description Comments:

Well Destruction report for off-site case (includes on-site well MW-12)

Action Type: Agreements
Action Date: 7/22/2014
Received Issue Date: 7/22/2014
Action: Cost Recovery Agreement / N. of Reimbursement
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600154423&enforcement_id=6215429&temptable=ENFORCEMENT
Title Description Comments:

Cost Recovery letter FY 2014-15 - 7.22.14

Action Type: Agreements
Action Date: 7/1/2013
Received Issue Date: 7/1/2013
Action: Cost Recovery Agreement / N. of Reimbursement
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600154423&enforcement_id=6166320&temptable=ENFORCEMENT
Title Description Comments:

Annual Estimate Letter for Cost Recovery

Action Type: Other Regulatory Actions
Action Date: 3/24/2009
Received Issue Date: 3/24/2009
Action: File review
Doc Link:
Title Description Comments:

Update GT

Action Type: Response Requested - Reports
Action Date: 12/20/2007
Received Issue Date: 7/23/2014
Action: Well Destruction Report
Doc Link:
Title Description Comments:

Well Destruction Report (MW-12) - MW-12 destruction report issued with off-site case on 7/23/2014

Action Type: Response Requested - Workplans
Action Date: 12/20/2007
Received Issue Date:
Action: CAP/RAP - Final Remediation / Design Plan
Doc Link:
Title Description Comments:

RAP: GMP, HSP, and SMP - RAP to include GMP, HSP and SMP

Action Type: Response Requested - Other
Action Date: 12/20/2007
Received Issue Date:
Action: Other Report / Document
Doc Link:
Title Description Comments:

Draft deed restriction - Draft deed restriction

Action Type: Enforcement/Orders
Action Date: 12/20/2006
Received Issue Date: 12/20/2006
Action: 13267 Requirement
Doc Link:
Title Description Comments:

Approval of Preliminary Remedial Action Recommendations and requirement of final RAP (SMP, GMP, HSP), deed restriction, and well destruction report for MW-12

Action Type: Response Requested - Other
Action Date: 11/18/2006
Received Issue Date: 11/17/2006
Action: Other Report / Document
Doc Link:
Title Description Comments:

- Preliminary Remedial Action REcemmendations

Action Type: Response Requested - Reports
Action Date: 10/18/2006
Received Issue Date: 8/30/2006
Action: Soil and Water Investigation Report
Doc Link:
Title Description Comments:

Soil and Water Investigation Report - Soil Gas Inv. Rep.

Action Type: Enforcement/Orders
Action Date: 7/20/2006
Received Issue Date: 7/20/2006
Action: 13267 Requirement
Doc Link:
Title Description Comments:

Approval of WP and report requirement

Action Type: Response Requested - Workplans
Action Date: 4/28/2006
Received Issue Date: 6/21/2006
Action: Other Workplan
Doc Link:
Title Description Comments:

- Soil Gas Sampling and Site management WP

Action Type: Other Regulatory Actions
Action Date: 1/31/2006
Received Issue Date: 1/31/2006
Action: Staff Letter
Doc Link:
Title Description Comments:

Action Type: Response Requested - Workplans
Action Date: 9/20/2005
Received Issue Date: 12/2/2005
Action: Other Workplan
Doc Link:
Title Description Comments:

- Phase II Env. Site Assessment

Action Type: Other Regulatory Actions
Action Date: 7/19/2005
Received Issue Date: 7/19/2005
Action: Staff Letter
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 7/18/2005
Received Issue Date:
Action: Leak Reported
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 1/1/1970
Received Issue Date:
Action: Leak Stopped
Doc Link:
Title Description Comments:

Cleanup Program Sites from GeoTracker Search - Documents(as of Jan 18, 2019)

Document Type: Site Documents
Document Date: 12/5/2017
Size :
Title: CASE CLOSURE LETTER AND CASE CLOSURE SUMMARY
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600154423&enforcement_id=6342901
Submitted:
Submitted By: CECILIO FELIX (REGULATOR)

Type: CLOSURE/NO FURTHER ACTION LETTER

Document Type: Site Documents **Submitted:**
Document Date: 9/29/2017 **Submitted By:** CECILIO FELIX (REGULATOR)
Size :
Title: PUBLIC NOTICE OF PROPOSED CASE CLOSURE
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600154423&enforcement_id=6337703
Type: NOTIFICATION - PUBLIC NOTICE OF CASE CLOSURE

Document Type: Site Documents **Submitted:**
Document Date: 3/6/2017 **Submitted By:** CECILIO FELIX (REGULATOR)
Size :
Title: WATER BOARD STAFF LETTER INDICATING ELIGIBILITY FOR LOW-THREAT CLOSURE
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600154423&enforcement_id=6314372
Type: STAFF LETTER

Document Type: Site Documents **Submitted:**
Document Date: 10/12/2016 **Submitted By:** CECILIO FELIX (REGULATOR)
Size :
Title: REQUEST FOR CASE CLOSURE
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600154423&document_id=5949094
Type: REQUEST FOR CLOSURE

Document Type: Site Documents **Submitted:**
Document Date: 7/8/2016 **Submitted By:** ASHA TURMAN (REGULATOR)
Size :
Title: ANNUAL ESTIMATE FOR SCP COST RECOVERY OVERSIGHT
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600154423&enforcement_id=6291500
Type: ANNUAL ESTIMATION LETTER

Document Type: Site Documents **Submitted:**
Document Date: 5/17/2016* **Submitted By:** LANGAN (AUTH_RP)
Size : 1,854 KB
Title: ENVIRONMENTAL SAMPLING RESULTS
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7004594802/SL0600154423.PDF
Type: REQUEST FOR CLOSURE

Document Type: Site Documents **Submitted:**
Document Date: 7/15/2015 **Submitted By:** ASHA TURMAN (REGULATOR)
Size :
Title: ANNUAL ESTIMATE FOR SCP COST RECOVERY OVERSIGHT FOR FRUITVALE TRANSIT VILLAGE, 3501-3601 E 12TH ST, OAKLAND, ALAMEDA COUNTY
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600154423&enforcement_id=6253223
Type: ANNUAL ESTIMATION LETTER

Document Type: Site Documents **Submitted:**
Document Date: 5/7/2015 **Submitted By:** CLEET CARLTON (REGULATOR)
Size :
Title: APPROVAL OF WORK PLAN FOR ENVIRONMENTAL SAMPLING AND REQUIREMENT FOR TECHNICAL REPORT
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600154423&enforcement_id=6244074
Type: 13267 REQUIREMENT

Document Type: Site Documents **Submitted:**
Document Date: 3/27/2015 **Submitted By:** LANGAN (AUTH_RP)
Size : 758 KB
Title: WORK PLAN FOR ENVIRONMENTAL SAMPLING, FRUITVALE TRANSIT VILLAGE, 3501 TO 3601 EAST 12TH STREET, OAKLAND, CALIFORNIA
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4807527661/SL0600154423.PDF
Type: OTHER WORKPLAN

Document Type: Site Documents **Submitted:**
Document Date: 12/18/2014 **Submitted By:** CLEET CARLTON (REGULATOR)
Size :
Title: SITE INSPECTION - SITE ORIENTATION
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600154423&enforcement_id=6235463
Type: SITE VISIT / INSPECTION / SAMPLING

Document Type: Site Documents **Submitted:**

Document Date: 7/23/2014 **Submitted By:** CLEET CARLTON (REGULATOR)
Size :
Title: WELL DESTRUCTION REPORT FOR OFF-SITE CASE (INCLUDES ON-SITE WELL MW-12) - REGULATOR RESPONSE
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600154423&document_id=5822563
Type: WELL DESTRUCTION REPORT

Document Type: Site Documents **Submitted:**
Document Date: 7/22/2014 **Submitted By:** MICHAEL WRIGLEY (REGULATOR)
Size :
Title: COST RECOVERY LETTER FY 2014-15 - 7.22.14
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600154423&enforcement_id=6215429
Type: COST RECOVERY AGREEMENT / N. OF REIMBURSEMENT

Document Type: Site Documents **Submitted:**
Document Date: 7/1/2013 **Submitted By:** MICHAEL WRIGLEY (REGULATOR)
Size :
Title: ANNUAL ESTIMATE LETTER FOR COST RECOVERY
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600154423&enforcement_id=6166320
Type: COST RECOVERY AGREEMENT / N. OF REIMBURSEMENT

Document Type: Site Documents **Submitted:**
Document Date: 3/24/2009 **Submitted By:** BARBARA SIEMINSKI (REGULATOR)
Size : 63 KB
Title: MEETING AGENDA
Title Link: http://geotracker.waterboards.ca.gov/community_involvement/3152051627/01S0639meetingAgenda%2Epdf
Type: UPDATES AND INFORMATION - MEETING NOTICE

Document Type: Site Documents **Submitted:**
Document Date: 3/24/2009 **Submitted By:** BARBARA SIEMINSKI (REGULATOR)
Size : 132 KB
Title: FACT SHEET #1
Title Link: http://geotracker.waterboards.ca.gov/community_involvement/9085767447/FruitvaleBARTfactSheet1Final%2Epdf
Type: UPDATES AND INFORMATION - FACT SHEET

Document Type: Site Documents **Submitted:**
Document Date: 12/20/2006 **Submitted By:** BARBARA SIEMINSKI (REGULATOR)
Size : 89 KB
Title: 01S0639PRELIMINRAPAPP12-19-6
Title Link: http://geotracker.waterboards.ca.gov/site_documents/5241474747/01S0639PrelimRAPapp12%2D19%2D6%2Epdf
Type: LETTER

Document Type: Site Documents **Submitted:**
Document Date: 11/28/2006 **Submitted By:** BARBARA SIEMINSKI (REGULATOR)
Size : 515 KB
Title: PRELIMINARY REMEDIAL ACTION RECOMMENDATIONS 11-17-06
Title Link: http://geotracker.waterboards.ca.gov/site_documents/2588139176/01S0639Fruitvale%20Remedial%20Recs%2E%5F20061118023626%2Epdf
Type: OTHER

Document Type: Site Documents **Submitted:**
Document Date: 10/25/2006 **Submitted By:** TREADWELL & ROLLO (AUTH_RP)
Size : 2,778 KB
Title: SOIL GAS INVESTIGATION REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8522581338/SL0600154423.PDF
Type: REPORTS - INVESTIGATION RPT.

Document Type: Site Documents **Submitted:**
Document Date: 10/24/2006 **Submitted By:** BARBARA SIEMINSKI (REGULATOR)
Size : 141 KB
Title: FACT SHEET 1
Title Link: http://geotracker.waterboards.ca.gov/site_documents/3964588761/Fruitvale%20BART%20Facts%5F20050709082346%2Epdf
Type:

Document Type: Site Documents **Submitted:**
Document Date: 9/18/2006 **Submitted By:** TREADWELL & ROLLO (AUTH_RP)
Size : 9,022 KB
Title: PHASE II ENVIRONMENTAL SITE ASSESSMENT

Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2217527627/SL0600154423.PDF
Type: REPORTS - INVESTIGATION RPT.

Document Type: Site Documents **Submitted:**
Document Date: 9/18/2006 **Submitted By:** TREADWELL & ROLLO (AUTH_RP)
Size : 2,867 KB
Title: PHASE 1 ENVIRONMENTAL SITE ASSESSMENT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1653869450/SL0600154423.PDF
Type: REPORTS - INVESTIGATION RPT.

Document Type: Site Documents **Submitted:**
Document Date: 7/25/2006 **Submitted By:** BARBARA SIEMINSKI (REGULATOR)
Size : 87 KB
Title: 01S0639WPAPP7-18-6
Title Link: http://geotracker.waterboards.ca.gov/site_documents/9554981827/01S0639WPapp7%2D18%2D6%2Epdf
Type: LETTER

Document Type: Site Documents **Submitted:**
Document Date: 1/31/2006 **Submitted By:** BARBARA SIEMINSKI (REGULATOR)
Size : 88 KB
Title: 01S0639ADDINV1-31-6
Title Link: http://geotracker.waterboards.ca.gov/site_documents/5444035172/01S0639AddInv1%2D31%2D6%2Epdf
Type:

Document Type: Site Documents **Submitted:**
Document Date: 7/19/2005 **Submitted By:** BARBARA SIEMINSKI (REGULATOR)
Size : 84 KB
Title: 01S0639WPAPP7-19-5
Title Link: http://geotracker.waterboards.ca.gov/site_documents/7624134659/01S0639WPapp7%2D19%2D5%2Epdf
Type:

Cleanup Program Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)

Status: Completed - Case Closed
Date : 12/5/2017

Status: Open - Site Assessment
Date : 9/19/2014

Status: Open - Inactive
Date : 7/17/2014

Status: Open - Verification Monitoring
Date : 8/30/2006

Status: Open - Site Assessment
Date : 1/31/2006

Status: Open - Site Assessment
Date : 12/2/2005

Status: Open - Site Assessment
Date : 7/15/2005

Status: Open - Case Begin Date
Date : 6/30/2005

Status: Open - Site Assessment
Date : 6/30/2005

85	1 of 1	SW	0.42 / 2,231.95	12.72 / -25	BAY AREA DIABLO PETROLEUM 421 23RD AVE Oakland CA 94606	ALAMEDA LOP

Record ID: RO0000395
Alt Record ID: SD0000395
Program: LUST

Release Type: UST
Site Contact: WICKHAM, JERRY
RP Identification Date: 8/19/1998 12:00:00 AM
GIS Latitude: 37.7740416474
GIS Longitude: -122.2361863428
Data Source: Local Oversight Program Detailed Inventory; Local Oversight Program Inventory

--Details--

Program Element: 5602
Status: 1,3B,5C,9
Status Desc: Leak confirmation,Preliminary site assessment underway,Pollution characterization,Case closed
Substance: 8006619
Org Name: CAMPANELLA CS TRUST
Description 1: Pollution Characterization
Description 2: Former Fee Title Owner
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 1,3B,5C,9
Status Desc: Leak confirmation,Preliminary site assessment underway,Pollution characterization,Case closed
Substance: 8006619
Org Name: CAMPANELLA CS TRUST
Description 1: Preliminary Site Assessment Underway
Description 2: Former Fee Title Owner
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 1,3B,5C,9
Status Desc: Leak confirmation,Preliminary site assessment underway,Pollution characterization,Case closed
Substance: 8006619
Org Name: ALAMEDA COUNTY LOP
Description 1: Pollution Characterization
Description 2: Not Applicable
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 1,3B,5C,9
Status Desc: Leak confirmation,Preliminary site assessment underway,Pollution characterization,Case closed
Substance: 8006619
Org Name: CAMPANELLA CS TRUST
Description 1: Case Closed
Description 2: Former Fee Title Owner
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 1,3B,5C,9
Status Desc: Leak confirmation,Preliminary site assessment underway,Pollution characterization,Case closed
Substance: 8006619
Org Name: ALAMEDA COUNTY LOP
Description 1: Case Closed
Description 2: Not Applicable
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 1,3B,5C,9
Status Desc: Leak confirmation,Preliminary site assessment underway,Pollution characterization,Case closed
Substance: 8006619
Org Name: ALAMEDA COUNTY LOP
Description 1: Preliminary Site Assessment Underway
Description 2: Not Applicable
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 1,3B,5C,9
Status Desc: Leak confirmation,Preliminary site assessment underway,Pollution characterization,Case closed
Substance: 8006619
Org Name: CAMPANELLA CS TRUST
Description 1: Leak Confirmation
Description 2: Former Fee Title Owner
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 1,3B,5C,9
Status Desc: Leak confirmation,Preliminary site assessment underway,Pollution characterization,Case closed
Substance: 8006619
Org Name: ALAMEDA COUNTY LOP
Description 1: Leak Confirmation
Description 2: Not Applicable
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

---

86	1 of 1	WNW	0.42 / 2,234.78	24.04 / -14	23RD AVENUE PARTNERS 1125 MILLER AVE OAKLAND CA 94601	ALAMEDA LOP

Record ID: RO0000294
Alt Record ID: SD0000294
Program: LUST
Release Type: UST
Site Contact: WICKHAM, JERRY
RP Identification Date: 7/16/1999 12:00:00 AM
GIS Latitude: 37.780682
GIS Longitude: -122.236727
Data Source: Local Oversight Program Detailed Inventory; Local Oversight Program Inventory

--Details--
Program Element: 5602
Status: 5C,9
Status Desc: Pollution characterization,Case closed
Substance: 12034
Org Name: ALAMEDA COUNTY LOP
Description 1: Pollution Characterization
Description 2: Not Applicable
Description 3: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 5C,9
Status Desc: Pollution characterization,Case closed

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Substance:	12034
Org Name:	ALAMEDA COUNTY LOP
Description 1:	Case Closed
Description 2:	Not Applicable
Description 3:	Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Description 4:	RP Identified & Solvent
Description 5:	Other Groundwater affected (uses other than drinking water)
Description 6:	Substance released from Underground Storage Tank System

87	1 of 1	NW	0.43 / 2,251.50	26.11 / -12	ERNIE'S AUTOMOTIVE 2400 E 12TH ST Oakland CA 94601	ALAMEDA LOP

Record ID:	RO0000935
Alt Record ID:	SD0000935
Program:	LUST
Release Type:	UST
Site Contact:	CHAN, BARNEY
RP Identification Date:	1/22/1993 12:00:00 AM
GIS Latitude:	37.7819221537
GIS Longitude:	-122.2355585738
Data Source:	Local Oversight Program Detailed Inventory; Local Oversight Program Inventory

--Details--

Program Element:	5602
Status:	9
Status Desc:	Case closed
Substance:	8006619
Org Name:	ALAMEDA COUNTY LOP
Description 1:	Case Closed
Description 2:	Not Applicable
Description 3:	Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4:	RP Identified & Solvent
Description 5:	Other Groundwater affected (uses other than drinking water)
Description 6:	Substance released from Underground Storage Tank System

Program Element:	5602
Status:	9
Status Desc:	Case closed
Substance:	8006619
Org Name:	NA
Description 1:	Case Closed
Description 2:	Business Owner
Description 3:	Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4:	RP Identified & Solvent
Description 5:	Other Groundwater affected (uses other than drinking water)
Description 6:	Substance released from Underground Storage Tank System

Program Element:	5602
Status:	9
Status Desc:	Case closed
Substance:	8006619
Org Name:	NA
Description 1:	Case Closed
Description 2:	Property/Fee Title Owner
Description 3:	Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4:	RP Identified & Solvent
Description 5:	Other Groundwater affected (uses other than drinking water)
Description 6:	Substance released from Underground Storage Tank System

88	1 of 1	S	0.43 / 2,270.05	17.24 / -21	DEL MONTE PLANT #26 400 LANCASTER ST Oakland CA 94601	ALAMEDA LOP

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Record ID: RO0000666
Alt Record ID: SD0000666
Program: LUST
Release Type: UST
Site Contact: CHAN, BARNEY
RP Identification Date: 2/22/1994 12:00:00 AM
GIS Latitude: 37.7706661649
GIS Longitude: -122.2305201712
Data Source: Local Oversight Program Detailed Inventory; Local Oversight Program Inventory

--Details--
Program Element: 5602
Status: 9
Status Desc: Case closed
Substance: 8006619
Org Name: DEL MONTE FOODS
Description 1: Case Closed
Description 2: Property/Fee Title Owner
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 9
Status Desc: Case closed
Substance: 8006619
Org Name: ALAMEDA COUNTY LOP
Description 1: Case Closed
Description 2: Not Applicable
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

---

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
89	1 of 1	WSW	0.43 / 2,278.22	13.28 / -25	FIDELITY PACKAGING CORPORATION 646 KENNEDY ST Oakland CA 94606	ALAMEDA LOP

Record ID: RO0000984
Alt Record ID: SD0000984
Program: LUST
Release Type: UST
Site Contact: CHU, EVA
RP Identification Date: 3/20/1992 12:00:00 AM
GIS Latitude: 37.7762675849
GIS Longitude: -122.2373196648
Data Source: Local Oversight Program Detailed Inventory; Local Oversight Program Inventory

--Details--
Program Element: 5602
Status: 9
Status Desc: Case closed
Substance: 8006619
Org Name: ALAMEDA COUNTY LOP
Description 1: Case Closed
Description 2: Not Applicable
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 9

Status Desc: Case closed
Substance: 8006619
Org Name: FIDELITY PACKAGING CO INC
Description 1: Case Closed
Description 2: Property/Fee Title Owner
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

---

90	1 of 1	SW	0.43 / 2,285.43	12.54 / -25	BAY AREA DIABLO PETROLEUM 421 23RD OAKLAND CA 94606	LUST

Global ID: T0600102218
Status: COMPLETED - CASE CLOSED
Status Date: 2011-09-01 00:00:00
Case Type: LUST CLEANUP SITE
Date Source: LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download
County: ALAMEDA
Latitude: 37.773779
Longitude: -122.236

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case Number: 01-2408
Local Case Number: RO0000395
Begin Date: 1998-08-13 00:00:00
Lead Agency: ALAMEDA COUNTY LOP
Local Agency:
CUF Case: YES
Potential COC: Diesel, Gasoline
How Discovered: Tank Closure
Stop Method: Close and Remove Tank
Stop Description:
Case Worker:
File Location: All Files are on GeoTracker or in the Local Agency Database

Potential Media of Concern: Other Groundwater (uses other than drinking water)
How Discovered Description:
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
DWR GW Subbasin Name: Santa Clara Valley - East Bay Plain (2-009.04)
Disadvantaged Community:
Site History:

The site is the Golden Gate Petroleum Oakland Cardlock, a commercial facility with a warehouse and two operating 20,000-gallon underground storage tanks (USTs) and supporting dispensers in Oakland, CA. Surrounding land use is commercial and industrial. The site has supplied retail motor vehicle fuels since 1976. In August 1998, one 8,000-gallon UST and four 12,000-gallon USTs along with the associated product lines and dispensers were removed. The five USTs were replaced with two 20,000-gallon double wall, steel, fiberglass-reinforced USTs. During the 1998 tank removal, approximately 1,300 cubic yards of contaminated soil beneath the tanks, product lines, and dispensers was excavated and disposed off-site. During and after the excavation, 49 soil samples and one groundwater sample were collected. Soil samples collected prior to excavation contained up to 18,000 ppm of total petroleum hydrocarbons as gasoline (TPHg), 22,000 ppm of TPHd, 67 ppm of benzene, 1,800 ppm of toluene, 370 ppm of ethylbenzene, 2,200 ppm of total xylenes, and 880 ppm of MTBE. Contaminated soils were excavated to the top of the groundwater surface, at a total depth of approximately 11 feet bgs. Final confirmation soil samples collected from the former dispenser island excavations contained up to 1.9 ppm of MTBE, 240 ppm of TPHg, 1,400 ppm of TPHd, 0.35 ppm of benzene, 0.9 ppm of toluene, 1.4 ppm of ethylbenzene, and 2.8 ppm of total xylenes. Final confirmation soil samples collected from the base and sidewall of the tank pit excavation contained up to 7.3 ppm of MTBE, 8.2 ppm of TPHg, 0.01 ppm of benzene, 0.008 ppm of toluene, and 0.007 ppm of total xylenes. Approximately 28,000 gallons of groundwater was pumped from the excavation into holding tanks. Free-phase product was observed on the surface of the groundwater. A portion of the water and free-phase product was disposed off-site and the remainder was discharged to the sanitary sewer. A collection trench and two extraction casings were installed within the tank backfill in the former tank cavity for possible groundwater extraction. In October 1999, Hageman & Aguiar collected soil and grab groundwater samples from eight direct-push soil borings located throughout the site. TPHg and TPHd were detected in grab groundwater samples at concentrations up to 12,000 and 620,000 ppb, respectively. MTBE was detected in the grab groundwater samples at concentrations up to 13,000 ppb. Based on the results of the direct-push soil borings, four groundwater monitoring wells (MW-1 through MW-4) were installed on November 1, 1999. An additional three groundwater monitoring wells (MW-5 through MW-7) were installed on July 28, 2000. The seven monitoring wells were sampled from 1999 to 2002 and were again sampled in December 2007. MTBE was reported in the off-site monitoring wells southwest of the site at concentrations up to 2,400 ppb. MTBE concentrations in groundwater showed significant decreases over time. The maximum concentration of MTBE reported during the initial sampling event in November 1999 was 13,000 ppb; the maximum concentration of MTBE reported during the last sampling event in December 2007 was 320 ppb. A soil vapor survey was conducted at the site on December 16, 2008. TPHg, BTEX, and MTBE were not detected in soil vapor at concentrations above reporting limits. The reporting limit for benzene in soil vapor was 0.5 micrograms per liter (µg/L) which exceeds the Environmental Screening Level (San Francisco Bay Regional Water Quality Control Board, May 2008) for soil vapor under a commercial land use scenario of 0.28 µg/L. Based on the lack of detections for all petroleum hydrocarbons in soil vapor, results from groundwater sampling, and the age of the release, vapor intrusion does not appear to be a significant concern for commercial land use at the site. Tetrachloroethene (PCE) was detected in one soil vapor sample (GP-8) at a concentration of 4.71 µg/L. PCE storage or use was not reported on site. The source of the PCE in groundwater is unknown but potentially may be related to an off-site source. On January 13, 2009, two direct-push soil borings (GP-A and GP-B) were advanced on site adjacent to sampling locations where elevated concentrations of petroleum hydrocarbons were previously detected in soil and groundwater. Soil and grab groundwater sampling

results from borings GP-A and GP-B indicated that concentrations of TPHg, BTEX, and MTBE had decreased significantly between 1999 and 2009.

Regulatory Activity

Action Type: ENFORCEMENT
Date : 2011-09-01 00:00:00
Action: Closure/No Further Action Letter - #20110901

Action Type: RESPONSE
Date : 2011-02-04 00:00:00
Action: Well Destruction Report

Action Type: ENFORCEMENT
Date : 2010-11-03 00:00:00
Action: Notice of Violation - #20101103

Action Type: ENFORCEMENT
Date : 2010-03-22 00:00:00
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Action Type: ENFORCEMENT
Date : 2010-01-28 00:00:00
Action: Staff Letter - #20100128

Action Type: ENFORCEMENT
Date : 2009-08-05 00:00:00
Action: Staff Letter - #20090805

Action Type: ENFORCEMENT
Date : 2009-08-05 00:00:00
Action: File Review - Closure

Action Type: ENFORCEMENT
Date : 2009-07-24 00:00:00
Action: Staff Letter - #20090724

Action Type: ENFORCEMENT
Date : 2009-04-14 00:00:00
Action: Staff Letter - #20090414

Action Type: ENFORCEMENT
Date : 2008-08-07 00:00:00
Action: Staff Letter - #20080807

Action Type: ENFORCEMENT
Date : 2008-07-03 00:00:00
Action: Staff Letter - #20080703

Action Type: ENFORCEMENT
Date : 2008-04-15 00:00:00
Action: * NEL - #20080415

Action Type: Other
Date : 1998-08-17 00:00:00
Action: Leak Reported

Action Type: REMEDIATION
Date : 1998-08-13 00:00:00
Action: Excavation

Action Type: Other
Date : 1998-08-13 00:00:00
Action: Leak Discovery

Regulatory Contacts

Contact Type:	Regional Board Caseworker	**Address:**	1515 CLAY ST SUITE 1400
Contact Name:	Regional Water Board	**Email:**	
City:	OAKLAND	**Phone Number:**	
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)		

Status History

Status:	Completed - Case Closed
Status Date:	2011-09-01 00:00:00
Status:	Open - Site Assessment
Status Date:	1999-11-23 00:00:00
Status:	Open - Site Assessment
Status Date:	1998-08-18 00:00:00
Status:	Open - Site Assessment
Status Date:	1998-08-17 00:00:00
Status:	Open - Case Begin Date
Status Date:	1998-08-13 00:00:00

LUST Cleanup Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)

Site Facility Name:	BAY AREA DIABLO PETROLEUM	**Address:**	421 23RD
Site Facility Type:	LUST CLEANUP SITE	**City:**	OAKLAND
Cleanup Status:	COMPLETED - CASE CLOSED	**Zip:**	94606
Project Status:		**County:**	ALAMEDA
Potential COC:	DIESEL, GASOLINE	**CUF Claim:**	13772
WDR Place Type:		**CUF Priority Assig:**	C
WDR File:		**CUF Amount Paid:**	$292,554
WDR Order:			

File Location: ALL FILES ARE ON GEOTRACKER OR IN THE LOCAL AGENCY DATABASE
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: http://geotracker.waterboards.ca.gov/profile_report?global_id=T0600102218
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 9/1/2011
Cleanup History Link: http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0600102218&tabname=regulatoryhistory
Potential Media Of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
User Defined Beneficial Use:
DWR GW Sub Basin: Santa Clara Valley - East Bay Plain (2-009.04)
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
Post Closure Site Management: DAY CARE CENTER PROHIBITED
ELDER CARE CENTER PROHIBITED
HOSPITAL USE PROHIBITED
NO EXCAVATION OF CONTAMINATED SOILS WITHOUT AGENCY REVIEW AND APPROVAL
NO GROUNDWATER EXTRACTION AT ANY DEPTH WITHOUT APPROVAL
NOTIFY PRIOR TO CHANGE IN LAND USE
NOTIFY PRIOR TO DEVELOPMENT
NOTIFY PRIOR TO SUBSURFACE WORK
PERFORM H&S PLAN PRIOR TO SUBSURFACE WORK
PUBLIC OR PRIVATE SCHOOL FOR PERSONS UNDER 21 PROHIBITED
RAISING OF FOOD PROHIBITED
RESIDENCE USE PROHIBITED
Future Land Use: COMMERCIAL
Cleanup Oversight Agencies: ALAMEDA COUNTY LOP (LEAD) - CASE #: RO0000395
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 01-2408
CASEWORKER: Regional Water Board
Site History:

The site is the Golden Gate Petroleum Oakland Cardlock, a commercial facility with a warehouse and two operating 20,000-gallon underground storage tanks (USTs) and supporting dispensers in Oakland, CA. Surrounding land use is commercial and industrial. The site has supplied retail motor vehicle fuels since 1976.

In August 1998, one 8,000-gallon UST and four 12,000-gallon USTs along with the associated product lines and dispensers were removed. The five USTs were replaced with two 20,000-gallon double wall, steel, fiberglass-reinforced USTs. During the 1998 tank removal, approximately 1,300 cubic yards of contaminated soil beneath the tanks, product lines, and dispensers was excavated and disposed off-site. During and after the excavation, 49

soil samples and one groundwater sample were collected. Soil samples collected prior to excavation contained up to 18,000 ppm of total petroleum hydrocarbons as gasoline (TPHg), 22,000 ppm of TPHd, 67 ppm of benzene, 1,800 ppm of toluene, 370 ppm of ethylbenzene, 2,200 ppm of total xylenes, and 880 ppm of MTBE. Contaminated soils were excavated to the top of the groundwater surface, at a total depth of approximately 11 feet bgs. Final confirmation soil samples collected from the former dispenser island excavations contained up to 1.9 ppm of MTBE, 240 ppm of TPHg, 1,400 ppm of TPHd, 0.35 ppm of benzene, 0.9 ppm of toluene, 1.4 ppm of ethylbenzene, and 2.8 ppm of total xylenes. Final confirmation soil samples collected from the base and sidewall of the tank pit excavation contained up to 7.3 ppm of MTBE, 8.2 ppm of TPHg, 0.01 ppm of benzene, 0.008 ppm of toluene, and 0.007 ppm of total xylenes. Approximately 28,000 gallons of groundwater was pumped from the excavation into holding tanks. Free-phase product was observed on the surface of the groundwater. A portion of the water and free-phase product was disposed off-site and the remainder was discharged to the sanitary sewer. A collection trench and two extraction casings were installed within the tank backfill in the former tank cavity for possible groundwater extraction.

In October 1999, Hageman & Aguiar collected soil and grab groundwater samples from eight direct-push soil borings located throughout the site. TPHg and TPHd were detected in grab groundwater samples at concentrations up to 12,000 and 620,000 ppb, respectively. MTBE was detected in the grab groundwater samples at concentrations up to 13,000 ppb. Based on the results of the direct-push soil borings, four groundwater monitoring wells (MW-1 through MW-4) were installed on November 1, 1999. An additional three groundwater monitoring wells (MW-5 through MW-7) were installed on July 28, 2000.

The seven monitoring wells were sampled from 1999 to 2002 and were again sampled in December 2007. MTBE was reported in the off-site monitoring wells southwest of the site at concentrations up to 2,400 ppb. MTBE concentrations in groundwater showed significant decreases over time. The maximum concentration of MTBE reported during the initial sampling event in November 1999 was 13,000 ppb; the maximum concentration of MTBE reported during the last sampling event in December 2007 was 320 ppb.

A soil vapor survey was conducted at the site on December 16, 2008. TPHg, BTEX, and MTBE were not detected in soil vapor at concentrations above reporting limits. The reporting limit for benzene in soil vapor was 0.5 micrograms per liter (µg/L) which exceeds the Environmental Screening Level (San Francisco Bay Regional Water Quality Control Board, May 2008) for soil vapor under a commercial land use scenario of 0.28 µg/L. Based on the lack of detections for all petroleum hydrocarbons in soil vapor, results from groundwater sampling, and the age of the release, vapor intrusion does not appear to be a significant concern for commercial land use at the site. Tetrachloroethene (PCE) was detected in one soil vapor sample (GP-8) at a concentration of 4.71 µg/L. PCE storage or use was not reported on site. The source of the PCE in groundwater is unknown but potentially may be related to an off-site source.

On January 13, 2009, two direct-push soil borings (GP-A and GP-B) were advanced on site adjacent to sampling locations where elevated concentrations of petroleum hydrocarbons were previously detected in soil and groundwater. Soil and grab groundwater sampling results from borings GP-A and GP-B indicated that concentrations of TPHg, BTEX, and MTBE had decreased significantly between 1999 and 2009.

LUST Cleanup Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)

Status: Completed - Case Closed
Date : 9/1/2011

Status: Open - Site Assessment
Date : 11/23/1999

Status: Open - Site Assessment
Date : 8/18/1998

Status: Open - Site Assessment
Date : 8/17/1998

Status: Open - Case Begin Date
Date : 8/13/1998

LUST Cleanup Sites from GeoTracker Search - Cleanup Action(as of Jan 18, 2019)

Action Type: EXCAVATION
Phase: Soil
Contaminant Mass Removed:
Description:
Begin Date: 8/13/1998
End Date: 8/19/1998

LUST Cleanup Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)

Action Type: Other Regulatory Actions
Action Date: 9/1/2011
Received Issue Date: 9/1/2011
Action: Closure/No Further Action Letter - #20110901
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600102218&enforcement_id=6097853&temptable=ENFORCEMENT

Action Type: Response Requested - Reports
Action Date: *2/4/2011
Received Issue Date: 7/26/2011
Action: Well Destruction Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600102218&doc_id=5659801

Action Type: Enforcement/Orders
Action Date: 11/3/2010
Received Issue Date: 11/3/2010
Action: Notice of Violation - #20101103
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600102218&enforcement_id=6068362&temptable=ENFORCEMENT

Action Type: Other Regulatory Actions
Action Date: 1/28/2010
Received Issue Date: 1/28/2010
Action: Staff Letter - #20100128
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600102218&enforcement_id=6041706&temptable=ENFORCEMENT

Action Type: Other Regulatory Actions
Action Date: 8/5/2009
Received Issue Date: 8/5/2009
Action: Staff Letter - #20090805
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600102218&enforcement_id=6027770&temptable=ENFORCEMENT

Action Type: Other Regulatory Actions
Action Date: 8/5/2009
Received Issue Date: 8/5/2009
Action: File Review - Closure
Doc Link:

Action Type: Other Regulatory Actions
Action Date: 7/24/2009
Received Issue Date: 7/24/2009
Action: Staff Letter - #20090724
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600102218&enforcement_id=6025488&temptable=ENFORCEMENT

Action Type: Other Regulatory Actions
Action Date: 4/14/2009
Received Issue Date: 4/14/2009
Action: Staff Letter - #20090414
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600102218&enforcement_id=6010199&temptable=ENFORCEMENT

Action Type: Response Requested - Reports
Action Date: 3/5/2009
Received Issue Date: 3/5/2009
Action: Clean Up Fund - 5-Year Review Summary
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600102218&doc_id=6045762

Action Type: Other Regulatory Actions
Action Date: 8/7/2008
Received Issue Date: 8/7/2008
Action: Staff Letter - #20080807
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600102218&enforcement_id=5983843&temptable=ENFORCEMENT

Action Type: Other Regulatory Actions
Action Date: 7/3/2008
Received Issue Date: 7/3/2008
Action: Staff Letter - #20080703
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600102218&enforcement_id=5980376&temptable=ENFORCEMENT

Action Type: Enforcement - Other

Action Date: 4/15/2008
Received Issue Date: 4/15/2008
Action: * NEL - #20080415
Doc Link:

Action Type: Leak Action
Action Date: 8/17/1998
Received Issue Date:
Action: Leak Reported
Doc Link:

Action Type: Leak Action
Action Date: 8/13/1998
Received Issue Date:
Action: Leak Discovery
Doc Link:

Action Type: Cleanup Action
Action Date: 8/13/1998
Received Issue Date:
Action: Excavation
Doc Link:

LUST Cleanup Sites from GeoTracker Search - Site Maps(as of Jan 18, 2019)

Title: OAKLAND MW-5 BORING LOG (MW-5)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1239277720/T0600102218.PDF
Size : 4,736 KB
Submitted By: BONKOWSKI & ASSOCIATES, INC. (AUTH_RP)
Submitted: 2/17/2009

Title: OAKLAND MW-3 BORING LOG (MW-3)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4344308018/T0600102218.PDF
Size : 4,467 KB
Submitted By: BONKOWSKI & ASSOCIATES, INC. (AUTH_RP)
Submitted: 2/17/2009

Title: OAKLAND MW-2 BORING LOG (MW-2)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7579544544/T0600102218.PDF
Size : 4,788 KB
Submitted By: BONKOWSKI & ASSOCIATES, INC. (AUTH_RP)
Submitted: 2/17/2009

Title: OAKLAND MW-7 BORING LOG (MW-7)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3402304410/T0600102218.PDF
Size : 4,538 KB
Submitted By: BONKOWSKI & ASSOCIATES, INC. (AUTH_RP)
Submitted: 2/17/2009

Title: OAKLAND MW-1 BORING LOG (MW-1)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4341307699/T0600102218.PDF
Size : 4,913 KB
Submitted By: BONKOWSKI & ASSOCIATES, INC. (AUTH_RP)
Submitted: 2/17/2009

Title: OAKLAND MW-4 BORING LOG (MW-4)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6622910022/T0600102218.PDF
Size : 4,565 KB
Submitted By: BONKOWSKI & ASSOCIATES, INC. (AUTH_RP)
Submitted: 2/17/2009

Title: OAKLAND MW-6 BORING LOG (MW-6)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8219011604/T0600102218.PDF
Size : 4,785 KB
Submitted By: BONKOWSKI & ASSOCIATES, INC. (AUTH_RP)
Submitted: 2/17/2009

Title: GEO_MAP

Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/7135542929/T0600102218.PDF
Size : 79 KB
Submitted By: BONKOWSKI & ASSOCIATES, INC. (AUTH_RP)
Submitted: 2/6/2009

LUST Cleanup Sites from GeoTracker Search - Documents(as of Jan 18, 2019)

Document Type: Site Documents
Size :
Document Date: 9/1/2011
Submitted By: JERRY WICKHAM (REGULATOR)
Type: CLOSURE/NO FURTHER ACTION LETTER
Submitted:
Title: CLOS_L_2011-09-01
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600102218&enforcement_id=6097853

Document Type: Site Documents
Size :
Document Date: 7/26/2011
Submitted By: JERRY WICKHAM (REGULATOR)
Type: WELL DESTRUCTION REPORT
Submitted:
Title: UNKNOWN - REGULATOR RESPONSE
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600102218&document_id=5659801

Document Type: Site Documents
Size :
Document Date: 11/3/2010
Submitted By: JERRY WICKHAM (REGULATOR)
Type: NOTICE OF VIOLATION
Submitted:
Title: ENF_L_2010-11-03
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600102218&enforcement_id=6068362

Document Type: Site Documents
Size :
Document Date: 1/28/2010
Submitted By: JERRY WICKHAM (REGULATOR)
Type: STAFF LETTER
Submitted:
Title: DIR_L_2010-01-28
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600102218&enforcement_id=6041706

Document Type: Site Documents
Size :
Document Date: 8/5/2009
Submitted By: MYLE DANH (REGULATOR)
Type: STAFF LETTER
Submitted:
Title: DIR_L
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600102218&enforcement_id=6027770

Document Type: Site Documents
Size :
Document Date: 7/24/2009
Submitted By: JERRY WICKHAM (REGULATOR)
Type: STAFF LETTER
Submitted:
Title: DIR_L_GW MON
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600102218&enforcement_id=6025488

Document Type: Site Documents
Size :
Document Date: 4/14/2009
Submitted By: MYLE DANH (REGULATOR)
Type: STAFF LETTER
Submitted:
Title: DIR_L
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600102218&enforcement_id=6010199

Document Type: Site Documents
Size :
Document Date: 3/5/2009
Submitted By: KIRK T. LARSON (REGULATOR)
Type: CLEAN UP FUND - 5-YEAR REVIEW SUMMARY
Submitted:
Title: UNKNOWN
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600102218&document_id=6045762

Document Type: Site Documents
Size : 1,426 KB
Document Date: 2/10/2009
Submitted By: BONKOWSKI & ASSOCIATES, INC. (AUTH_RP)
Type: OTHER REPORT / DOCUMENT
Submitted:
Title: OAKLAND SOIL GAS SURVEY & SOIL SAMPLING REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2431551277/T0600102218.PDF

Document Type: Site Documents
Size :
Document Date: 8/7/2008
Submitted By: MYLE DANH (REGULATOR)
Type: STAFF LETTER
Submitted:
Title: DIR_L
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600102218&enforcement_id=5983843

Document Type: Site Documents **Size :**
Document Date: 7/3/2008 **Submitted By:** DANIEL OLSEN (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: ESI COMPLIANCE DIRECTIVE
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600102218&enforcement_id=5980376

Document Type: Site Documents **Size :** 4,101 KB
Document Date: 1/14/2008 **Submitted By:** BONKOWSKI & ASSOCIATES, INC. (AUTH_RP)
Type: REQUEST FOR CLOSURE **Submitted:**
Title: OAKLAND CLOSURE REPORT, PART 4
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5971932530/T0600102218.PDF

Document Type: Site Documents **Size :** 8,161 KB
Document Date: 1/14/2008 **Submitted By:** BONKOWSKI & ASSOCIATES, INC. (AUTH_RP)
Type: REQUEST FOR CLOSURE **Submitted:**
Title: OAKLAND CLOSURE REPORT, PART 2
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3867934286/T0600102218.PDF

Document Type: Site Documents **Size :** 5,941 KB
Document Date: 1/14/2008 **Submitted By:** BONKOWSKI & ASSOCIATES, INC. (AUTH_RP)
Type: REQUEST FOR CLOSURE **Submitted:**
Title: OAKLAND CLOSURE REPORT, PART 5
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5806471884/T0600102218.PDF

Document Type: Site Documents **Size :** 4,105 KB
Document Date: 1/14/2008 **Submitted By:** BONKOWSKI & ASSOCIATES, INC. (AUTH_RP)
Type: REQUEST FOR CLOSURE **Submitted:**
Title: OAKLAND CLOSURE REPORT, PART 6
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7478945076/T0600102218.PDF

Document Type: Site Documents **Size :** 8,010 KB
Document Date: 1/14/2008 **Submitted By:** BONKOWSKI & ASSOCIATES, INC. (AUTH_RP)
Type: REMEDIAL ACTION COMPLETE **Submitted:**
Title: OAKLAND CLOSURE REPORT, PART 1
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6290436267/T0600102218.PDF

Document Type: Site Documents **Size :** 12,367 KB
Document Date: 1/14/2008 **Submitted By:** BONKOWSKI & ASSOCIATES, INC. (AUTH_RP)
Type: REQUEST FOR CLOSURE **Submitted:**
Title: OAKLAND CLOSURE REPORT, PART 3
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5479870021/T0600102218.PDF

Document Type: Monitoring Reports **Size :** 2,244 KB
Document Date: 2/9/2001 **Submitted By:** BONKOWSKI & ASSOCIATES, INC. (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: OAKLAND HA 1Q01 GROUNDWATER MONITORING REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3819149196/T0600102218.PDF

Document Type: Site Documents **Size :** 4,798 KB
Document Date: 8/22/2000 **Submitted By:** BONKOWSKI & ASSOCIATES, INC. (AUTH_RP)
Type: WELL INSTALLATION REPORT **Submitted:**
Title: OAKLAND 2000 WELL INSTALLATION & GWM REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1698013782/T0600102218.PDF

Document Type: Monitoring Reports **Size :** 1,784 KB
Document Date: 4/13/2000 **Submitted By:** BONKOWSKI & ASSOCIATES, INC. (AUTH_RP)
Type: MONITORING REPORT - OTHER **Submitted:**
Title: OAKLAND APRIL 2000 GROUNDWATER MONITORING REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9004983067/T0600102218.PDF

Document Type: Site Documents
Size : 1,307 KB
Document Date: 1/7/2000
Submitted By: BONKOWSKI & ASSOCIATES, INC. (AUTH_RP)
Type: SITE INVESTIGATION WORKPLAN
Submitted:
Title: OAKLAND WORKPLAN FOR SUBSURFACE INVESTIGATION
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3755066394/T0600102218.PDF

Document Type: Site Documents
Size : 4,683 KB
Document Date: 11/23/1999
Submitted By: BONKOWSKI & ASSOCIATES, INC. (AUTH_RP)
Type: SITE INVESTIGATION
Submitted:
Title: OAKLAND SUBSURFACE INVESTIGATION REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4305681526/T0600102218.PDF

Document Type: Site Documents
Size : 6,593 KB
Document Date: 11/16/1998
Submitted By: BONKOWSKI & ASSOCIATES, INC. (AUTH_RP)
Type: FINAL REMEDIAL ACTION REPORT / CORRECTIVE ACTION REPORT
Submitted:
Title: OAKLAND 1998 SITE ASSESSMENT & CAP
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7064373195/T0600102218.PDF

Document Type: Site Documents
Size : 5,800 KB
Document Date: 8/18/1998
Submitted By: BONKOWSKI & ASSOCIATES, INC. (AUTH_RP)
Type: INTERIM REMEDIAL ACTION REPORT
Submitted:
Title: OAKLAND 1998 SUPPLEMENTAL IRM WORKPLAN
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8267101466/T0600102218.PDF

91	1 of 1	W	0.43 / 2,287.64	14.94 / -23	HOLT VISUAL COMMUNICATION 802 KENNEDY OAKLAND CA 94606	LUST

Global ID: T0600100712
County: ALAMEDA
Status: COMPLETED - CASE CLOSED
Latitude: 37.7773994
Status Date: 1999-05-10 00:00:00
Longitude: -122.2376461
Case Type: LUST CLEANUP SITE
Date Source: LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case Number: 01-0775
Potential COC: Gasoline
Local Case Number: RO0001106
How Discovered: Other Means
Begin Date: 1991-02-15 00:00:00
Stop Method: Other Means
Lead Agency: ALAMEDA COUNTY LOP
Stop Description:
Local Agency:
Case Worker:
CUF Case: NO
File Location: All Files are on GeoTracker or in the Local Agency Database
Potential Media of Concern: Other Groundwater (uses other than drinking water)
How Discovered Description:
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
DWR GW Subbasin Name: Santa Clara Valley - East Bay Plain (2-009.04)
Disadvantaged Community:
Site History:

Regulatory Activity

Action Type: REMEDIATION
Date : 9999-09-09 00:00:00
Action: Excavation

Action Type: RESPONSE
Date : 1999-05-11 00:00:00

Action: Correspondence

Action Type: RESPONSE
Date : 1999-05-10 00:00:00
Action: Correspondence

Action Type: Other
Date : 1991-02-15 00:00:00
Action: Leak Reported

Regulatory Contacts

Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
City: OAKLAND
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
Email:
Phone Number:

Status History

Status: Completed - Case Closed
Status Date: 1999-05-10 00:00:00

Status: Open - Case Begin Date
Status Date: 1991-02-15 00:00:00

LUST Cleanup Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)

Site Facility Name: HOLT VISUAL COMMUNICATION
Site Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Project Status:
Potential COC: GASOLINE
WDR Place Type:
WDR File:
WDR Order:
Address: 802 KENNEDY
City: OAKLAND
Zip: 94606
County: ALAMEDA
CUF Claim:
CUF Priority Assig:
CUF Amount Paid:
File Location: ALL FILES ARE ON GEOTRACKER OR IN THE LOCAL AGENCY DATABASE
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: http://geotracker.waterboards.ca.gov/profile_report?global_id=T0600100712
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 5/10/1999
Cleanup History Link: http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0600100712&tabname=regulatoryhistory
Potential Media Of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
User Defined Beneficial Use: GW - MUNICIPAL AND DOMESTIC SUPPLY
DWR GW Sub Basin: Santa Clara Valley - East Bay Plain (2-009.04)
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: ALAMEDA COUNTY LOP (LEAD) - CASE #: RO0001106
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 01-0775
CASEWORKER: Regional Water Board
Site History:

No site history available

LUST Cleanup Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)

Status: Completed - Case Closed
Date : 5/10/1999

Status: Open - Case Begin Date
Date : 2/15/1991

LUST Cleanup Sites from GeoTracker Search - Cleanup Action(as of Jan 18, 2019)

Action Type: EXCAVATION
Begin Date: 9/9/9999
Phase:
End Date: 9/9/9999
Contaminant Mass Removed:
Description:

LUST Cleanup Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)

Action Type: Cleanup Action
Action Date: 9/9/9999
Received Issue Date:
Action: Excavation
Doc Link:

Action Type: Response Requested - Other
Action Date: 5/11/1999
Received Issue Date: 5/11/1999
Action: Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600100712&doc_id=5897960

Action Type: Response Requested - Other
Action Date: 5/10/1999
Received Issue Date: 5/10/1999
Action: Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600100712&doc_id=5898188

Action Type: Leak Action
Action Date: 2/15/1991
Received Issue Date:
Action: Leak Reported
Doc Link:

LUST Cleanup Sites from GeoTracker Search - Documents(as of Jan 18, 2019)

Document Type: Site Documents
Size :
Document Date: 5/11/1999
Submitted By: MICHELE HARDEN (REGULATOR)
Type: CORRESPONDENCE
Submitted:
Title: 3-18-2010 161124 13094 REMEDIAL ACTION COMPLETION CERTIFICATION 010775
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100712&document_id=5897960

Document Type: Site Documents
Size :
Document Date: 5/10/1999
Submitted By: MICHELE HARDEN (REGULATOR)
Type: CORRESPONDENCE
Submitted:
Title: 3-18-2010 161124 13094 REMEDIAL ACTION COMPLETION CERTIFICATION 010775
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100712&document_id=5898188

92	1 of 1	W	0.43 / 2,289.58	15.39 / -22	HOLT VISUAL COMMUNICATION 802 KENNEDY ST Oakland CA 94606	ALAMEDA LOP

Record ID: RO0001106
Alt Record ID: SD0001106
Program: LUST
Release Type: UST
Site Contact: CHAN, BARNEY
RP Identification Date: 2/24/1992 12:00:00 AM
GIS Latitude: 37.7776421978
GIS Longitude: -122.2375280286
Data Source: Local Oversight Program Detailed Inventory; Local Oversight Program Inventory

--Details--
Program Element: 5602
Status: 9

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status Desc: Case closed
Substance: 8006619
Org Name: ALAMEDA COUNTY LOP
Description 1: Case Closed
Description 2: Not Applicable
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

---

93	1 of 1	SSW	0.44 / 2,301.77	12.93 / -25	GLASCOCK PROPERTIES (TOXICS) 2901 GLASCOCK OAKLAND CA 94601	CLEANUP SITES

Global ID: T06019782456
Status: COMPLETED - CASE CLOSED
Status Date: 1994-08-24 00:00:00
Site Code:
Site Facility Type: CLEANUP PROGRAM SITE
County: ALAMEDA
Latitude: 37.772234
Longitude: -122.233928
Data Source: Cleanup Program Sites from GeoTracker Search; Cleanup Sites from GeoTracker Cleanup Sites Data Download

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case Number: NA
Local Case Number: RO0002842
Begin Date: 1994-01-21 00:00:00
CUF Case: NO
Case Worker:
File Location: All Files are on GeoTracker or in the Local Agency Database
Stop Method: Other Means
Lead Agency: ALAMEDA COUNTY LOP
Local Agency:
Potential COC:
Potential Media of Concern: Soil
How Discovered: Other Means
How Discovered Description:
Stop Description:
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
DWR GW Subbasin Name: Santa Clara Valley - East Bay Plain (2-009.04)
Disadvantaged Community:
Site History:

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 1994-08-24 00:00:00

Status: Open - Case Begin Date
Status Date: 1994-01-21 00:00:00

Cleanup Program Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)

Project Status:
CUF Claim:
CUF Priority Assign:
CUF Amount Paid:
WDR Place Type:
WDR File:
WDR Order:
File Location: ALL FILES ARE ON GEOTRACKER OR IN THE LOCAL AGENCY DATABASE
User Defined Beneficial Use:
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: http://geotracker.waterboards.ca.gov/profile_report?global_id=T06019782456
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 8/24/1994
Cleanup History Link: http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T06019782456&tabname=regulatoryhistory
Potential COC: ,
Potential Media Of Concern: SOIL

DWR GW Sub Basin: Santa Clara Valley - East Bay Plain (2-009.04)
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: ALAMEDA COUNTY LOP (LEAD) - CASE #: RO0002842
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: NA

Site History:

No site history available

Cleanup Program Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)

Status: Completed - Case Closed
Date : 8/24/1994

Status: Open - Case Begin Date
Date : 1/21/1994

94	1 of 1	W	0.44 / 2,311.20	14.23 / -24	SARONI TOTAL FOOD 727 KENNEDY ST Oakland CA 94606	ALAMEDA LOP

Record ID: RO0000631
Alt Record ID: SD0000631
Program: LUST
Release Type: UST
Site Contact: CHAN, BARNEY
RP Identification Date: 1/20/1995 12:00:00 AM
GIS Latitude: 37.7769876413
GIS Longitude: -122.2377766968
Data Source: Local Oversight Program Detailed Inventory; Local Oversight Program Inventory

--Details--
Program Element: 5602
Status: 9
Status Desc: Case closed
Substance: 8006619
Org Name: ALAMEDA COUNTY LOP
Description 1: Case Closed
Description 2: Not Applicable
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 9
Status Desc: Case closed
Substance: 8006619
Org Name: SARONI TOTAL FOOD INGREDIENTS
Description 1: Case Closed
Description 2: Property/Fee Title Owner
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 9
Status Desc: Case closed
Substance: 8006619
Org Name: OAKLAND PROP CORP NV
Description 1: Case Closed
Description 2: Business Owner
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

---

95	1 of 2	SSW	0.44 / 2,312.92	13.10 / -25	GLASCOCK AVENUE WAREHOUSE 2901 GLASCOCK AVE Oakland CA 94601	ALAMEDA LOP

Record ID: RO0000437
Alt Record ID: SD0000437
Program: LUST
Release Type: UST
Site Contact: ((RWQCB))
RP Identification Date: 3/31/1994 12:00:00 AM
GIS Latitude: 37.7720625042
GIS Longitude: -122.234015649
Data Source: Local Oversight Program Detailed Inventory; Local Oversight Program Inventory

--Details--

Program Element: 5602
Status: 11
Status Desc: Case transferred
Substance: 12034
Org Name: ICONCO
Description 1: Case Transferred
Description 2: Not Applicable
Description 3: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 11
Status Desc: Case transferred
Substance: 12034
Org Name: RWQCB
Description 1: Case Transferred
Description 2: Not Applicable
Description 3: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 11
Status Desc: Case transferred
Substance: 12034
Org Name: GLASCOCK AVE WAREHOUSE
Description 1: Case Transferred
Description 2: Not Applicable
Description 3: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

---

95	2 of 2	SSW	0.44 / 2,312.92	13.10 / -25	GLASCOCK PROPERTIES (TOXICS) 2901 GLASCOCK AVE OAKLAND CA 94601	ALAMEDA LOP

Record ID: RO0002842
Alt Record ID: SD0002831
Program: SLIC

Release Type: OTH
Site Contact: LOGAN, MADHULLA
RP Identification Date: 1/21/1994 12:00:00 AM
GIS Latitude: 37.7720525042
GIS Longitude: -122.2340256495
Data Source: Local Oversight Program Detailed Inventory; Local Oversight Program Inventory

--Details--

Program Element: 5502
Status: 9
Status Desc: Case closed
Substance: 0
Org Name: UNK2522
Description 1: Case Closed
Description 2: Unknown
Description 3: Not reported / unknown
Description 4: RP Identified & Solvent
Description 5: Soil only affected
Description 6: Other type of release

Program Element: 5502
Status: 9
Status Desc: Case closed
Substance: 0
Org Name: ALAMEDA COUNTY LOP
Description 1: Case Closed
Description 2: Not Applicable
Description 3: Not reported / unknown
Description 4: RP Identified & Solvent
Description 5: Soil only affected
Description 6: Other type of release

96	1 of 1	NNW	0.44 / 2,316.99	32.76 / -5	CREDIT WORLD AUTO SALES 2345 INTERNATIONAL OAKLAND CA 94601	LUST

Global ID: T0600101337
Status: COMPLETED - CASE CLOSED
Status Date: 2017-08-11 00:00:00
Case Type: LUST CLEANUP SITE
County: ALAMEDA
Latitude: 37.782937
Longitude: -122.234121
Date Source: LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case Number: 01-1448
Local Case Number: RO0000327
Begin Date: 1988-08-05 00:00:00
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Local Agency:
CUF Case: YES
Potential COC: Gasoline
How Discovered: Tank Closure
Stop Method: Close and Remove Tank
Stop Description:
Case Worker: MYM
File Location: All Files are on GeoTracker or in the Local Agency Database
Potential Media of Concern: Other Groundwater (uses other than drinking water)
How Discovered Description:
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
DWR GW Subbasin Name: Santa Clara Valley - East Bay Plain (2-009.04)
Disadvantaged Community: Disadvantaged Community
Site History:

Four USTs, two dispensers, and associated piping were removed from the site in August 1988. Site investigations have been conducted at various times between 1988 and 2006. Multiple phases of excavation and verifications sampling were conducted between December 1994 and October 1996. Installation of a dual-phase extraction system is complete and system start-up is pending.

Regulatory Activity

Action Type: ENFORCEMENT
Date : 2017-08-11 00:00:00
Action: Closure/No Further Action Letter

Action Type: RESPONSE
Date : 2017-04-21 00:00:00
Action: Well Destruction Report

Action Type: ENFORCEMENT
Date : 2017-02-08 00:00:00
Action: 13267 Requirement

Action Type: ENFORCEMENT
Date : 2016-12-09 00:00:00
Action: Technical Correspondence / Assistance / Other

Action Type: RESPONSE
Date : 2016-10-17 00:00:00
Action: Well Destruction Report

Action Type: RESPONSE
Date : 2016-08-12 00:00:00
Action: Well Destruction Workplan - Regulator Responded

Action Type: ENFORCEMENT
Date : 2016-08-11 00:00:00
Action: 13267 Requirement

Action Type: ENFORCEMENT
Date : 2016-02-22 00:00:00
Action: Notification - Public Notice of Case Closure

Action Type: RESPONSE
Date : 2015-12-17 00:00:00
Action: Request for Closure - Regulator Responded

Action Type: RESPONSE
Date : 2015-12-11 00:00:00
Action: Site Assessment Report

Action Type: ENFORCEMENT
Date : 2015-10-28 00:00:00
Action: 13267 Requirement

Action Type: ENFORCEMENT
Date : 2015-07-24 00:00:00
Action: 13267 Requirement

Action Type: RESPONSE
Date : 2015-04-06 00:00:00
Action: Site Investigation Workplan - Regulator Responded

Action Type: ENFORCEMENT
Date : 2014-06-30 00:00:00
Action: File Review - Closure

Action Type: ENFORCEMENT
Date : 2013-05-02 00:00:00
Action: File Review - Closure

Action Type: RESPONSE
Date : 2012-06-19 00:00:00
Action: Remedial Progress Report

Action Type: ENFORCEMENT
Date : 2012-05-31 00:00:00
Action: Referral to Regional Board - #20120531

Action Type: ENFORCEMENT
Date : 2012-04-23 00:00:00
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Action Type: ENFORCEMENT
Date : 2011-12-08 00:00:00
Action: Staff Letter - #20111208

Action Type: ENFORCEMENT
Date : 2011-04-28 00:00:00
Action: Staff Letter - #20110428

Action Type: ENFORCEMENT
Date : 2010-07-12 00:00:00
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Action Type: ENFORCEMENT
Date : 2010-03-22 00:00:00
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Action Type: ENFORCEMENT
Date : 2009-07-23 00:00:00
Action: Staff Letter - #20090723

Action Type: ENFORCEMENT
Date : 2009-04-21 00:00:00
Action: Staff Letter - #20090421

Action Type: ENFORCEMENT
Date : 2006-07-07 00:00:00
Action: Staff Letter - #20060707

Action Type: RESPONSE
Date : 2006-03-24 00:00:00
Action: Correspondence

Action Type: REMEDIATION
Date : 2002-03-02 00:00:00
Action: Pump & Treat (P&T) Groundwater

Action Type: REMEDIATION
Date : 1997-08-20 00:00:00
Action: Free Product Removal

Action Type: REMEDIATION
Date : 1994-12-01 00:00:00
Action: Excavation

Action Type: Other
Date : 1988-09-25 00:00:00
Action: Leak Stopped

Action Type: Other
Date : 1988-08-25 00:00:00
Action: Leak Discovery

Action Type: Other
Date : 1988-08-25 00:00:00
Action: Leak Reported

Regulatory Contacts

Contact Type: Regional Board Caseworker
Contact Name: MARTIN MUSONGE
City: OAKLAND
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY STREET
Email: martin.musonge@waterboards.ca.gov
Phone Number:

Status History

Status: Completed - Case Closed
Status Date: 2017-08-11 00:00:00

Status: Open - Eligible for Closure
Status Date: 2016-02-22 00:00:00

Status: Open - Remediation
Status Date: 1994-12-05 00:00:00

Status: Open - Site Assessment
Status Date: 1988-10-03 00:00:00

Status: Open - Case Begin Date
Status Date: 1988-08-05 00:00:00

Status: Open - Site Assessment
Status Date: 1988-08-05 00:00:00

LUST Cleanup Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)

Site Facility Name:	CREDIT WORLD AUTO SALES	***Address:***	2345 INTERNATIONAL
Site Facility Type:	LUST CLEANUP SITE	***City:***	OAKLAND
Cleanup Status:	COMPLETED - CASE CLOSED	***Zip:***	94601
Project Status:		***County:***	ALAMEDA
Potential COC:	GASOLINE	***CUF Claim:***	2255
WDR Place Type:		***CUF Priority Assig:***	B
WDR File:		***CUF Amount Paid:***	$1,411,488
WDR Order:			

File Location: ALL FILES ARE ON GEOTRACKER OR IN THE LOCAL AGENCY DATABASE
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: http://geotracker.waterboards.ca.gov/profile_report?global_id=T0600101337
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 8/11/2017
Cleanup History Link: http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0600101337&tabname=regulatoryhistory
Potential Media Of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
User Defined Beneficial Use:
DWR GW Sub Basin: Santa Clara Valley - East Bay Plain (2-009.04)
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
Post Closure Site Management: NO EXCAVATION OF CONTAMINATED SOILS WITHOUT AGENCY REVIEW AND APPROVAL
NO GROUNDWATER EXTRACTION AT ANY DEPTH WITHOUT APPROVAL
NOTIFY PRIOR TO CHANGE IN LAND USE
NOTIFY PRIOR TO SUBSURFACE WORK
Future Land Use: UNKNOWN
Cleanup Oversight Agencies: ALAMEDA COUNTY LOP (LEAD) - CASE #: RO0000327
SAN FRANCISCO BAY RWQCB (REGION 2) (LEAD) - CASE #: 01-1448
CASEWORKER: MARTIN MUSONGE
Site History:

Four USTs, two dispensers, and associated piping were removed from the site in August 1988. Site investigations have been conducted at various times between 1988 and 2006. Multiple phases of excavation and verifications sampling were conducted between December 1994 and October 1996. Installation of a dual-phase extraction system is complete and system start-up is pending.

LUST Cleanup Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)

Status: Completed - Case Closed
Date : 8/11/2017

Status: Open - Eligible for Closure
Date : 2/22/2016

Status: Open - Remediation
Date : 12/5/1994

Status: Open - Site Assessment
Date : 10/3/1988

Status: Open - Site Assessment
Date : 8/5/1988

Status: Open - Case Begin Date
Date : 8/5/1988

LUST Cleanup Sites from GeoTracker Search - Cleanup Action(as of Jan 18, 2019)

Action Type: PUMP & TREAT (P&T) GROUNDWATER
Begin Date: 3/2/2002
Phase: Water
End Date: 7/30/2002
Contaminant Mass Removed:
Description:

Action Type: FREE PRODUCT REMOVAL
Begin Date: 8/20/1997
Phase: Liquid Waste
End Date: 1/14/1998
Contaminant Mass Removed: 5 Gallons
Description:

Action Type: EXCAVATION
Begin Date: 12/1/1994
Phase: Soil
End Date: 10/31/1996
Contaminant Mass Removed:
Description:

LUST Cleanup Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)

Action Type: Other Regulatory Actions
Action Date: 8/11/2017
Received Issue Date: 8/11/2017
Action: Closure/No Further Action Letter
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101337&enforcement_id=6329737&tempt able=ENFORCEMENT

Action Type: Response Requested - Reports
Action Date: *4/21/2017
Received Issue Date: 5/9/2017
Action: Well Destruction Report
Doc Link:

Action Type: Enforcement/Orders
Action Date: 2/8/2017
Received Issue Date: 2/8/2017
Action: 13267 Requirement
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101337&enforcement_id=6311443&tempt able=ENFORCEMENT

Action Type: Other Regulatory Actions
Action Date: 12/9/2016
Received Issue Date: 12/9/2016
Action: Technical Correspondence / Assistance / Other
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101337&enforcement_id=6313381&tempt able=ENFORCEMENT

Action Type: Response Requested - Reports
Action Date: 10/17/2016
Received Issue Date:
Action: Well Destruction Report
Doc Link:

Action Type: Response Requested - Workplans
Action Date: 8/12/2016
Received Issue Date: 8/12/2016
Action: Well Destruction Workplan - Regulator Responded
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101337&doc_id=5899245

Action Type: Enforcement/Orders
Action Date: 8/11/2016
Received Issue Date: 8/11/2016
Action: 13267 Requirement
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101337&enforcement_id=6294841&temptable=ENFORCEMENT

Action Type: Notices
Action Date: 2/22/2016
Received Issue Date: 2/22/2016
Action: Notification - Public Notice of Case Closure
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101337&enforcement_id=6276446&temptable=ENFORCEMENT

Action Type: Response Requested - Other
Action Date: 12/17/2015
Received Issue Date: 12/17/2015
Action: Request for Closure - Regulator Responded
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101337&doc_id=5877021

Action Type: Response Requested - Reports
Action Date: 12/11/2015
Received Issue Date:
Action: Site Assessment Report
Doc Link:

Action Type: Response Requested - Reports
Action Date: *12/11/2015
Received Issue Date:
Action: Site Assessment Report
Doc Link:

Action Type: Enforcement/Orders
Action Date: 10/28/2015
Received Issue Date: 10/28/2015
Action: 13267 Requirement
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101337&enforcement_id=6265742&temptable=ENFORCEMENT

Action Type: Enforcement/Orders
Action Date: 7/24/2015
Received Issue Date: 7/24/2015
Action: 13267 Requirement
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101337&enforcement_id=6254184&temptable=ENFORCEMENT

Action Type: Response Requested - Workplans
Action Date: 4/6/2015
Received Issue Date: 4/6/2015
Action: Site Investigation Workplan - Regulator Responded
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101337&doc_id=5840053

Action Type: Other Regulatory Actions
Action Date: 6/30/2014
Received Issue Date: 6/30/2014
Action: File Review - Closure
Doc Link:

Action Type: Other Regulatory Actions
Action Date: 5/2/2013
Received Issue Date: 5/2/2013
Action: File Review - Closure
Doc Link:

Action Type: Response Requested - Reports
Action Date: *6/19/2012
Received Issue Date:
Action: Remedial Progress Report
Doc Link:

Action Type: Referral to Other Agency
Action Date: 5/31/2012
Received Issue Date: 5/31/2012
Action: Referral to Regional Board - #20120531
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101337&enforcement_id=6123528&temptable=ENFORCEMENT

Action Type: Response Requested - Reports
Action Date: 2/28/2012
Received Issue Date: 2/28/2012
Action: Clean Up Fund - 5-Year Review Summary
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101337&doc_id=5735282

Action Type: Other Regulatory Actions
Action Date: 12/8/2011
Received Issue Date: 12/8/2011
Action: Staff Letter - #20111208
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101337&enforcement_id=6105777&temptable=ENFORCEMENT

Action Type: Other Regulatory Actions
Action Date: 4/28/2011
Received Issue Date: 4/28/2011
Action: Staff Letter - #20110428
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101337&enforcement_id=6085232&temptable=ENFORCEMENT

Action Type: Response Requested - Reports
Action Date: 7/13/2010
Received Issue Date: 7/13/2010
Action: Clean Up Fund - 5-Year Review Summary
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101337&doc_id=6056989

Action Type: Other Regulatory Actions
Action Date: 7/23/2009
Received Issue Date: 7/23/2009
Action: Staff Letter - #20090723
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101337&enforcement_id=6025417&temptable=ENFORCEMENT

Action Type: Other Regulatory Actions
Action Date: 4/21/2009
Received Issue Date: 4/21/2009
Action: Staff Letter - #20090421
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101337&enforcement_id=6011315&temptable=ENFORCEMENT

Action Type: Response Requested - Reports
Action Date: 3/10/2009
Received Issue Date: 3/10/2009
Action: Clean Up Fund - 5-Year Review Summary
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101337&doc_id=6045752

Action Type: Other Regulatory Actions
Action Date: 7/7/2006
Received Issue Date: 7/7/2006
Action: Staff Letter - #20060707
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101337&enforcement_id=6123529&temptable=ENFORCEMENT

Action Type: Response Requested - Other
Action Date: 3/24/2006
Received Issue Date: 3/24/2006
Action: Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101337&doc_id=5737980

Action Type: Cleanup Action
Action Date: 3/2/2002

Received Issue Date:
Action: Pump & Treat (P&T) Groundwater
Doc Link:

Action Type: Cleanup Action
Action Date: 8/20/1997
Received Issue Date:
Action: Free Product Removal
Doc Link:

Action Type: Cleanup Action
Action Date: 12/1/1994
Received Issue Date:
Action: Excavation
Doc Link:

Action Type: Leak Action
Action Date: 9/25/1988
Received Issue Date:
Action: Leak Stopped
Doc Link:

Action Type: Leak Action
Action Date: 8/25/1988
Received Issue Date:
Action: Leak Discovery
Doc Link:

Action Type: Leak Action
Action Date: 8/25/1988
Received Issue Date:
Action: Leak Reported
Doc Link:

LUST Cleanup Sites from GeoTracker Search - Site Maps(as of Jan 18, 2019)

Title: GEO_BORE (RW-1)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7840957462/T0600101337.pdf
Size : 67 KB
Submitted By: GHD (AUTH_RP)
Submitted: 3/13/2006

Title: GEO_BORE (MW-1A)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2056793034/T0600101337.pdf
Size : 61 KB
Submitted By: GHD (AUTH_RP)
Submitted: 3/13/2006

Title: GEO_BORE (TMW-4A)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3824081242/T0600101337.pdf
Size : 44 KB
Submitted By: GHD (AUTH_RP)
Submitted: 3/13/2006

Title: GEO_BORE (MW-7)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2775454461/T0600101337.pdf
Size : 54 KB
Submitted By: GHD (AUTH_RP)
Submitted: 3/13/2006

Title: GEO_BORE (MW-9)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4435804069/T0600101337.pdf
Size : 64 KB
Submitted By: GHD (AUTH_RP)
Submitted: 3/13/2006

Title: GEO_BORE (MW-3A)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9252622306/T0600101337.pdf

Size : 44 KB
Submitted By: GHD (AUTH_RP)
Submitted: 3/13/2006

Title: GEO_BORE (MW-1B)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9906112492/T0600101337.pdf
Size : 47 KB
Submitted By: GHD (AUTH_RP)
Submitted: 3/13/2006

Title: GEO_BORE (MW-2A)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2950178384/T0600101337.pdf
Size : 43 KB
Submitted By: GHD (AUTH_RP)
Submitted: 3/13/2006

Title: GEO_BORE (MW-12)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5362638175/T0600101337.pdf
Size : 64 KB
Submitted By: GHD (AUTH_RP)
Submitted: 3/13/2006

Title: GEO_BORE (MW-8)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6527600944/T0600101337.pdf
Size : 55 KB
Submitted By: GHD (AUTH_RP)
Submitted: 3/13/2006

Title: GEO_BORE (MW-11)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9264981925/T0600101337.pdf
Size : 60 KB
Submitted By: GHD (AUTH_RP)
Submitted: 3/13/2006

Title: GEO_BORE (MW-10)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6169446647/T0600101337.pdf
Size : 61 KB
Submitted By: GHD (AUTH_RP)
Submitted: 3/13/2006

Title: GEO_MAP
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/1295460343/T0600101337.pdf
Size : 185 KB
Submitted By: GHD (AUTH_RP)
Submitted: 2/9/2006

Title: GEO_MAP
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/7566358268/T0600101337.pdf
Size : 142 KB
Submitted By: GHD (AUTH_RP)
Submitted: 6/16/2003

LUST Cleanup Sites from GeoTracker Search - Documents(as of Jan 18, 2019)

Document Type: Site Documents ***Size :***
Document Date: 8/11/2017 ***Submitted By:*** MARTIN Y. MUSONGE (REGULATOR)
Type: CLOSURE/NO FURTHER ACTION LETTER ***Submitted:***
Title: TRANSMITTAL OF THE CLOSURE LETTER
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101337&enforcement_id=6329737

Document Type: Site Documents ***Size :*** 468 KB
Document Date: 6/16/2017* ***Submitted By:*** GHD (AUTH_RP)
Type: WELL DESTRUCTION REPORT ***Submitted:***
Title: WELL DESTRUCTION AND SYSTEM DEMOLITION REPORT ADDENDUM
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3906701862/T0600101337.PDF

Document Type: Site Documents ***Size :*** 4,474 KB
Document Date: 5/9/2017* ***Submitted By:*** GHD (AUTH_RP)

Type: WELL DESTRUCTION REPORT **Submitted:**
Title: SYSTEM DEMOLITION AND WELL DESTRUCTION REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8310522675/T0600101337.PDF

Document Type: Site Documents **Size :** 387 KB
Document Date: 4/7/2017* **Submitted By:** GHD (AUTH_RP)
Type: CORRESPONDENCE **Submitted:**
Title: REQUEST FOR THIRD EXTENSION - REQUIREMENT FOR A TECHNICAL REPORT OF MONITORING WELL DESTRUCTION AND WASTE REMOVAL
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4800101161/T0600101337.PDF

Document Type: Site Documents **Size :**
Document Date: 2/8/2017 **Submitted By:** MARTIN Y. MUSONGE (REGULATOR)
Type: 13267 REQUIREMENT **Submitted:**
Title: APPROVAL OF TIME EXTENSION REQUEST
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101337&enforcement_id=6311443

Document Type: Site Documents **Size :** 206 KB
Document Date: 1/20/2017* **Submitted By:** GHD (AUTH_RP)
Type: CORRESPONDENCE **Submitted:**
Title: REQUEST FOR SECOND EXTENSION-REQUIREMENT FOR A TECHNICAL REPORT OF MONITORING WELL DESTRUCTION AND WASTE REMOVAL
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5047357916/T0600101337.PDF

Document Type: Site Documents **Size :**
Document Date: 12/9/2016 **Submitted By:** MARTIN Y. MUSONGE (REGULATOR)
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER **Submitted:**
Title: APPROVAL OF SECOND TIME EXTENSION REQUEST
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101337&enforcement_id=6313381

Document Type: Site Documents **Size :** 34 KB
Document Date: 9/29/2016 **Submitted By:** GHD (AUTH_RP)
Type: CORRESPONDENCE **Submitted:**
Title: REQUEST FOR EXTENSION - REQUIREMENT FOR A TECHNICAL REPORT OF MONITORING WELL DESTRUCTION AND WASTE REMOVAL
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1141031622/T0600101337.PDF

Document Type: Site Documents **Size :** 2,914 KB
Document Date: 8/12/2016 **Submitted By:** GHD (AUTH_RP)
Type: WELL DESTRUCTION WORKPLAN **Submitted:**
Title: SYSTEM DEMOLITION AND WELL DESTRUCTION WORK PLAN
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9347906708/T0600101337.PDF

Document Type: Site Documents **Size :**
Document Date: 8/11/2016 **Submitted By:** MARTIN Y. MUSONGE (REGULATOR)
Type: 13267 REQUIREMENT **Submitted:**
Title: REQUIREMENT FOR A TECHNICAL REPORT OF MONITORING WELL DESTRUCTION AND WASTE REMOVAL
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101337&enforcement_id=6294841

Document Type: Site Documents **Size :**
Document Date: 2/22/2016 **Submitted By:** MARTIN Y. MUSONGE (REGULATOR)
Type: NOTIFICATION - PUBLIC NOTICE OF CASE CLOSURE **Submitted:**
Title: NOTICE OF INTENT TO ISSUE A NO FURTHER ACTION LETTER
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101337&enforcement_id=6276446

Document Type: Site Documents **Size :** 21,608 KB
Document Date: 12/15/2015 **Submitted By:** GHD (AUTH_RP)
Type: REQUEST FOR CLOSURE **Submitted:**
Title: CASE CLOSURE REQUEST
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4533461153/T0600101337.PDF

Document Type: Site Documents **Size :**
Document Date: 10/28/2015 **Submitted By:** MARTIN Y. MUSONGE (REGULATOR)
Type: 13267 REQUIREMENT **Submitted:**
Title: APPROVE TIME EXTENSION REQUEST
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101337&enforcement_id=6265742

Document Type: Monitoring Reports **Size :** 15,975 KB
Document Date: 7/29/2015 **Submitted By:** GHD (AUTH_RP)
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Title: GROUNDWATER MONITORING REPORT - FIRST HALF 2015
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9184486150/T0600101337.PDF

Document Type: Site Documents **Size :**
Document Date: 7/24/2015 **Submitted By:** MARTIN Y. MUSONGE (REGULATOR)
Type: 13267 REQUIREMENT **Submitted:**
Title: APPROVAL OF SITE ASSESSMENT WORKPLAN AND REQUIREMENT FOR A TECHNICAL REPORT WITH RESULTS
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101337&enforcement_id=6254184

Document Type: Site Documents **Size :** 3,066 KB
Document Date: 4/3/2015 **Submitted By:** GHD (AUTH_RP)
Type: SITE INVESTIGATION WORKPLAN **Submitted:**
Title: SITE ASSESSMENT WORK PLAN
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6603248357/T0600101337.PDF

Document Type: Monitoring Reports **Size :** 8,075 KB
Document Date: 1/28/2015* **Submitted By:** GHD (AUTH_RP)
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Title: GROUNDWATER MONITORING REPORT - SECOND HALF 2014
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6190574407/T0600101337.PDF

Document Type: Monitoring Reports **Size :** 17,193 KB
Document Date: 5/2/2014 **Submitted By:** GHD (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: GROUNDWATER MONITORING AND REMEDIATION SYSTEM O&M REPORT - FIRST HALF 2014
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9270036816/T0600101337.PDF

Document Type: Monitoring Reports **Size :** 14,270 KB
Document Date: 11/19/2013 **Submitted By:** GHD (AUTH_RP)
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Title: GROUNDWATER MONITORING AND REMEDIATION SYSTEM O&M REPORT - SECOND HALF 2013
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7543694674/T0600101337.PDF

Document Type: Monitoring Reports **Size :** 17,492 KB
Document Date: 4/30/2013* **Submitted By:** GHD (AUTH_RP)
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Title: GROUNDWATER MONITORING AND REMEDIATION SYSTEM O&M REPORT - FIRST HALF 2013
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3936298429/T0600101337.PDF

Document Type: Monitoring Reports **Size :** 7,512 KB
Document Date: 10/30/2012* **Submitted By:** GHD (AUTH_RP)
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Title: GROUNDWATER MONITORING REPORT - SECOND HALF 2012
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6199207365/T0600101337.PDF

Document Type: Site Documents **Size :** 8,818 KB
Document Date: 6/29/2012* **Submitted By:** GHD (AUTH_RP)
Type: OTHER REPORT / DOCUMENT **Submitted:**
Title: DPE SYSTEM INSTALLATION AND STARTUP REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1393829286/T0600101337.PDF

Document Type: Site Documents **Size :**
Document Date: 5/31/2012 **Submitted By:** JERRY WICKHAM (REGULATOR)
Type: REFERRAL TO REGIONAL BOARD **Submitted:**
Title: REFERRAL TO REGIONAL BOARD
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101337&enforcement_id=6123528

Document Type: Monitoring Reports **Size :** 7,296 KB
Document Date: 4/26/2012 **Submitted By:** GHD (AUTH_RP)
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Title: GROUNDWATER MONITORING REPORT - FIRST HALF 2012
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7861943066/T0600101337.PDF

Document Type: Site Documents **Size :**

Document Date: 2/28/2012 **Submitted By:** PAT G. CULLEN (REGULATOR)
Type: CLEAN UP FUND - 5-YEAR REVIEW SUMMARY **Submitted:**
Title: 2255 3RD 5-YEAR REVIEW
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101337&document_id=5735282

Document Type: Site Documents **Size :**
Document Date: 12/8/2011 **Submitted By:** JERRY WICKHAM (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: DIR_L_2011-12-08
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101337&enforcement_id=6105777

Document Type: Monitoring Reports **Size :** 9,397 KB
Document Date: 10/20/2011 **Submitted By:** GHD (AUTH_RP)
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Title: GROUNDWATER MONITORING REPORT - SECOND HALF 2011
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3165278136/T0600101337.PDF

Document Type: Monitoring Reports **Size :** 8,093 KB
Document Date: 5/4/2011 **Submitted By:** GHD (AUTH_RP)
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Title: GROUNDWATER MONITORING REPORT - FIRST HALF 2011
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5552479565/T0600101337.PDF

Document Type: Site Documents **Size :**
Document Date: 4/28/2011 **Submitted By:** JERRY WICKHAM (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: CORRES_2011-04-28
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101337&enforcement_id=6085232

Document Type: Monitoring Reports **Size :** 8,126 KB
Document Date: 10/26/2010 **Submitted By:** GHD (AUTH_RP)
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Title: GROUNDWATER MONITORING REPORT - SECOND HALF 2010
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5777963221/T0600101337.PDF

Document Type: Site Documents **Size :**
Document Date: 7/13/2010 **Submitted By:** KIRK T. LARSON (REGULATOR)
Type: CLEAN UP FUND - 5-YEAR REVIEW SUMMARY **Submitted:**
Title: UNKNOWN
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101337&document_id=6056989

Document Type: Monitoring Reports **Size :** 2,202 KB
Document Date: 4/29/2010 **Submitted By:** GHD (AUTH_RP)
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Title: GROUNDWATER MONITORING REPORT - FIRST HALF 2010
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1252221524/T0600101337.PDF

Document Type: Monitoring Reports **Size :** 7,711 KB
Document Date: 10/30/2009 **Submitted By:** GHD (AUTH_RP)
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Title: GROUNDWATER MONITORING REPORT - SECOND HALF 2009
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9722738981/T0600101337.PDF

Document Type: Monitoring Reports **Size :** 4,387 KB
Document Date: 7/31/2009 **Submitted By:** GHD (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: GROUNDWATER MONITORING REPORT - SECOND QUARTER 2009
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7650717496/T0600101337.PDF

Document Type: Site Documents **Size :**
Document Date: 7/23/2009 **Submitted By:** JERRY WICKHAM (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: DIR_L_GW MON
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101337&enforcement_id=6025417

Document Type: Site Documents **Size :** 4,963 KB
Document Date: 5/18/2009 **Submitted By:** GHD (AUTH_RP)

Type: CORRESPONDENCE **Submitted:**
Title: DUAL-PHASE EXTRACTION SYSTEM DESIGN PLANS
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4978206813/T0600101337.PDF

Document Type: Monitoring Reports **Size :** 2,810 KB
Document Date: 5/8/2009 **Submitted By:** GHD (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: GROUNDWATER MONITORING REPORT - FIRST QUARTER 2009
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6591698765/T0600101337.PDF

Document Type: Site Documents **Size :**
Document Date: 4/21/2009 **Submitted By:** MYLE DANH (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: DIR_L
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101337&enforcement_id=6011315

Document Type: Site Documents **Size :**
Document Date: 3/10/2009 **Submitted By:** KIRK T. LARSON (REGULATOR)
Type: CLEAN UP FUND - 5-YEAR REVIEW SUMMARY **Submitted:**
Title: UNKNOWN
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101337&document_id=6045752

Document Type: Monitoring Reports **Size :** 2,898 KB
Document Date: 1/27/2009 **Submitted By:** GHD (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: GROUNDWATER MONITORING REPORT - FOURTH QUARTER 2008
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9777871251/T0600101337.PDF

Document Type: Monitoring Reports **Size :** 3,356 KB
Document Date: 11/14/2008 **Submitted By:** GHD (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: GROUNDWATER MONITORING REPORT - THIRD QUARTER 2008
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9807297229/T0600101337.PDF

Document Type: Monitoring Reports **Size :** 3,443 KB
Document Date: 8/8/2008 **Submitted By:** GHD (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 2Q08 GROUNDWATER MONITORING REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5694790065/T0600101337.PDF

Document Type: Monitoring Reports **Size :** 3,963 KB
Document Date: 6/9/2008 **Submitted By:** GHD (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 1Q08 GW MON RPT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3734313070/T0600101337.PDF

Document Type: Monitoring Reports **Size :** 3,328 KB
Document Date: 3/14/2008 **Submitted By:** GHD (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: GROUNDWATER MONITORING REPORT - FOURTH QUARTER 2007
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1885823130/T0600101337.PDF

Document Type: Monitoring Reports **Size :** 3,852 KB
Document Date: 12/13/2007 **Submitted By:** GHD (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: GROUNDWATER MONITORING REPORT - THIRD QUARTER 2007
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4416262567/T0600101337.PDF

Document Type: Monitoring Reports **Size :** 3,327 KB
Document Date: 8/29/2007 **Submitted By:** GHD (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: GROUNDWATER MONITORING REPORT - SECOND QUARTER 2007
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2408223032/T0600101337.PDF

Document Type: Monitoring Reports **Size :** 3,159 KB
Document Date: 5/11/2007 **Submitted By:** GHD (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 1Q2007 GW MONITORING RPT

Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7091420054/T0600101337.PDF

Document Type: Monitoring Reports **Size :** 3,089 KB
Document Date: 2/12/2007 **Submitted By:** GHD (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 4Q2006 GW MONITORING RPT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6869275748/T0600101337.PDF

Document Type: Monitoring Reports **Size :** 2,770 KB
Document Date: 11/15/2006 **Submitted By:** GHD (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 3Q06 GW MONITORING RPT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4244092643/T0600101337.PDF

Document Type: Monitoring Reports **Size :** 2,201 KB
Document Date: 8/10/2006 **Submitted By:** GHD (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: GROUNDWATER MONITORING REPORT - SECOND QUARTER 2006
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5185895621/T0600101337.PDF

Document Type: Site Documents **Size :**
Document Date: 7/7/2006 **Submitted By:** JERRY WICKHAM (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: HISTORICAL DIRECTIVE LETTERS
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101337&enforcement_id=6123529

Document Type: Site Documents **Size :** 13,331 KB
Document Date: 6/14/2006 **Submitted By:** GHD (AUTH_RP)
Type: WORKPLANS - REMEDIAL ACTION PLAN **Submitted:**
Title: FEASIBILITY STUDY AND CORRECTIVE ACTION PLAN - ATTACHMENTS
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1542143106/T0600101337.PDF

Document Type: Site Documents **Size :** 2,936 KB
Document Date: 6/14/2006 **Submitted By:** GHD (AUTH_RP)
Type: WORKPLANS - REMEDIAL ACTION PLAN **Submitted:**
Title: FEASIBILITY STUDY AND CORRECTIVE ACTION PLAN - REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8585890054/T0600101337.PDF

Document Type: Monitoring Reports **Size :** 1,877 KB
Document Date: 4/27/2006 **Submitted By:** GHD (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: GW MONITORING RPT - 1Q06
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9576169669/T0600101337.PDF

Document Type: Site Documents **Size :**
Document Date: 3/24/2006 **Submitted By:** JERRY WICKHAM (REGULATOR)
Type: CORRESPONDENCE **Submitted:**
Title: HISTORICAL CORRESPONDENCE - REGULATOR RESPONSE
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101337&document_id=5737980

Document Type: Site Documents **Size :** 6,440 KB
Document Date: 3/13/2006 **Submitted By:** GHD (AUTH_RP)
Type: REPORTS - INVESTIGATION RPT. **Submitted:**
Title: 2005 SITE ASSESSMENT RPT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3114148795/T0600101337.PDF

Document Type: Monitoring Reports **Size :** 2,005 KB
Document Date: 3/7/2006 **Submitted By:** GHD (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 4Q2005 GW MONITORING RPT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3589856803/T0600101337.PDF

Document Type: Monitoring Reports **Size :** 1,454 KB
Document Date: 12/13/2005 **Submitted By:** GHD (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: GW MONITORING RPT - 3RD QTR 2005
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3006070792/T0600101337.PDF

Document Type: Monitoring Reports **Size :** 1,354 KB

Document Date:	8/29/2005	**Submitted By:**	GHD (AUTH_RP)
Type:	MONITORING REPORT - QUARTERLY	**Submitted:**	
Title:	GROUNDWATER MONITORING REPORT - SECOND QUARTER 2005		
Title Link:	http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7270235955/T0600101337.PDF		

97	1 of 1	WNW	0.44 / 2,324.39	21.36 / -16	23RD AVENUE PARTNERS 1125 MILLER OAKLAND CA 94601	LUST

Global ID:	T0600177455	**County:**	ALAMEDA
Status:	COMPLETED - CASE CLOSED	**Latitude:**	37.7806841893582
Status Date:	2014-09-02 00:00:00	**Longitude:**	-122.236783750996
Case Type:	LUST CLEANUP SITE		
Date Source:	LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download		

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case Number:	NA	**Potential COC:**	Diesel
Local Case Number:	RO0000294	**How Discovered:**	Tank Closure
Begin Date:	1998-12-02 00:00:00	**Stop Method:**	Close and Remove Tank
Lead Agency:	ALAMEDA COUNTY LOP	**Stop Description:**	
Local Agency:		**Case Worker:**	
CUF Case:	YES	**File Location:**	All Files are on GeoTracker or in the Local Agency Database

Potential Media of Concern:	Other Groundwater (uses other than drinking water)
How Discovered Description:	
Calwater Watershed Name:	South Bay - East Bay Cities (204.20)
DWR GW Subbasin Name:	Santa Clara Valley - East Bay Plain (2-009.04)
Disadvantaged Community:	
Site History:	

Two 5,000-gallon diesel USTs and associated piping were removed from the site in December 1998. Site investigation activities were conducted at various times from October 2000 through 2012. Site assessment, cleanup, and groundwater monitoring were conducted at the site from October 2000 through March 2014. The site is under evaluation for case closure under the State Water Resources Control Board Low-Threat Underground Storage Tank Closure Policy. Based upon the information available in our files to date, no further investigation or cleanup for the fuel leak case appears to be necessary at this time. Not all historic documents for the fuel leak case may be available on GeoTracker. A more complete historic case file for this site is located on the Alameda County Environmental Health website at: http://ehgis.acgov.org/dehpublic/dehpublic.jsp.

Regulatory Activity

Action Type:	RESPONSE
Date :	2014-10-30 00:00:00
Action:	Well Destruction Report - Regulator Responded
Action Type:	ENFORCEMENT
Date :	2014-09-02 00:00:00
Action:	Closure/No Further Action Letter - #20140902
Action Type:	RESPONSE
Date :	2014-08-29 00:00:00
Action:	Request for Closure - Regulator Responded
Action Type:	ENFORCEMENT
Date :	2014-07-22 00:00:00
Action:	Staff Letter - #20140722
Action Type:	ENFORCEMENT
Date :	2014-05-20 00:00:00
Action:	Notification - Public Notice of Case Closure - #20140520
Action Type:	ENFORCEMENT
Date :	2014-05-20 00:00:00
Action:	Notification - Fee Title Owners Notice - #20140520

Action Type: ENFORCEMENT
Date : 2014-05-12 00:00:00
Action: File Review - Closure - #20140512

Action Type: RESPONSE
Date : 2014-04-23 00:00:00
Action: Request for Closure - Regulator Responded

Action Type: ENFORCEMENT
Date : 2013-10-14 00:00:00
Action: File review - #20131014

Action Type: RESPONSE
Date : 2013-09-11 00:00:00
Action: Site Assessment Report

Action Type: ENFORCEMENT
Date : 2013-06-05 00:00:00
Action: Staff Letter - #20130605

Action Type: RESPONSE
Date : 2013-05-28 00:00:00
Action: Soil and Water Investigation Workplan - Regulator Responded

Action Type: ENFORCEMENT
Date : 2013-03-26 00:00:00
Action: Staff Letter - #20130326

Action Type: RESPONSE
Date : 2013-02-21 00:00:00
Action: Soil and Water Investigation Workplan - Regulator Responded

Action Type: ENFORCEMENT
Date : 2012-12-05 00:00:00
Action: Staff Letter - #20121205

Action Type: RESPONSE
Date : 2012-08-28 00:00:00
Action: Interim Remedial Action Report

Action Type: ENFORCEMENT
Date : 2012-06-18 00:00:00
Action: Staff Letter - #20120618

Action Type: RESPONSE
Date : 2012-01-12 00:00:00
Action: Site Assessment Report

Action Type: RESPONSE
Date : 2011-03-18 00:00:00
Action: Soil and Water Investigation Workplan - Addendum

Action Type: ENFORCEMENT
Date : 2011-02-01 00:00:00
Action: Staff Letter - #20110201

Action Type: ENFORCEMENT
Date : 2011-01-19 00:00:00
Action: Staff Letter - #20110119

Action Type: RESPONSE
Date : 2011-01-18 00:00:00
Action: Other Workplan

Action Type: ENFORCEMENT
Date : 2010-08-16 00:00:00
Action: Staff Letter - #20100816

Action Type: RESPONSE

Date : 2010-07-27 00:00:00
Action: Site Assessment Report

Action Type: ENFORCEMENT
Date : 2009-10-28 00:00:00
Action: Staff Letter - #20091028

Action Type: ENFORCEMENT
Date : 2009-07-23 00:00:00
Action: Staff Letter - #20090723

Action Type: Other
Date : 1998-12-02 00:00:00
Action: Leak Stopped

Action Type: Other
Date : 1998-12-02 00:00:00
Action: Leak Discovery

Action Type: Other
Date : 1998-12-02 00:00:00
Action: Leak Reported

Action Type: REMEDIATION
Date : 1998-12-01 00:00:00
Action: Excavation

Regulatory Contacts

Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
City: OAKLAND
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
Email:
Phone Number:

Status History

Status: Completed - Case Closed
Status Date: 2014-09-02 00:00:00

Status: Open - Eligible for Closure
Status Date: 2014-05-20 00:00:00

Status: Open - Assessment & Interim Remedial Action
Status Date: 2012-10-11 00:00:00

Status: Open - Site Assessment
Status Date: 2000-10-23 00:00:00

Status: Open - Case Begin Date
Status Date: 1998-12-02 00:00:00

LUST Cleanup Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)

Site Facility Name: 23RD AVENUE PARTNERS
Site Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Project Status:
Potential COC: DIESEL
WDR Place Type:
WDR File:
WDR Order:
Address: 1125 MILLER
City: OAKLAND
Zip: 94601
County: ALAMEDA
CUF Claim: 17719
CUF Priority Assig: B
CUF Amount Paid: $392,503
File Location: ALL FILES ARE ON GEOTRACKER OR IN THE LOCAL AGENCY DATABASE
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: http://geotracker.waterboards.ca.gov/profile_report?global_id=T0600177455

Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 9/2/2014
Cleanup History Link: http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0600177455&tabname=regulatoryhistory
Potential Media Of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
User Defined Beneficial Use: GW - MUNICIPAL AND DOMESTIC SUPPLY
DWR GW Sub Basin: Santa Clara Valley - East Bay Plain (2-009.04)
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
Post Closure Site Management: DAY CARE CENTER PROHIBITED
ELDER CARE CENTER PROHIBITED
HOSPITAL USE PROHIBITED
NOTIFY PRIOR TO CHANGE IN LAND USE
NOTIFY PRIOR TO DEVELOPMENT
PERFORM H&S PLAN PRIOR TO SUBSURFACE WORK
PUBLIC OR PRIVATE SCHOOL FOR PERSONS UNDER 21 PROHIBITED
RAISING OF FOOD PROHIBITED
Future Land Use:
Cleanup Oversight Agencies: ALAMEDA COUNTY LOP (LEAD) - CASE #: RO0000294
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: NA
CASEWORKER: Regional Water Board

Site History:

Two 5,000-gallon diesel USTs and associated piping were removed from the site in December 1998. Site investigation activities were conducted at various times from October 2000 through 2012. Site assessment, cleanup, and groundwater monitoring were conducted at the site from October 2000 through March 2014. The site is under evaluation for case closure under the State Water Resources Control Board Low-Threat Underground Storage Tank Closure Policy. Based upon the information available in our files to date, no further investigation or cleanup for the fuel leak case appears to be necessary at this time.

Not all historic documents for the fuel leak case may be available on GeoTracker. A more complete historic case file for this site is located on the Alameda County Environmental Health website at: http://ehgis.acgov.org/dehpublic/dehpublic.jsp.

LUST Cleanup Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)

Status: Completed - Case Closed
Date : 9/2/2014

Status: Open - Eligible for Closure
Date : 5/20/2014

Status: Open - Assessment & Interim Remedial Action
Date : 10/11/2012

Status: Open - Site Assessment
Date : 10/23/2000

Status: Open - Case Begin Date
Date : 12/2/1998

LUST Cleanup Sites from GeoTracker Search - Cleanup Action(as of Jan 18, 2019)

Action Type: EXCAVATION
Phase: Soil
Contaminant Mass Removed:
Description:
Begin Date: 12/1/1998
End Date: 12/31/1998

LUST Cleanup Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)

Action Type: Response Requested - Reports
Action Date: 10/30/2014
Received Issue Date: 8/23/2014
Action: Well Destruction Report - Regulator Responded
Doc Link:

Action Type: Other Regulatory Actions
Action Date: 9/2/2014
Received Issue Date: 9/2/2014
Action: Closure/No Further Action Letter - #20140902

Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600177455&enforcement_id=6220004&temptable=ENFORCEMENT

Action Type: Response Requested - Other
Action Date: 8/29/2014
Received Issue Date: 8/29/2014
Action: Request for Closure - Regulator Responded
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600177455&doc_id=5815947

Action Type: Other Regulatory Actions
Action Date: 7/22/2014
Received Issue Date: 7/22/2014
Action: Staff Letter - #20140722
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600177455&enforcement_id=6213213&temptable=ENFORCEMENT

Action Type: Notices
Action Date: 5/20/2014
Received Issue Date: 5/20/2014
Action: Notification - Fee Title Owners Notice - #20140520
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600177455&enforcement_id=6203669&temptable=ENFORCEMENT

Action Type: Notices
Action Date: 5/20/2014
Received Issue Date: 5/20/2014
Action: Notification - Public Notice of Case Closure - #20140520
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600177455&enforcement_id=6203670&temptable=ENFORCEMENT

Action Type: Other Regulatory Actions
Action Date: 5/12/2014
Received Issue Date: 5/12/2014
Action: File Review - Closure - #20140512
Doc Link:

Action Type: Response Requested - Other
Action Date: 4/23/2014
Received Issue Date: 4/23/2014
Action: Request for Closure - Regulator Responded
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600177455&doc_id=5805063

Action Type: Other Regulatory Actions
Action Date: 10/14/2013
Received Issue Date: 10/14/2013
Action: File review - #20131014
Doc Link:

Action Type: Response Requested - Reports
Action Date: 9/11/2013
Received Issue Date: 9/23/2013
Action: Site Assessment Report
Doc Link:

Action Type: Other Regulatory Actions
Action Date: 6/5/2013
Received Issue Date: 6/5/2013
Action: Staff Letter - #20130605
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600177455&enforcement_id=6161559&temptable=ENFORCEMENT

Action Type: Response Requested - Workplans
Action Date: 5/28/2013
Received Issue Date: 5/29/2013
Action: Soil and Water Investigation Workplan - Regulator Responded
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600177455&doc_id=5765751

Action Type: Other Regulatory Actions
Action Date: 3/26/2013

Received Issue Date: 3/26/2013
Action: Staff Letter - #20130326
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600177455&enforcement_id=6153415&temptable=ENFORCEMENT

Action Type: Response Requested - Workplans
Action Date: 2/21/2013
Received Issue Date: 2/21/2013
Action: Soil and Water Investigation Workplan - Regulator Responded
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600177455&doc_id=5758463

Action Type: Other Regulatory Actions
Action Date: 12/5/2012
Received Issue Date: 12/5/2012
Action: Staff Letter - #20121205
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600177455&enforcement_id=6144294&temptable=ENFORCEMENT

Action Type: Response Requested - Reports
Action Date: 8/28/2012
Received Issue Date: 11/14/2012
Action: Interim Remedial Action Report
Doc Link:

Action Type: Other Regulatory Actions
Action Date: 6/18/2012
Received Issue Date: 6/18/2012
Action: Staff Letter - #20120618
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600177455&enforcement_id=6125496&temptable=ENFORCEMENT

Action Type: Response Requested - Reports
Action Date: *1/12/2012
Received Issue Date: 3/12/2012
Action: Site Assessment Report
Doc Link:

Action Type: Response Requested - Workplans
Action Date: 3/18/2011
Received Issue Date: 1/24/2011
Action: Soil and Water Investigation Workplan - Addendum
Doc Link:

Action Type: Other Regulatory Actions
Action Date: 2/1/2011
Received Issue Date: 2/1/2011
Action: Staff Letter - #20110201
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600177455&enforcement_id=6076451&temptable=ENFORCEMENT

Action Type: Other Regulatory Actions
Action Date: 1/19/2011
Received Issue Date: 1/19/2011
Action: Staff Letter - #20110119
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600177455&enforcement_id=6075024&temptable=ENFORCEMENT

Action Type: Response Requested - Workplans
Action Date: *1/18/2011
Received Issue Date: 12/17/2010
Action: Other Workplan
Doc Link:

Action Type: Other Regulatory Actions
Action Date: 8/16/2010
Received Issue Date: 8/16/2010
Action: Staff Letter - #20100816
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600177455&enforcement_id=6061290&temptable=ENFORCEMENT

Action Type: Response Requested - Reports
Action Date: *7/27/2010
Received Issue Date: 7/23/2010
Action: Site Assessment Report
Doc Link:

Action Type: Other Regulatory Actions
Action Date: 10/28/2009
Received Issue Date: 10/28/2009
Action: Staff Letter - #20091028
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600177455&enforcement_id=6034273&temptable=ENFORCEMENT

Action Type: Other Regulatory Actions
Action Date: 7/23/2009
Received Issue Date: 7/23/2009
Action: Staff Letter - #20090723
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600177455&enforcement_id=6025413&temptable=ENFORCEMENT

Action Type: Leak Action
Action Date: 12/2/1998
Received Issue Date:
Action: Leak Reported
Doc Link:

Action Type: Leak Action
Action Date: 12/2/1998
Received Issue Date:
Action: Leak Stopped
Doc Link:

Action Type: Leak Action
Action Date: 12/2/1998
Received Issue Date:
Action: Leak Discovery
Doc Link:

Action Type: Cleanup Action
Action Date: 12/1/1998
Received Issue Date:
Action: Excavation
Doc Link:

LUST Cleanup Sites from GeoTracker Search - Site Maps(as of Jan 18, 2019)

Title: GEO_MAP
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/3406518161/T0600177455.PDF
Size : 354 KB
Submitted By: CLEARWATER GROUP (AUTH_RP)
Submitted: 9/25/2013*

Title: MW-2 (MW-2)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8338692843/T0600177455.PDF
Size : 171 KB
Submitted By: CLEARWATER GROUP (AUTH_RP)
Submitted: 9/25/2013*

Title: MW-1 (MW-1)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1120502531/T0600177455.PDF
Size : 154 KB
Submitted By: CLEARWATER GROUP (AUTH_RP)
Submitted: 9/25/2013*

Title: MW-3 (MW-3)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4824029147/T0600177455.PDF
Size : 158 KB

Submitted By: CLEARWATER GROUP (AUTH_RP)
Submitted: 9/25/2013*

Title: S13 (S13)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9080915331/T0600177455.PDF
Size : 804 KB
Submitted By: CLEARWATER GROUP (AUTH_RP)
Submitted: 3/28/2012

Title: S12 (S12)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2339415788/T0600177455.PDF
Size : 839 KB
Submitted By: CLEARWATER GROUP (AUTH_RP)
Submitted: 3/28/2012

Title: GEO_MAP
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/9500416576/T0600177455.PDF
Size : 345 KB
Submitted By: CLEARWATER GROUP (AUTH_RP)
Submitted: 3/28/2012

Title: S14 (S14)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4127131164/T0600177455.PDF
Size : 866 KB
Submitted By: CLEARWATER GROUP (AUTH_RP)
Submitted: 3/28/2012

Title: GEO_MAP
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/6601178765/T0600177455.PDF
Size : 292 KB
Submitted By: CLEARWATER GROUP (AUTH_RP)
Submitted: 8/2/2011

Title: S6 (S6)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1855330705/T0600177455.PDF
Size : 793 KB
Submitted By: CLEARWATER GROUP (AUTH_RP)
Submitted: 12/21/2010

Title: S7 (S7)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7689515113/T0600177455.PDF
Size : 878 KB
Submitted By: CLEARWATER GROUP (AUTH_RP)
Submitted: 12/21/2010

Title: TW3 (TW3)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2803117156/T0600177455.PDF
Size : 28 KB
Submitted By: CLEARWATER GROUP (AUTH_RP)
Submitted: 8/4/2010

Title: D1 (D1)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5242081999/T0600177455.PDF
Size : 24 KB
Submitted By: CLEARWATER GROUP (AUTH_RP)
Submitted: 8/4/2010

Title: TW2 (TW2)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4173340797/T0600177455.PDF
Size : 29 KB
Submitted By: CLEARWATER GROUP (AUTH_RP)
Submitted: 8/4/2010

Title: GEO_BORE (S8)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4564147770/T0600177455.pdf
Size : 142 KB
Submitted By: CLEARWATER GROUP (AUTH_RP)
Submitted: 12/6/2006

Title: GEO_BORE (S5)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7286285221/T0600177455.pdf
Size : 92 KB
Submitted By: CLEARWATER GROUP (AUTH_RP)
Submitted: 12/6/2006

Title: GEO_BORE (S9)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4064466714/T0600177455.pdf
Size : 296 KB
Submitted By: CLEARWATER GROUP (AUTH_RP)
Submitted: 12/6/2006

Title: GEO_BORE (S11)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5841601312/T0600177455.pdf
Size : 293 KB
Submitted By: CLEARWATER GROUP (AUTH_RP)
Submitted: 12/6/2006

Title: GEO_BORE (S10)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7402745127/T0600177455.pdf
Size : 292 KB
Submitted By: CLEARWATER GROUP (AUTH_RP)
Submitted: 12/6/2006

Title: GEO_MAP
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/6843320548/T0600177455.pdf
Size : 119 KB
Submitted By: CLEARWATER GROUP (AUTH_RP)
Submitted: 12/8/2005

LUST Cleanup Sites from GeoTracker Search - Documents(as of Jan 18, 2019)

Document Type: Site Documents **Size :**
Document Date: 9/2/2014 **Submitted By:** JERRY WICKHAM (REGULATOR)
Type: CLOSURE/NO FURTHER ACTION LETTER **Submitted:**
Title: CLOS_L_2014-09-02
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600177455&enforcement_id=6220004

Document Type: Site Documents **Size :** 4,961 KB
Document Date: 8/8/2014 **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Type: REQUEST FOR CLOSURE **Submitted:**
Title: GROUNDWATER MONITORING WELL AND SOIL VAPOR POINT DESTRUCTION REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4804918408/T0600177455.PDF

Document Type: Site Documents **Size :**
Document Date: 7/22/2014 **Submitted By:** JERRY WICKHAM (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: DIR_L_2014-07-22
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600177455&enforcement_id=6213213

Document Type: Site Documents **Size :**
Document Date: 5/20/2014 **Submitted By:** JERRY WICKHAM (REGULATOR)
Type: NOTIFICATION - FEE TITLE OWNERS NOTICE **Submitted:**
Title: LNDOWNR_REQ_L_2014-05-20
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600177455&enforcement_id=6203669

Document Type: Site Documents **Size :**
Document Date: 5/20/2014 **Submitted By:** JERRY WICKHAM (REGULATOR)
Type: NOTIFICATION - PUBLIC NOTICE OF CASE CLOSURE **Submitted:**
Title: CL_PP_L_2014-05-20
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600177455&enforcement_id=6203670

Document Type: Site Documents **Size :**
Document Date: 4/23/2014 **Submitted By:** JERRY WICKHAM (REGULATOR)
Type: REQUEST FOR CLOSURE **Submitted:**
Title: FIRST QUARTER 2014 - GROUNDWATER MONITORING REPORT AND REQUEST FOR LTCP CLOSURE -

REGULATOR RESPONSE
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600177455&document_id=5805063

Document Type: Site Documents **Size :** 5,980 KB
Document Date: 4/10/2014 **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Type: REQUEST FOR CLOSURE **Submitted:**
Title: FIRST QUARTER 2014 - GROUNDWATER MONITORING REPORT AND REQUEST FOR LTCP CLOSURE
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7972532153/T0600177455.PDF

Document Type: Monitoring Reports **Size :** 5,252 KB
Document Date: 1/22/2014* **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: GROUNDWATER MONITORING REPORT - 4Q13
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3258933365/T0600177455.PDF

Document Type: Monitoring Reports **Size :** 5,393 KB
Document Date: 9/27/2013* **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: GROUNDWATER MONITORING REPORT - 3Q13
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6487359225/T0600177455.PDF

Document Type: Site Documents **Size :** 9,034 KB
Document Date: 9/25/2013* **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Type: WELL INSTALLATION REPORT **Submitted:**
Title: 2013 WELL INSTALLATION, DISPENSER EXCAVATION COMPLETION, AND SITE ASSESSMENT REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4064027905/T0600177455.PDF

Document Type: Site Documents **Size :** 3,878 KB
Document Date: 8/29/2013* **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Type: SOIL VAPOR INTRUSION INVESTIGATION REPORT **Submitted:**
Title: EVALUATION OF SUB-SLAB SOIL VAPOR
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7699098110/T0600177455.PDF

Document Type: Monitoring Reports **Size :** 5,373 KB
Document Date: 7/31/2013* **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: GROUNDWATER MONITORING REPORT - 2Q13
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3576203823/T0600177455.PDF

Document Type: Site Documents **Size :**
Document Date: 6/5/2013 **Submitted By:** JERRY WICKHAM (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: DIR_L_2013-06-05
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600177455&enforcement_id=6161559

Document Type: Site Documents **Size :**
Document Date: 5/29/2013 **Submitted By:** JERRY WICKHAM (REGULATOR)
Type: SOIL AND WATER INVESTIGATION WORKPLAN **Submitted:**
Title: WORK PLAN - REGULATOR RESPONSE
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600177455&document_id=5765751

Document Type: Site Documents **Size :** 7,010 KB
Document Date: 5/23/2013 **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Type: SOIL AND WATER INVESTIGATION WORKPLAN **Submitted:**
Title: WORKPLAN FOR GROUNDWATER INVESTIGATION MONITORING WELL INSTALLATION, VAPOR POINT DESTRUCTION, AND EXCAVATION CLOSURE
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5759754240/T0600177455.PDF

Document Type: Site Documents **Size :**
Document Date: 3/26/2013 **Submitted By:** JERRY WICKHAM (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: DIR_L_2013-03-26
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600177455&enforcement_id=6153415

Document Type: Site Documents **Size :**
Document Date: 2/21/2013 **Submitted By:** JERRY WICKHAM (REGULATOR)

Type: SOIL AND WATER INVESTIGATION WORKPLAN **Submitted:**
Title: WORK PLAN - REGULATOR RESPONSE
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600177455&document_id=5758463

Document Type: Site Documents **Size :** 4,799 KB
Document Date: 2/21/2013* **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Type: SENSITIVE RECEPTOR SURVEY REPORT **Submitted:**
Title: 2,000-FOOT-RADIUS WELL SEARCH REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8804513156/T0600177455.PDF

Document Type: Site Documents **Size :**
Document Date: 12/5/2012 **Submitted By:** JERRY WICKHAM (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: DIR_L_2012-12-05
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600177455&enforcement_id=6144294

Document Type: Site Documents **Size :** 5,901 KB
Document Date: 11/13/2012 **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Type: REMOVAL ACTION COMPLETE **Submitted:**
Title: SUB-SLAB EXCAVATION REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6082477629/T0600177455.PDF

Document Type: Site Documents **Size :** 829 KB
Document Date: 10/9/2012* **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Type: SITE INVESTIGATION **Submitted:**
Title: UPDATE OF THE SOIL VAPOR SAMPLE ANALYTICAL RESULTS PRESENTED IN THE SUB-SLAB SOIL VAPOR SAMPLING REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4659977734/T0600177455.PDF

Document Type: Site Documents **Size :**
Document Date: 6/18/2012 **Submitted By:** JERRY WICKHAM (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: DIR_L_2012-06-18
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600177455&enforcement_id=6125496

Document Type: Site Documents **Size :** 8,712 KB
Document Date: 2/29/2012 **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Type: SITE INVESTIGATION **Submitted:**
Title: SUB-SLAB SOIL VAPOR SAMPLING REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6915695130/T0600177455.PDF

Document Type: Site Documents **Size :** 9,561 KB
Document Date: 2/29/2012 **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Type: SOIL AND WATER INVESTIGATION REPORT **Submitted:**
Title: SOIL AND GROUNDWATER INVESTIGATION RESULTS
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6746884942/T0600177455.PDF

Document Type: Site Documents **Size :**
Document Date: 2/1/2011 **Submitted By:** JERRY WICKHAM (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: DIR_L_2011-02-01
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600177455&enforcement_id=6076451

Document Type: Site Documents **Size :** 3,995 KB
Document Date: 1/24/2011 **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Type: SOIL AND WATER INVESTIGATION WORKPLAN **Submitted:**
Title: REVISED WORKPLAN
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8384858489/T0600177455.PDF

Document Type: Site Documents **Size :**
Document Date: 1/19/2011 **Submitted By:** JERRY WICKHAM (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: DIR_L_2011-01-19
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600177455&enforcement_id=6075024

Document Type: Site Documents **Size :** 3,964 KB

Document Date: 12/17/2010 **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Type: SITE INVESTIGATION WORKPLAN **Submitted:**
Title: SITE CHARACTERIZATION WORKPLAN
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9056008875/T0600177455.PDF

Document Type: Site Documents **Size :** 5,113 KB
Document Date: 12/10/2010 **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Type: SITE INVESTIGATION **Submitted:**
Title: RESULTS OF ADDITIONAL SUB-SLAB SOIL VAPOR INVESTIGATION
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1795350074/T0600177455.PDF

Document Type: Site Documents **Size :** 5,468 KB
Document Date: 12/1/2010 **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Type: OTHER REPORT / DOCUMENT **Submitted:**
Title: HISTORICAL PROPERTY USES
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8303788185/T0600177455.PDF

Document Type: Site Documents **Size :**
Document Date: 8/16/2010 **Submitted By:** JERRY WICKHAM (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: DIR_L_2010-08-16
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600177455&enforcement_id=6061290

Document Type: Site Documents **Size :** 4,057 KB
Document Date: 7/23/2010 **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Type: SITE INVESTIGATION **Submitted:**
Title: RESULTS OF SUB-SLAB SOIL VAPOR INVESTIGATION REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6508118987/T0600177455.PDF

Document Type: Site Documents **Size :**
Document Date: 10/28/2009 **Submitted By:** MYLE DANH (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: DIR_L_2009-10-28
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600177455&enforcement_id=6034273

Document Type: Site Documents **Size :**
Document Date: 7/23/2009 **Submitted By:** JERRY WICKHAM (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: DIR_L_GW MON
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600177455&enforcement_id=6025413

Document Type: Site Documents **Size :** 2,695 KB
Document Date: 9/9/2008 **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Type: OTHER WORKPLAN **Submitted:**
Title: WORK PLAN FOR SUB-SLAB VAPOR SAMPLING
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4338835775/T0600177455.PDF

Document Type: Site Documents **Size :** 7,747 KB
Document Date: 1/15/2007 **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Type: REPORTS - INVESTIGATION RPT. **Submitted:**
Title: SOIL VAPOR AND SOIL BORING SAMPLING RESULTS
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8852953851/T0600177455.PDF

Document Type: Site Documents **Size :** 7,747 KB
Document Date: 1/12/2007 **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Type: REPORTS - INVESTIGATION RPT. **Submitted:**
Title: RESULTS OF SOIL VAPOR AND SOIL BORING SAMPLING INVESTIGATION
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2546664178/T0600177455.PDF

Document Type: Site Documents **Size :** 7,747 KB
Document Date: 1/12/2007 **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Type: REPORTS - INVESTIGATION RPT. **Submitted:**
Title: RESULTS OF SOIL VAPOR AND SOIL BORING SAMPLING INVESTIGATION
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5798521280/T0600177455.PDF

Document Type: Site Documents **Size :** 4,567 KB
Document Date: 7/18/2006 **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Type: WORKPLANS - INVESTIGATION WP **Submitted:**
Title: RESPONSE TO AGENCY COMMENTS ADDENDUM

Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8021879434/T0600177455.PDF

Document Type: Site Documents **Size :** 2,340 KB
Document Date: 6/1/2006 **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Type: WORKPLANS - INVESTIGATION WP **Submitted:**
Title: RESPONSE TO AGENCY COMMENTS
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8844146549/T0600177455.PDF

Document Type: Site Documents **Size :** 5,351 KB
Document Date: 2/28/2006 **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Type: REPORTS - INVESTIGATION RPT. **Submitted:**
Title: SUBSURFACE INVESTIGATION REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1505828678/T0600177455.PDF

Document Type: Site Documents **Size :** 5,250 KB
Document Date: 12/8/2005 **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Type: WORKPLANS - INVESTIGATION WP **Submitted:**
Title: RRC & WORKPLAN ADDENDUM
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8862548649/T0600177455.PDF

Document Type: Site Documents **Size :** 434 KB
Document Date: 1/26/2004 **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Type: WELL INSTALLATION WORKPLAN **Submitted:**
Title: WORK PLAN: GROUND WATER MONITORING WELL INSTALLATION
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8184518396/T0600177455.PDF

Document Type: Site Documents **Size :** 8,107 KB
Document Date: 10/3/2002 **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Type: REQUEST FOR CLOSURE **Submitted:**
Title: SITE CLOSURE REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8526124000/T0600177455.PDF

Document Type: Site Documents **Size :** 56 KB
Document Date: 3/21/2002 **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Type: OTHER WORKPLAN **Submitted:**
Title: SITE CLOSURE WORKPLAN
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8826050758/T0600177455.PDF

Document Type: Site Documents **Size :** 880 KB
Document Date: 12/31/2001 **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Type: SITE INVESTIGATION **Submitted:**
Title: SUBSURFACE EXPLORATION
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2423768043/T0600177455.PDF

Document Type: Site Documents **Size :** 244 KB
Document Date: 2/18/2000 **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Type: SITE INVESTIGATION WORKPLAN **Submitted:**
Title: WORK PLAN: SUBSURFACE EXPLORATION
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2867475152/T0600177455.PDF

Document Type: Site Documents **Size :** 713 KB
Document Date: 4/21/1999 **Submitted By:** CLEARWATER GROUP (AUTH_RP)
Type: TANK REMOVAL REPORT / UST SAMPLING REPORT **Submitted:**
Title: UST EXCAVATION
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6295209527/T0600177455.PDF

98	1 of 1	SSW	0.45 / 2,358.17	13.95 / -24	FORMER OAKLAND METAL TREATING 400 DERBY AVE OAKLAND CA 94601	ENVIROSTOR

Estor/EPA ID: 60001833 **Permit Renewal Lead:**
Site Code: **Project Manager:**
Nat Priority List: NO **Supervisor:** KAREN TOTH
Acres: 0.68 ACRES **Public Partici Spclst:**
Special Program: **Census Tract:** 6001406100
Funding: NOT APPLICABLE **County:** ALAMEDA

Assembly District:	14	**Latitude:**	37.771404
Senate District:	09	**Longitude:**	-122.232076
School District:			

APN: NONE SPECIFIED
Cleanup Status: NO FURTHER ACTION AS OF 11/8/2012
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY
Site Type: EVALUATION
Office: CLEANUP BERKELEY
Past Use that Caused Contam: ABOVE GROUND STORAGE TANKS, MANUFACTURING - METAL, UNDERGROUND STORAGE TANKS
Potential Media Affected: OTHER GROUNDWATER AFFECTED (USES OTHER THAN DRINKING WATER), SOIL
Potential Contamin of Concern:

TPH-MOTOR OIL, TPH-DIESEL, TPH-GAS

Site History:

The site is located in a commercial/industrial area one block east of the Oakland Estuary. 400 Derby Ave., was first known to be occupied by a foundry prior to the 1930's. In the 1950's the site was occupied by Oakland Metal Treating Company, Inc. The site was used for metal processing and did not include any known plating operations. Oakland Metal Treating operated at the property until it was purchased by the current developer who renovated the property into the current work-live units. The site underwent Phase 1 and 2 Environmental Investigations beginning in 2000 and undertook a tank and soil remediation in 2002 approved by Oaqkland Fire Department/ Office of Emergency Services.

Status: NO FURTHER ACTION
Program Type: EVALUATION
CalEnviroScreen Score: 86-90%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=60001833

Completed Activities

Title: Phase II Subsurface Investigation, AEI Consultants, 2002
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001833&doc_id=60311823
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Characterization Report
Date Completed: 9/9/2002
Comments: Final Phase II confirmation samples for TPH met action levels. No DTSC oversight.

Title: Phase 1 Environmental Site Assessment 400-450 Derby Avenue, Oakland, CA 94574
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001833&doc_id=60311802
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Phase 1
Date Completed: 9/23/2000
Comments: Phase 1 completed, additional sampling recommended. NO DTSc oversight.

Title: Phase II Subsurface Investigation, AEI Consultants, 2001
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001833&doc_id=60311816
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Characterization Report
Date Completed: 3/27/2001
Comments: Further characterization required for TPH results.

Title: Final Closure Report for Underground Storage Tank Removal, WA Craig, 1998
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001833&doc_id=60311812
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Other Report
Date Completed: 6/19/1998

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Comments: UST's were removed. Confirmation samples were taken by REA, for TPH. Results indicated contaminated materials were removed. No DTSC oversight.

Title: Phase II Workplan for Additional Work, AEI 2/19/2002
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001833&doc_id=60311814
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Characterization Workplan
Date Completed: 9/26/2002
Comments: Workplan is to remove contaminated soils found in the Phase 1 and take confirmation samples. TPH is the constituent of concern. No DTSC oversight.

Title: Site Screening 400 Derby Street, Oakland, CA 94509
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001833&doc_id=60311799
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Screening
Date Completed: 11/8/2012
Comments:

99	1 of 1	SSW	0.45 / 2,367.52	13.49 / -24	T. Gary Rogers Rowing Center 2999 GLASCOCK ST OAKLAND CA 94601	DELISTED HAZ

Siteid: 73612
Latitude: 37.771370
Longitude: -122.232285
Original Source: CHAZ
Record Date: 14-MAR-2017

100	1 of 1	WSW	0.45 / 2,380.81	13.18 / -25	RIGHT AWAY REDI MIX INC 401 KENNEDY ST Oakland CA 94606	ALAMEDA LOP

Record ID: RO0000870
Alt Record ID: SD0000870
Program: LUST
Release Type: UST
Site Contact: PEACOCK, THOMAS
RP Identification Date: 7/20/1992 12:00:00 AM
GIS Latitude: 37.7742388924
GIS Longitude: -122.2373635268
Data Source: Local Oversight Program Detailed Inventory; Local Oversight Program Inventory

--Details--
Program Element: 5602
Status: 9
Status Desc: Case closed
Substance: 12034
Org Name: ALAMEDA COUNTY LOP
Description 1: Case Closed
Description 2: Not Applicable
Description 3: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 9
Status Desc: Case closed
Substance: 12034

Org Name: RIGHT AWAY READY MIX
Description 1: Case Closed
Description 2: Property/Fee Title Owner
Description 3: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

---

101	1 of 1	SW	0.45 / 2,395.31	11.81 / -26	RIGHT AWAY READY MIX INC 435 23RD AVE OAKLAND CA 94606	LUST

Global ID: T0600101141
Status: COMPLETED - CASE CLOSED
Status Date: 1990-09-05 00:00:00
Case Type: LUST CLEANUP SITE
Date Source: LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download
County: ALAMEDA
Latitude: 37.7732441
Longitude: -122.235936

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case Number: 01-1242
Local Case Number: 01-1242
Begin Date: 1989-04-24 00:00:00
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Local Agency:
CUF Case: NO
Potential Media of Concern: Soil
How Discovered Description:
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
DWR GW Subbasin Name: Santa Clara Valley - East Bay Plain (2-009.04)
Disadvantaged Community:
Site History:
Potential COC: Diesel
How Discovered: Tank Closure
Stop Method:
Stop Description:
Case Worker: UUU
File Location:

Regulatory Activity

Action Type: Other
Date : 1989-04-24 00:00:00
Action: Leak Reported

Action Type: Other
Date : 1989-04-24 00:00:00
Action: Leak Discovery

Action Type: Other
Date : 1989-04-24 00:00:00
Action: Leak Stopped

Regulatory Contacts

Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
City: OAKLAND
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
Email:
Phone Number:

Status History

Status: Completed - Case Closed
Status Date: 1990-09-05 00:00:00

Status: Open - Case Begin Date
Status Date: 1989-04-24 00:00:00

LUST Cleanup Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)

Site Facility Name:	RIGHT AWAY READY MIX INC	***Address:***	435 23RD AVE
Site Facility Type:	LUST CLEANUP SITE	***City:***	OAKLAND
Cleanup Status:	COMPLETED - CASE CLOSED	***Zip:***	94606
Project Status:		***County:***	ALAMEDA
Potential COC:	DIESEL	***CUF Claim:***	
WDR Place Type:		***CUF Priority Assig:***	
WDR File:		***CUF Amount Paid:***	
WDR Order:			
File Location:			

Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: http://geotracker.waterboards.ca.gov/profile_report?global_id=T0600101141
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 9/5/1990
Cleanup History Link: http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0600101141&tabname=regulatoryhistory
Potential Media Of Concern: SOIL
User Defined Beneficial Use: NONE SPECIFIED
DWR GW Sub Basin: Santa Clara Valley - East Bay Plain (2-009.04)
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: SAN FRANCISCO BAY RWQCB (REGION 2) (LEAD) - CASE #: 01-1242
CASEWORKER: Regional Water Board
ALAMEDA COUNTY LOP - CASE #: 01-1242
Site History:

No site history available

LUST Cleanup Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)

Status: Completed - Case Closed
Date : 9/5/1990

Status: Open - Case Begin Date
Date : 4/24/1989

LUST Cleanup Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)

Action Type: Leak Action
Action Date: 4/24/1989
Received Issue Date:
Action: Leak Reported
Doc Link:

Action Type: Leak Action
Action Date: 4/24/1989
Received Issue Date:
Action: Leak Discovery
Doc Link:

Action Type: Leak Action
Action Date: 4/24/1989
Received Issue Date:
Action: Leak Stopped
Doc Link:

102	*1 of 1*	*SSW*	*0.45 / 2,398.03*	*13.22 / -25*	***GLASCOCK AVE WAREHOUSE*** ***2901 GLASCOCK AVE*** ***OAKLAND CA 94601***	***LUST***

Global ID:	T0600101809	***County:***	ALAMEDA
Status:	COMPLETED - CASE CLOSED	***Latitude:***	37.771844

Status Date: 2009-07-13 00:00:00 **Longitude:** -122.233748
Case Type: LUST CLEANUP SITE
Date Source: LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case Number: 01-1956 **Potential COC:** Diesel
Local Case Number: **How Discovered:** Tank Closure
Begin Date: 1993-02-23 00:00:00 **Stop Method:**
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2) **Stop Description:**
Local Agency: **Case Worker:** UUU
CUF Case: NO **File Location:**
Potential Media of Concern: Other Groundwater (uses other than drinking water), Soil, Surface water
How Discovered Description:
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
DWR GW Subbasin Name: Santa Clara Valley - East Bay Plain (2-009.04)
Disadvantaged Community:
Site History:

Regulatory Activity

Action Type: ENFORCEMENT
Date : 2009-07-13 00:00:00
Action: Closure/No Further Action Letter

Action Type: ENFORCEMENT
Date : 2004-06-16 00:00:00
Action: Clean-up and Abatement Order

Action Type: Other
Date : 1998-10-02 00:00:00
Action: Leak Reported

Action Type: Other
Date : 1993-02-23 00:00:00
Action: Leak Discovery

Action Type: Other
Date : 1993-02-23 00:00:00
Action: Leak Stopped

Regulatory Contacts

Contact Type: Regional Board Caseworker **Address:** 1515 CLAY ST SUITE 1400
Contact Name: Regional Water Board **Email:**
City: OAKLAND **Phone Number:**
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)

Status History

Status: Completed - Case Closed
Status Date: 2009-07-13 00:00:00

Status: Open - Verification Monitoring
Status Date: 2004-03-01 00:00:00

Status: Open - Site Assessment
Status Date: 1994-08-05 00:00:00

Status: Open - Case Begin Date
Status Date: 1993-02-23 00:00:00

Status: Open - Site Assessment
Status Date: 1965-01-02 00:00:00

LUST Cleanup Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)

Site Facility Name: GLASCOCK AVE WAREHOUSE
Site Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Project Status:
Potential COC: DIESEL
WDR Place Type:
WDR File:
WDR Order:
File Location:
Address: 2901 GLASCOCK AVE
City: OAKLAND
Zip: 94601
County: ALAMEDA
CUF Claim:
CUF Priority Assig:
CUF Amount Paid:
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: http://geotracker.waterboards.ca.gov/profile_report?global_id=T0600101809
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 7/13/2009
Cleanup History Link: http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0600101809&tabname=regulatoryhistory
Potential Media Of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER), SOIL, SURFACE WATER
User Defined Beneficial Use:
DWR GW Sub Basin: Santa Clara Valley - East Bay Plain (2-009.04)
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: SAN FRANCISCO BAY RWQCB (REGION 2) (LEAD) - CASE #: 01-1956
CASEWORKER: Regional Water Board
Site History:

No site history available

LUST Cleanup Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)

Status: Completed - Case Closed
Date : 7/13/2009

Status: Open - Verification Monitoring
Date : 3/1/2004

Status: Open - Site Assessment
Date : 8/5/1994

Status: Open - Case Begin Date
Date : 2/23/1993

Status: Open - Site Assessment
Date : 1/2/1965

LUST Cleanup Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)

Action Type: Other Regulatory Actions
Action Date: 7/13/2009
Received Issue Date: 7/13/2009
Action: Closure/No Further Action Letter
Doc Link:

Action Type: Enforcement/Orders
Action Date: 6/16/2004
Received Issue Date: 6/16/2004
Action: Clean-up and Abatement Order
Doc Link:

Action Type: Leak Action
Action Date: 10/2/1998
Received Issue Date:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Action: Leak Reported
Doc Link:

Action Type: Leak Action
Action Date: 2/23/1993
Received Issue Date:
Action: Leak Discovery
Doc Link:

Action Type: Leak Action
Action Date: 2/23/1993
Received Issue Date:
Action: Leak Stopped
Doc Link:

103	1 of 1	SW	0.46 / 2,415.31	11.89 / -26	CHEVRON #20-6142 / RMC LONESTAR 333 23RD AVE OAKLAND CA 94606	ALAMEDA LOP

Record ID: RO0002493
Alt Record ID: SD0002493
Program: SLIC
Release Type: OTH
Site Contact: CHAN, BARNEY
RP Identification Date: 5/17/1996 12:00:00 AM
GIS Latitude: 37.773720486
GIS Longitude: -122.2361353181
Data Source: Local Oversight Program Detailed Inventory; Local Oversight Program Inventory

--Details--
Program Element: 5502
Status: 9
Status Desc: Case closed
Substance: 12034
Org Name: CHEVRON CORPORATION
Description 1: Case Closed
Description 2: Business Owner
Description 3: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Other type of release

Program Element: 5502
Status: 9
Status Desc: Case closed
Substance: 12034
Org Name: BOB COCHRAN
Description 1: Case Closed
Description 2: Unknown
Description 3: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Other type of release

Program Element: 5502
Status: 9
Status Desc: Case closed
Substance: 12034
Org Name: ALAMEDA COUNTY LOP
Description 1: Case Closed
Description 2: Not Applicable
Description 3: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Other type of release

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
104	1 of 1	ESE	0.47 / 2,457.99	41.17 / 3	TONY'S EXPRESS AUTO SERVICE 3609 INTERNATIONAL OAKLAND CA 94601	LUST

Global ID:	T0600101680	**County:**	ALAMEDA
Status:	COMPLETED - CASE CLOSED	**Latitude:**	37.7752942305776
Status Date:	2011-01-18 00:00:00	**Longitude:**	-122.221741676331
Case Type:	LUST CLEANUP SITE		
Date Source:	LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download		

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case Number:	01-1812	**Potential COC:**	Gasoline
Local Case Number:	RO0000265	**How Discovered:**	Tank Closure
Begin Date:	1993-07-01 00:00:00	**Stop Method:**	Close and Remove Tank
Lead Agency:	ALAMEDA COUNTY LOP	**Stop Description:**	
Local Agency:		**Case Worker:**	
CUF Case:	YES	**File Location:**	All Files are on GeoTracker or in the Local Agency Database

Potential Media of Concern:	Other Groundwater (uses other than drinking water)
How Discovered Description:	
Calwater Watershed Name:	South Bay - East Bay Cities (204.20)
DWR GW Subbasin Name:	Santa Clara Valley - East Bay Plain (2-009.04)
Disadvantaged Community:	
Site History:	

1992: An initial environmental investigation was conducted to determine whether soil near the product lines and USTs had been impacted by petroleum hydrocarbons. July 1993: One single-walled 10,000-gallon gasoline UST, one single-walled 6,000-gallon gasoline UST, and one 550-gallon waste oil UST, were removed and replaced them with the three double-walled USTs currently beneath the Site: one 10,000-gallon gasoline UST, and two 6,000-gallon gasoline USTs. December 1997: Additional investigations and quarterly groundwater monitoring were conducted. April 1999: Groundwater monitoring, riskbased corrective action (RBCA) and corrective action plan (CAP) studies, and soil and groundwater remediation were conducted. RBCA study categorized the site as a high-risk groundwater site, thereby warranting soil and groundwater remediation on and off-site. August 1999: A French drain and groundwater treatment system was installed to prevent further migration of chemically impacted groundwater. This treatment system has been in operation since early December 1999. July 2000: A vapor extraction system was installed. January 2002: Product dispensers were removed and replaced. July 25, 2003: An additional on-site extraction pump was installed n the western French drain riser to create a capture zone around the USTs and contain off-site migration in the southwestern corner of the site. November 17 to 23, 2005: Air sparge and vapor extraction wells were installed. February 22 to March 6, 2006: An air sparge system was installed. February 5, 2007: An extraction well, EX-1, was installed in the vicinity of the UST cavity due to the continued significant contaminant source within this region. The well diameter is 4 inches with an approximate depth of 20 feet. December 2007 to October 2008: Following a pilot test in December 2007, six monthly multi-phase extraction (MPE) events were conducted from March through October 2008. November 2008: Soil vapor sampling was conducted at the site on November 14, 2008.

Regulatory Activity

Action Type:	RESPONSE
Date :	2011-01-21 00:00:00
Action:	Well Destruction Report

Action Type:	ENFORCEMENT
Date :	2011-01-18 00:00:00
Action:	Closure/No Further Action Letter - #20110118

Action Type:	ENFORCEMENT
Date :	2010-10-05 00:00:00
Action:	Staff Letter - #20101005

Action Type:	ENFORCEMENT
Date :	2010-08-03 00:00:00
Action:	Notification - Public Notice of Case Closure - #20100803

Action Type:	ENFORCEMENT
Date :	2010-07-30 00:00:00
Action:	Notification - Fee Title Owners Notice - #20100730

Action Type: RESPONSE
Date : 2010-07-30 00:00:00
Action: Site Assessment Report

Action Type: ENFORCEMENT
Date : 2010-06-07 00:00:00
Action: File Review - Closure - #20100607

Action Type: ENFORCEMENT
Date : 2010-04-01 00:00:00
Action: Staff Letter - #20100401

Action Type: ENFORCEMENT
Date : 2010-01-26 00:00:00
Action: Staff Letter - #20100126

Action Type: RESPONSE
Date : 2009-11-06 00:00:00
Action: Interim Remedial Action Report

Action Type: ENFORCEMENT
Date : 2009-07-23 00:00:00
Action: Staff Letter - #20090723

Action Type: ENFORCEMENT
Date : 2009-07-15 00:00:00
Action: Staff Letter - #20090715

Action Type: ENFORCEMENT
Date : 2009-01-14 00:00:00
Action: Staff Letter - #20090114

Action Type: ENFORCEMENT
Date : 2008-10-07 00:00:00
Action: Staff Letter - #20081007

Action Type: ENFORCEMENT
Date : 2008-08-26 00:00:00
Action: Staff Letter - #20080826

Action Type: RESPONSE
Date : 2008-08-15 00:00:00
Action: Remedial Progress Report

Action Type: ENFORCEMENT
Date : 2008-03-05 00:00:00
Action: * NEL - #200080305

Action Type: REMEDIATION
Date : 2007-12-03 00:00:00
Action: In Situ Physical/Chemical Treatment (other than SVE)

Action Type: REMEDIATION
Date : 2000-07-24 00:00:00
Action: Soil Vapor Extraction (SVE)

Action Type: REMEDIATION
Date : 1999-10-14 00:00:00
Action: Pump & Treat (P&T) Groundwater

Action Type: Other
Date : 1993-07-01 00:00:00
Action: Leak Reported

Action Type: Other
Date : 1993-07-01 00:00:00
Action: Leak Discovery

Action Type: Other

Date : 1993-07-01 00:00:00
Action: Leak Stopped

Regulatory Contacts

Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
City: OAKLAND
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
Email:
Phone Number:

Status History

Status: Completed - Case Closed
Status Date: 2011-01-18 00:00:00

Status: Open - Remediation
Status Date: 1999-10-14 00:00:00

Status: Open - Site Assessment
Status Date: 1993-08-05 00:00:00

Status: Open - Site Assessment
Status Date: 1993-07-27 00:00:00

Status: Open - Case Begin Date
Status Date: 1993-07-01 00:00:00

LUST Cleanup Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)

Site Facility Name: TONY'S EXPRESS AUTO SERVICE
Site Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Project Status:
Potential COC: GASOLINE
WDR Place Type:
WDR File:
WDR Order:
Address: 3609 INTERNATIONAL
City: OAKLAND
Zip: 94601
County: ALAMEDA
CUF Claim: 7912
CUF Priority Assig: B
CUF Amount Paid: $1,488,165
File Location: ALL FILES ARE ON GEOTRACKER OR IN THE LOCAL AGENCY DATABASE
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: http://geotracker.waterboards.ca.gov/profile_report?global_id=T0600101680
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 1/18/2011
Cleanup History Link: http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0600101680&tabname=regulatoryhistory
Potential Media Of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
User Defined Beneficial Use:
DWR GW Sub Basin: Santa Clara Valley - East Bay Plain (2-009.04)
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
Post Closure Site Management: DAY CARE CENTER PROHIBITED
ELDER CARE CENTER PROHIBITED
HOSPITAL USE PROHIBITED
NO GROUNDWATER EXTRACTION AT ANY DEPTH WITHOUT APPROVAL
NOTIFY PRIOR TO CHANGE IN LAND USE
PERFORM H&S PLAN PRIOR TO SUBSURFACE WORK
PUBLIC OR PRIVATE SCHOOL FOR PERSONS UNDER 21 PROHIBITED
RAISING OF FOOD PROHIBITED
RESIDENCE USE PROHIBITED
Future Land Use:
Cleanup Oversight Agencies: ALAMEDA COUNTY LOP (LEAD) - CASE #: RO0000265
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 01-1812
CASEWORKER: Regional Water Board
Site History:

1992: An initial environmental investigation was conducted to determine whether soil near the product lines and USTs had been impacted by petroleum hydrocarbons.

July 1993: One single-walled 10,000-gallon gasoline UST, one single-walled 6,000-gallon gasoline UST, and one 550-gallon waste oil UST, were

removed and replaced them with the three double-walled USTs currently beneath the Site: one 10,000-gallon gasoline UST, and two 6,000-gallon gasoline
USTs.

December 1997: Additional investigations and quarterly groundwater monitoring were conducted.

April 1999: Groundwater monitoring, riskbased corrective action (RBCA) and corrective action plan (CAP) studies, and soil and groundwater remediation were conducted. RBCA study categorized the site as a high-risk groundwater site, thereby warranting soil and groundwater remediation on and off-site.

August 1999: A French drain and groundwater treatment system was installed to prevent further migration of chemically impacted groundwater. This treatment
system has been in operation since early December 1999.

July 2000: A vapor extraction system was installed.

January 2002: Product dispensers were removed and replaced.

July 25, 2003: An additional on-site extraction pump was installed n the western French drain riser to create a capture zone around the USTs and contain off-site migration in the southwestern corner of the site.

November 17 to 23, 2005: Air sparge and vapor extraction wells were installed.

February 22 to March 6, 2006: An air sparge system was installed.

February 5, 2007: An extraction well, EX-1, was installed in the vicinity of the UST cavity due to the continued significant contaminant source within this region.
The well diameter is 4 inches with an approximate depth of 20 feet.

December 2007 to October 2008: Following a pilot test in December 2007, six monthly multi-phase extraction (MPE) events were conducted from March through October 2008.

November 2008: Soil vapor sampling was conducted at the site on November 14, 2008.

LUST Cleanup Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)

Status: Completed - Case Closed
Date : 1/18/2011

Status: Open - Remediation
Date : 10/14/1999

Status: Open - Site Assessment
Date : 8/5/1993

Status: Open - Site Assessment
Date : 7/27/1993

Status: Open - Case Begin Date
Date : 7/1/1993

LUST Cleanup Sites from GeoTracker Search - Cleanup Action(as of Jan 18, 2019)

Action Type: IN SITU PHYSICAL/CHEMICAL TREATMENT (OTHER THAN SVE) ***Begin Date:*** 12/3/2007
Phase: Water ***End Date:*** 10/30/2008
Contaminant Mass Removed: 817 Pounds
Description:

Action Type: SOIL VAPOR EXTRACTION (SVE) ***Begin Date:*** 7/24/2000
Phase: Other (See Description) ***End Date:*** 9/28/2007
Contaminant Mass Removed: 250 Pounds
Description:

Action Type: PUMP & TREAT (P&T) GROUNDWATER ***Begin Date:*** 10/14/1999
Phase: Water ***End Date:*** 9/30/2009
Contaminant Mass Removed:
Description:

LUST Cleanup Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)

Action Type: Response Requested - Reports
Action Date: 1/21/2011
Received Issue Date: 1/14/2011
Action: Well Destruction Report
Doc Link:

Action Type: Other Regulatory Actions
Action Date: 1/18/2011
Received Issue Date: 1/18/2011
Action: Closure/No Further Action Letter - #20110118
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101680&enforcement_id=6075118&temptable=ENFORCEMENT

Action Type: Other Regulatory Actions
Action Date: 10/5/2010
Received Issue Date: 10/5/2010
Action: Staff Letter - #20101005
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101680&enforcement_id=6065853&temptable=ENFORCEMENT

Action Type: Notices
Action Date: 8/3/2010
Received Issue Date: 8/3/2010
Action: Notification - Public Notice of Case Closure - #20100803
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101680&enforcement_id=6062550&temptable=ENFORCEMENT

Action Type: Response Requested - Reports
Action Date: 7/30/2010
Received Issue Date: 6/7/2010
Action: Site Assessment Report
Doc Link:

Action Type: Notices
Action Date: 7/30/2010
Received Issue Date: 7/30/2010
Action: Notification - Fee Title Owners Notice - #20100730
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101680&enforcement_id=6062557&temptable=ENFORCEMENT

Action Type: Other Regulatory Actions
Action Date: 6/7/2010
Received Issue Date: 6/7/2010
Action: File Review - Closure - #20100607
Doc Link:

Action Type: Other Regulatory Actions
Action Date: 4/1/2010
Received Issue Date: 4/1/2010
Action: Staff Letter - #20100401
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101680&enforcement_id=6047405&temptable=ENFORCEMENT

Action Type: Other Regulatory Actions
Action Date: 1/26/2010
Received Issue Date: 1/26/2010
Action: Staff Letter - #20100126
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101680&enforcement_id=6041491&temptable=ENFORCEMENT

Action Type: Response Requested - Reports
Action Date: 11/6/2009
Received Issue Date: 10/28/2009
Action: Interim Remedial Action Report
Doc Link:

Action Type: Other Regulatory Actions
Action Date: 7/23/2009
Received Issue Date: 7/23/2009
Action: Staff Letter - #20090723
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101680&enforcement_id=6025406&tempt able=ENFORCEMENT

Action Type: Other Regulatory Actions
Action Date: 7/15/2009
Received Issue Date: 7/15/2009
Action: Staff Letter - #20090715
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101680&enforcement_id=6020888&tempt able=ENFORCEMENT

Action Type: Other Regulatory Actions
Action Date: 1/14/2009
Received Issue Date: 1/14/2009
Action: Staff Letter - #20090114
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101680&enforcement_id=5999788&tempt able=ENFORCEMENT

Action Type: Other Regulatory Actions
Action Date: 10/7/2008
Received Issue Date: 10/7/2008
Action: Staff Letter - #20081007
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101680&enforcement_id=5990001&tempt able=ENFORCEMENT

Action Type: Other Regulatory Actions
Action Date: 8/26/2008
Received Issue Date: 8/26/2008
Action: Staff Letter - #20080826
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101680&enforcement_id=5985829&tempt able=ENFORCEMENT

Action Type: Response Requested - Reports
Action Date: 8/15/2008
Received Issue Date: 7/21/2008
Action: Remedial Progress Report
Doc Link:

Action Type: Enforcement - Other
Action Date: 3/5/2008
Received Issue Date: 3/5/2008
Action: * NEL - #200080305
Doc Link:

Action Type: Cleanup Action
Action Date: 12/3/2007
Received Issue Date:
Action: In Situ Physical/Chemical Treatment (other than SVE)
Doc Link:

Action Type: Cleanup Action
Action Date: 7/24/2000
Received Issue Date:
Action: Soil Vapor Extraction (SVE)
Doc Link:

Action Type: Cleanup Action
Action Date: 10/14/1999
Received Issue Date:
Action: Pump & Treat (P&T) Groundwater
Doc Link:

Action Type: Leak Action
Action Date: 7/1/1993
Received Issue Date:

Action: Leak Reported
Doc Link:

Action Type: Leak Action
Action Date: 7/1/1993
Received Issue Date:
Action: Leak Discovery
Doc Link:

Action Type: Leak Action
Action Date: 7/1/1993
Received Issue Date:
Action: Leak Stopped
Doc Link:

LUST Cleanup Sites from GeoTracker Search - Site Maps(as of Jan 18, 2019)

Title: GEO_BORE (SV-10)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2922204554/T0600101680.PDF
Size : 329 KB
Submitted By: SOMA ENVIRONMENTAL (AUTH_RP)
Submitted: 6/24/2010

Title: GEO_MAP
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/4289999723/T0600101680.PDF
Size : 78 KB
Submitted By: SOMA ENVIRONMENTAL (AUTH_RP)
Submitted: 6/24/2010

Title: GEO_BORE SV-11 (SV-11-1)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9892693936/T0600101680.PDF
Size : 329 KB
Submitted By: SOMA ENVIRONMENTAL (AUTH_RP)
Submitted: 6/24/2010

Title: GEO_BORE (SV-9)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2410180509/T0600101680.PDF
Size : 329 KB
Submitted By: SOMA ENVIRONMENTAL (AUTH_RP)
Submitted: 6/24/2010

Title: GEO_BORE (SV-8)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8693322718/T0600101680.PDF
Size : 329 KB
Submitted By: SOMA ENVIRONMENTAL (AUTH_RP)
Submitted: 6/24/2010

Title: GEO_BORE SV-6 (SV-6)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2152254998/T0600101680.PDF
Size : 17 KB
Submitted By: SOMA ENVIRONMENTAL (AUTH_RP)
Submitted: 12/17/2008

Title: GEO_BORE SV-3 (SV-3)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3218602061/T0600101680.PDF
Size : 17 KB
Submitted By: SOMA ENVIRONMENTAL (AUTH_RP)
Submitted: 12/17/2008

Title: GEO_BORE SV-7 (SV-7)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6335842311/T0600101680.PDF
Size : 17 KB
Submitted By: SOMA ENVIRONMENTAL (AUTH_RP)
Submitted: 12/17/2008

Title: GEO_BORE SV-2 (SV-2)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9449005603/T0600101680.PDF
Size : 17 KB

Submitted By: SOMA ENVIRONMENTAL (AUTH_RP)
Submitted: 12/17/2008

Title: GEO_BORE SV-1 (SV-1)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4186367213/T0600101680.PDF
Size : 17 KB
Submitted By: SOMA ENVIRONMENTAL (AUTH_RP)
Submitted: 12/17/2008

Title: GEO_BORE SV-4 (SV-4)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3539934456/T0600101680.PDF
Size : 17 KB
Submitted By: SOMA ENVIRONMENTAL (AUTH_RP)
Submitted: 12/17/2008

Title: GEO_BORE SV-5 (SV-5)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4166155159/T0600101680.PDF
Size : 17 KB
Submitted By: SOMA ENVIRONMENTAL (AUTH_RP)
Submitted: 12/17/2008

Title: GEO_MAP
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/1504926383/T0600101680.pdf
Size : 51 KB
Submitted By: SOMA ENVIRONMENTAL (AUTH_RP)
Submitted: 9/2/2005

LUST Cleanup Sites from GeoTracker Search - Documents(as of Jan 18, 2019)

Document Type: Site Documents **Size :**
Document Date: 1/18/2011 **Submitted By:** JERRY WICKHAM (REGULATOR)
Type: CLOSURE/NO FURTHER ACTION LETTER **Submitted:**
Title: DIR_L_2011-01-18
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101680&enforcement_id=6075118

Document Type: Site Documents **Size :** 465 KB
Document Date: 1/14/2011 **Submitted By:** SOMA ENVIRONMENTAL (AUTH_RP)
Type: OTHER REPORT / DOCUMENT **Submitted:**
Title: WASTE MANIFEST FOR DECOMMISSIONING OF WELLS AND DISMANTLING OF EXTRACTION AND TREATMENT SYSTEMS
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8011414527/T0600101680.PDF

Document Type: Site Documents **Size :** 11,148 KB
Document Date: 1/14/2011 **Submitted By:** SOMA ENVIRONMENTAL (AUTH_RP)
Type: OTHER REPORT / DOCUMENT **Submitted:**
Title: DECOMMISSIONING OF WELLS AND DISMANTLING OF EXTRACTION AND TREATMENT SYSTEMS
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9213464200/T0600101680.PDF

Document Type: Site Documents **Size :**
Document Date: 10/5/2010 **Submitted By:** JERRY WICKHAM (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: DIR_L_2010-10-05
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101680&enforcement_id=6065853

Document Type: Site Documents **Size :**
Document Date: 8/3/2010 **Submitted By:** JERRY WICKHAM (REGULATOR)
Type: NOTIFICATION - PUBLIC NOTICE OF CASE CLOSURE **Submitted:**
Title: PUBLIC NOTIFICATION OF POTENTIAL CASE CLOSURE
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101680&enforcement_id=6062550

Document Type: Site Documents **Size :**
Document Date: 7/30/2010 **Submitted By:** JERRY WICKHAM (REGULATOR)
Type: NOTIFICATION - FEE TITLE OWNERS NOTICE **Submitted:**
Title: LANDOWNERS NOTIFICATION
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101680&enforcement_id=6062557

Document Type: Site Documents **Size :** 684 KB
Document Date: 7/12/2010 **Submitted By:** SOMA ENVIRONMENTAL (AUTH_RP)
Type: OTHER REPORT / DOCUMENT **Submitted:**
Title: SEMI-ANNUAL TREATMENT SYSTEM DISCHARGE_JANUARY TO JUNE 2010
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4994843482/T0600101680.PDF

Document Type: Site Documents **Size :** 3,828 KB
Document Date: 6/7/2010 **Submitted By:** SOMA ENVIRONMENTAL (AUTH_RP)
Type: SITE INVESTIGATION **Submitted:**
Title: SOIL VAPOR RE-EVALUATION
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8041947722/T0600101680.PDF

Document Type: Site Documents **Size :**
Document Date: 4/1/2010 **Submitted By:** JERRY WICKHAM (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: DIR_L_2010-04-01
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101680&enforcement_id=6047405

Document Type: Site Documents **Size :** 769 KB
Document Date: 3/2/2010 **Submitted By:** SOMA ENVIRONMENTAL (AUTH_RP)
Type: OTHER WORKPLAN **Submitted:**
Title: WORKPLAN FOR SHALLOW SOIL VAPOR SAMPLING
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1926270842/T0600101680.PDF

Document Type: Site Documents **Size :**
Document Date: 1/26/2010 **Submitted By:** JERRY WICKHAM (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: DIR_L_2010-01-26
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101680&enforcement_id=6041491

Document Type: Site Documents **Size :** 907 KB
Document Date: 1/5/2010 **Submitted By:** SOMA ENVIRONMENTAL (AUTH_RP)
Type: OTHER REPORT / DOCUMENT **Submitted:**
Title: SEMI-ANNUAL MONITORING REPORT TREATMENT SYSTEM DISCHARGE_504-27421
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7541266202/T0600101680.PDF

Document Type: Monitoring Reports **Size :** 9,757 KB
Document Date: 10/28/2009 **Submitted By:** SOMA ENVIRONMENTAL (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: THIRD QUARTER 2009 GWM AND RS WITH EVALUATION OF EFFECTIVENESS OF MPE
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9406724333/T0600101680.PDF

Document Type: Site Documents **Size :**
Document Date: 7/23/2009 **Submitted By:** JERRY WICKHAM (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: DIR_L_GW MON
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101680&enforcement_id=6025406

Document Type: Site Documents **Size :** 1,194 KB
Document Date: 7/16/2009 **Submitted By:** SOMA ENVIRONMENTAL (AUTH_RP)
Type: OTHER REPORT / DOCUMENT **Submitted:**
Title: WASTE WATER DISCHARGE PERMIT NO 504-27421
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2424984157/T0600101680.PDF

Document Type: Site Documents **Size :**
Document Date: 7/15/2009 **Submitted By:** MYLE DANH (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: DIR_L_2009-07-15
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101680&enforcement_id=6020888

Document Type: Monitoring Reports **Size :** 8,094 KB
Document Date: 7/6/2009 **Submitted By:** SOMA ENVIRONMENTAL (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: SECOND QUARTER 2009 GWM & REM REPORT W/EVALUATION OF MPE_JUL 6 2009
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1120856046/T0600101680.PDF

Document Type: Monitoring Reports **Size :** 9,136 KB
Document Date: 4/28/2009 **Submitted By:** SOMA ENVIRONMENTAL (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**

Title: FIRST QTR 2009 GWM AND REMEDIATION SYSTEM RPT WITH EVALUATION OF MPE
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8379000008/T0600101680.PDF

Document Type: Site Documents **Size :**
Document Date: 1/14/2009 **Submitted By:** MYLE DANH (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: DIR_L
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101680&enforcement_id=5999788

Document Type: Monitoring Reports **Size :** 6,175 KB
Document Date: 1/7/2009 **Submitted By:** SOMA ENVIRONMENTAL (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: FOURTH QUARTER 2008 GWM AND REMEDIATION REPORT WITH EVALUATION OF EFFECTIVENESS OF MPE
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7826687037/T0600101680.PDF

Document Type: Site Documents **Size :** 1,009 KB
Document Date: 1/5/2009 **Submitted By:** SOMA ENVIRONMENTAL (AUTH_RP)
Type: OTHER REPORT / DOCUMENT **Submitted:**
Title: SEMI-ANNUAL TECHNICAL REPORT_TREATMENT SYSTEM DISCHARGE TO EBMUD_JUL 08-DEC 08
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1795242786/T0600101680.PDF

Document Type: Site Documents **Size :** 2,085 KB
Document Date: 12/23/2008 **Submitted By:** SOMA ENVIRONMENTAL (AUTH_RP)
Type: OTHER REPORT / DOCUMENT **Submitted:**
Title: VAPOR INTRUSION EVALUATION
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1444035410/T0600101680.PDF

Document Type: Site Documents **Size :**
Document Date: 10/7/2008 **Submitted By:** MYLE DANH (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: DIR_L
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101680&enforcement_id=5990001

Document Type: Monitoring Reports **Size :** 6,378 KB
Document Date: 10/1/2008 **Submitted By:** SOMA ENVIRONMENTAL (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: THIRD QUARTER 2008 GWM AND REMEDIATION SYSTEM REPORT WITH EVALUATION OF EFFECTIVENESS OF MONTHLY MPE_OCT 1 2008
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8989760458/T0600101680.PDF

Document Type: Site Documents **Size :** 1,589 KB
Document Date: 9/15/2008 **Submitted By:** SOMA ENVIRONMENTAL (AUTH_RP)
Type: OTHER WORKPLAN **Submitted:**
Title: WORKPLAN FOR VAPOR INTRUSION EVALUATION_SEPTEMBER 15 2008
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4920012533/T0600101680.PDF

Document Type: Site Documents **Size :**
Document Date: 8/26/2008 **Submitted By:** MYLE DANH (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: DIR_L
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101680&enforcement_id=5985829

Document Type: Monitoring Reports **Size :** 14,620 KB
Document Date: 7/21/2008 **Submitted By:** SOMA ENVIRONMENTAL (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: SECOND QUARTER 2008 GWM REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6983794271/T0600101680.PDF

Document Type: Site Documents **Size :** 1,417 KB
Document Date: 7/7/2008 **Submitted By:** SOMA ENVIRONMENTAL (AUTH_RP)
Type: OTHER REPORT / DOCUMENT **Submitted:**
Title: SEMI-ANNUAL TECHNICAL REPORT_ DISCHARGE PERMIT NO 504-27421 FROM JAN 08 TO JUNE 08
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1595522820/T0600101680.PDF

Document Type: Monitoring Reports **Size :** 14,941 KB
Document Date: 4/21/2008 **Submitted By:** SOMA ENVIRONMENTAL (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: FIRST QUARTER 2008 GWM REPORT

Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9237653970/T0600101680.PDF

Document Type: Site Documents **Size :** 3,506 KB
Document Date: 2/13/2008 **Submitted By:** SOMA ENVIRONMENTAL (AUTH_RP)
Type: REPORTS - OTHER **Submitted:**
Title: MULTI_PHASE EXTRACTION PILOT TEST_FEB 13 2008
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9286405801/T0600101680.PDF

Document Type: Monitoring Reports **Size :** 8,758 KB
Document Date: 2/13/2008 **Submitted By:** SOMA ENVIRONMENTAL (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: FOURTH QUARTER 2007 GWM AND REMEDIATION REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3512623667/T0600101680.PDF

Document Type: Site Documents **Size :** 1,003 KB
Document Date: 1/17/2008 **Submitted By:** SOMA ENVIRONMENTAL (AUTH_RP)
Type: REPORTS - OTHER **Submitted:**
Title: SEMI-ANNUAL_TREATMENT SYSTEM EBMUD 504-27421_JANUARY 2008
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1300581216/T0600101680.PDF

Document Type: Site Documents **Size :** 884 KB
Document Date: 12/12/2007 **Submitted By:** SOMA ENVIRONMENTAL (AUTH_RP)
Type: CORRESPONDENCE - OTHER **Submitted:**
Title: PROPOSED METHOD FOR DO MEASUREMENTS_DEC 12 2007
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7067029654/T0600101680.PDF

Document Type: Site Documents **Size :** 1,304 KB
Document Date: 11/7/2007 **Submitted By:** SOMA ENVIRONMENTAL (AUTH_RP)
Type: WORKPLANS - OTHER WP **Submitted:**
Title: MULTI_PHASE EXTRACTION PILOT TEST WORK PLAN_NOV 7, 2007
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6065625846/T0600101680.PDF

Document Type: Monitoring Reports **Size :** 12,549 KB
Document Date: 10/11/2007 **Submitted By:** SOMA ENVIRONMENTAL (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: THIRD QUARTER 2007 GWM REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3077565073/T0600101680.PDF

Document Type: Site Documents **Size :** 1,747 KB
Document Date: 9/11/2007 **Submitted By:** SOMA ENVIRONMENTAL (AUTH_RP)
Type: REPORTS - OTHER **Submitted:**
Title: RESPONSE TO TECHNICAL COMMENTS_SEPTEMBER 11 2007
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4684767782/T0600101680.PDF

Document Type: Monitoring Reports **Size :** 12,556 KB
Document Date: 7/5/2007 **Submitted By:** SOMA ENVIRONMENTAL (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: SECOND QUARTER 2007 GWM REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4258870005/T0600101680.PDF

Document Type: Site Documents **Size :** 11,853 KB
Document Date: 6/13/2007 **Submitted By:** SOMA ENVIRONMENTAL (AUTH_RP)
Type: REPORTS - OTHER **Submitted:**
Title: SEMI-ANNUAL TECHNICAL DISCHARGE RPT_JUNE 13 2007
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1259203851/T0600101680.PDF

Document Type: Site Documents **Size :** 2,495 KB
Document Date: 5/30/2007 **Submitted By:** SOMA ENVIRONMENTAL (AUTH_RP)
Type: REPORTS - OTHER **Submitted:**
Title: EXTRACTION WELL INSTALLATION RPT_MAY 30 2007
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9775832235/T0600101680.PDF

Document Type: Site Documents **Size :** 1,518 KB
Document Date: 5/22/2007 **Submitted By:** SOMA ENVIRONMENTAL (AUTH_RP)
Type: WORKPLANS - OTHER WP **Submitted:**
Title: MULTI-PHASE EXTRACTION PILOT TEST_MAY 22 07
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1608981072/T0600101680.PDF

Document Type: Monitoring Reports **Size :** 10,588 KB

Document Date: 4/16/2007 **Submitted By:** SOMA ENVIRONMENTAL (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: FIRST QUARTER 2007 GWM REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7588841080/T0600101680.PDF

Document Type: Monitoring Reports **Size :** 3,870 KB
Document Date: 1/11/2007 **Submitted By:** SOMA ENVIRONMENTAL (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: FOURTH QUARTER 2006 GWM REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8887405216/T0600101680.PDF

Document Type: Site Documents **Size :** 5,501 KB
Document Date: 12/15/2006 **Submitted By:** SOMA ENVIRONMENTAL (AUTH_RP)
Type: REPORTS - OTHER **Submitted:**
Title: TREATMENT SYSTEM DISCHARGE RPT_ DEC 2006
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5959196329/T0600101680.PDF

Document Type: Site Documents **Size :** 857 KB
Document Date: 11/10/2006 **Submitted By:** SOMA ENVIRONMENTAL (AUTH_RP)
Type: WORKPLANS - OTHER WP **Submitted:**
Title: WORK PLAN FOR INSTALLATION OF EXTRACTION WELL_NOV 2006
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7828323185/T0600101680.PDF

Document Type: Site Documents **Size :** 2,102 KB
Document Date: 10/18/2006 **Submitted By:** SOMA ENVIRONMENTAL (AUTH_RP)
Type: REPORTS - OTHER **Submitted:**
Title: WASTEWATER DISCHARGE PERMIT RENEWAL_OCT 2006
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7481764078/T0600101680.PDF

Document Type: Monitoring Reports **Size :** 8,044 KB
Document Date: 10/13/2006 **Submitted By:** SOMA ENVIRONMENTAL (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: THIRD QUARTER 2006 GWM REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1494626700/T0600101680.PDF

Document Type: Site Documents **Size :** 11,618 KB
Document Date: 6/9/2006 **Submitted By:** SOMA ENVIRONMENTAL (AUTH_RP)
Type: REPORTS - OTHER **Submitted:**
Title: TREATMENT SYSTEM DISCHARGE REPORT_ DEC 2005-MAY 2006
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6373202264/T0600101680.PDF

Document Type: Site Documents **Size :** 363 KB
Document Date: 5/5/2006 **Submitted By:** SOMA ENVIRONMENTAL (AUTH_RP)
Type: REPORTS - OTHER **Submitted:**
Title: ANNUAL UPDATE STATUS_SVE_MAY 5 2006
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4933170914/T0600101680.PDF

Document Type: Monitoring Reports **Size :** 3,740 KB
Document Date: 4/26/2006 **Submitted By:** SOMA ENVIRONMENTAL (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: SECOND QUARTER 2006 GROUNDWATER MONITORING REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2766647160/T0600101680.PDF

Document Type: Site Documents **Size :** 2,398 KB
Document Date: 4/13/2006 **Submitted By:** SOMA ENVIRONMENTAL (AUTH_RP)
Type: REPORTS - REMEDIAL ACTION RPT. **Submitted:**
Title: INSTALLATION OF AIR SPARGE AND VAPOR EXTRACTION WELLS_04-2006
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5731994450/T0600101680.PDF

Document Type: Site Documents **Size :** 265 KB
Document Date: 3/28/2006 **Submitted By:** SOMA ENVIRONMENTAL (AUTH_RP)
Type: CORRESPONDENCE - OTHER **Submitted:**
Title: LETTER DATED MARCH 28, 2006
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4136779606/T0600101680.PDF

Document Type: Monitoring Reports **Size :** 8,013 KB
Document Date: 2/8/2006 **Submitted By:** SOMA ENVIRONMENTAL (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: Q1 2006 GROUNDWATER MONITORING REPORT

Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6995971500/T0600101680.PDF

Document Type: Site Documents **Size :** 370 KB
Document Date: 1/23/2006 **Submitted By:** SOMA ENVIRONMENTAL (AUTH_RP)
Type: CORRESPONDENCE - OTHER **Submitted:**
Title: LETTER DATED JAN 23, 2006
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7641006290/T0600101680.PDF

Document Type: Site Documents **Size :** 36 KB
Document Date: 12/19/2005 **Submitted By:** SOMA ENVIRONMENTAL (AUTH_RP)
Type: CORRESPONDENCE - OTHER **Submitted:**
Title: 1Q 2006 GROUNDWATER MONITORING NOTIFICATION
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3096433341/T0600101680.PDF

Document Type: Site Documents **Size :** 4,930 KB
Document Date: 12/14/2005 **Submitted By:** SOMA ENVIRONMENTAL (AUTH_RP)
Type: REPORTS - OTHER **Submitted:**
Title: SEMI-ANNUAL TECHNICAL REPORT_TREATMENT SYSTEM
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6089383780/T0600101680.PDF

Document Type: Monitoring Reports **Size :** 4,500 KB
Document Date: 11/22/2005 **Submitted By:** SOMA ENVIRONMENTAL (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: FOURTH QUARTER 2005 GROUNDWATER MONITORING REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5729032218/T0600101680.PDF

Document Type: Site Documents **Size :** 1,398 KB
Document Date: 9/2/2005 **Submitted By:** SOMA ENVIRONMENTAL (AUTH_RP)
Type: CORRESPONDENCE - OTHER **Submitted:**
Title: EXTENSION FOR INTERIM GROUNDWATER REMEDIATION
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3047269523/T0600101680.PDF

Document Type: Monitoring Reports **Size :** 9,711 KB
Document Date: 8/24/2005 **Submitted By:** SOMA ENVIRONMENTAL (AUTH_RP)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: THIRD QUARTER 2004 GROUNDWATER MONITORING REPORT_OAKLAND_INTERNATIONAL
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1842893302/T0600101680.PDF

105	1 of 1	SW	0.47 / 2,484.37	12.18 / -26	CHEVRON 333 23RD AVE OAKLAND CA 94606	CLEANUP SITES

Global ID: T0600191516 **Site Facility Type:** CLEANUP PROGRAM SITE
Status: COMPLETED - CASE CLOSED **County:** ALAMEDA
Status Date: 2001-08-14 00:00:00 **Latitude:** 37.772775
Site Code: **Longitude:** -122.235802
Data Source: Cleanup Program Sites from GeoTracker Search; Cleanup Sites from GeoTracker Cleanup Sites Data Download

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case Number: 01S0218 **CUF Case:** NO
Local Case Number: **Case Worker:** UUU
Begin Date: 1985-08-30 00:00:00 **File Location:**
Stop Method:
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Local Agency:
Potential COC: Diesel
Potential Media of Concern: Other Groundwater (uses other than drinking water)
How Discovered: Tank Closure
How Discovered Description:
Stop Description:
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
DWR GW Subbasin Name: Santa Clara Valley - East Bay Plain (2-009.04)
Disadvantaged Community:
Site History:

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Acitivity

Action Type: Other
Date : 1985-08-30 00:00:00
Action: Leak Reported

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 2001-08-14 00:00:00

Status: Open - Site Assessment
Status Date: 1987-08-14 00:00:00

Status: Open - Site Assessment
Status Date: 1985-10-31 00:00:00

Status: Open - Case Begin Date
Status Date: 1985-08-30 00:00:00

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Phone Number:
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Email:
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND

Cleanup Program Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)

Project Status:
CUF Claim:
CUF Priority Assign:
CUF Amount Paid:
User Defined Beneficial Use:
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: http://geotracker.waterboards.ca.gov/profile_report?global_id=T0600191516
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 8/14/2001
Cleanup History Link: http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0600191516&tabname=regulatoryhistory
Potential COC: DIESEL
Potential Media Of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
DWR GW Sub Basin: Santa Clara Valley - East Bay Plain (2-009.04)
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: SAN FRANCISCO BAY RWQCB (REGION 2) (LEAD) - CASE #: 01S0218
CASEWORKER: Regional Water Board
ALAMEDA COUNTY LOP
Site History:

No site history available

WDR Place Type:
WDR File:
WDR Order:
File Location:

Cleanup Program Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)

Action Type: Leak Action
Action Date: 8/30/1985
Received Issue Date:
Action: Leak Reported
Doc Link:
Title Description Comments:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Cleanup Program Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)

Status: Completed - Case Closed
Date : 8/14/2001

Status: Open - Site Assessment
Date : 8/14/1987

Status: Open - Site Assessment
Date : 10/31/1985

Status: Open - Case Begin Date
Date : 8/30/1985

106	1 of 1	ESE	0.47 / 2,487.30	41.44 / 4	TONY'S EXPRESS AUTO SERVICE 3609 INTERNATIONAL BLVD Oakland CA 94601	ALAMEDA LOP

Record ID: RO0000265
Alt Record ID: SD0000265
Program: LUST
Release Type: UST
Site Contact: WICKHAM, JERRY
RP Identification Date: 7/6/1993 12:00:00 AM
GIS Latitude: 37.7755383497
GIS Longitude: -122.221849637
Data Source: Local Oversight Program Detailed Inventory; Local Oversight Program Inventory

--Details--
Program Element: 5602
Status: 1,5C,7,9
Status Desc: Leak confirmation,Pollution characterization,Remedial action underway,Case closed
Substance: 8006619
Org Name: ALAMEDA COUNTY LOP
Description 1: Case Closed
Description 2: Not Applicable
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 1,5C,7,9
Status Desc: Leak confirmation,Pollution characterization,Remedial action underway,Case closed
Substance: 8006619
Org Name: ALAMEDA COUNTY LOP
Description 1: Remedial Action Underway
Description 2: Not Applicable
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 1,5C,7,9
Status Desc: Leak confirmation,Pollution characterization,Remedial action underway,Case closed
Substance: 8006619
Org Name: ALAMEDA COUNTY LOP
Description 1: Leak Confirmation
Description 2: Not Applicable
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status: 1,5C,7,9
Status Desc: Leak confirmation,Pollution characterization,Remedial action underway,Case closed
Substance: 8006619
Org Name: ALAMEDA COUNTY LOP
Description 1: Pollution Characterization
Description 2: Not Applicable
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

---

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
107	1 of 1	NW	0.47 / 2,487.84	28.55 / -9	TAXI TAXI INC 2345 INTERNATIONAL BLVD Oakland CA 94601	ALAMEDA LOP

Record ID: RO0000327
Alt Record ID: SD0000327
Program: LUST
Release Type: UST
Site Contact: ((RWQCB))
RP Identification Date: 3/9/1992 12:00:00 AM
GIS Latitude: 37.7828220115
GIS Longitude: -122.2352391201
Data Source: Local Oversight Program Detailed Inventory; Local Oversight Program Inventory

--Details--

Program Element: 5602
Status: 11,3B,5C,7
Status Desc: Case transferred,Preliminary site assessment underway,Pollution characterization,Remedial action underway
Substance: 8006619
Org Name: ALAMEDA COUNTY LOP
Description 1: Case Transferred
Description 2: Not Applicable
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 11,3B,5C,7
Status Desc: Case transferred,Preliminary site assessment underway,Pollution characterization,Remedial action underway
Substance: 8006619
Org Name: ALAMEDA COUNTY LOP
Description 1: Remedial Action Underway
Description 2: Not Applicable
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 11,3B,5C,7
Status Desc: Case transferred,Preliminary site assessment underway,Pollution characterization,Remedial action underway
Substance: 8006619
Org Name: RWQCB
Description 1: Remedial Action Underway
Description 2: Not Applicable
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 11,3B,5C,7
Status Desc: Case transferred,Preliminary site assessment underway,Pollution characterization,Remedial action underway
Substance: 8006619

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Org Name: RWQCB
Description 1: Pollution Characterization
Description 2: Not Applicable
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 11,3B,5C,7
Status Desc: Case transferred,Preliminary site assessment underway,Pollution characterization,Remedial action underway
Substance: 8006619
Org Name: RWQCB
Description 1: Case Transferred
Description 2: Not Applicable
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 11,3B,5C,7
Status Desc: Case transferred,Preliminary site assessment underway,Pollution characterization,Remedial action underway
Substance: 8006619
Org Name: RWQCB
Description 1: Preliminary Site Assessment Underway
Description 2: Not Applicable
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 11,3B,5C,7
Status Desc: Case transferred,Preliminary site assessment underway,Pollution characterization,Remedial action underway
Substance: 8006619
Org Name: ALAMEDA COUNTY LOP
Description 1: Pollution Characterization
Description 2: Not Applicable
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 11,3B,5C,7
Status Desc: Case transferred,Preliminary site assessment underway,Pollution characterization,Remedial action underway
Substance: 8006619
Org Name: ALAMEDA COUNTY LOP
Description 1: Preliminary Site Assessment Underway
Description 2: Not Applicable
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

---

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
108	1 of 1	SE	0.47 / 2,489.54	29.81 / -8	CHEVRON #9-4612 3616 SAN LEANDRO ST Oakland CA 94601	ALAMEDA LOP

Record ID: RO0000233
Alt Record ID: SD0000233
Program: LUST
Release Type: UST
Site Contact: DETTERMAN, MARK
RP Identification Date: 7/17/1992 12:00:00 AM
GIS Latitude: 37.7736368033

GIS Longitude: -122.223101326
Data Source: Local Oversight Program Detailed Inventory; Local Oversight Program Inventory

--Details--
Program Element: 5602
Status: 5C
Status Desc: Pollution characterization
Substance: 8006619
Org Name: ALAMEDA COUNTY LOP
Description 1: Pollution Characterization
Description 2: Not Applicable
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 5C
Status Desc: Pollution characterization
Substance: 8006619
Org Name: VIVIAN L MCILRAITH TRUST
Description 1: Pollution Characterization
Description 2: Property/Fee Title Owner
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

---

109	1 of 1	E	0.47 / 2,496.36	46.12 / 8	AUGUST MANUFACTURING COMPANY 1466 36TH AVE OAKLAND CA 94601	ALAMEDA LOP

Record ID: RO0002788
Alt Record ID:
Program:
Release Type:
Site Contact: ((RWQCB))
RP Identification Date:
GIS Latitude:
GIS Longitude:
Data Source: Local Oversight Program Inventory

--Details--
Program Element: 5502
Status: 11
Status Desc: Case transferred
Substance:
Org Name:
Description 1:
Description 2:
Description 3:
Description 4:
Description 5:
Description 6:

110	1 of 1	S	0.48 / 2,519.67	14.92 / -23	DEL MONTE PLANT #26 400 LANCASTER OAKLAND CA 94601	LUST

Global ID:	T0600101952	**County:**	ALAMEDA
Status:	COMPLETED - CASE CLOSED	**Latitude:**	37.7707251
Status Date:	1996-02-28 00:00:00	**Longitude:**	-122.2306387

Case Type: LUST CLEANUP SITE
Date Source: LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case Number: 01-2126
Local Case Number: RO0000666
Begin Date: 1994-02-17 00:00:00
Lead Agency: ALAMEDA COUNTY LOP
Local Agency:
CUF Case: NO
Potential COC: Gasoline
How Discovered: Other Means
Stop Method: Other Means
Stop Description:
Case Worker:
File Location: All Files are on GeoTracker or in the Local Agency Database
Potential Media of Concern: Other Groundwater (uses other than drinking water)
How Discovered Description:
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
DWR GW Subbasin Name: Santa Clara Valley - East Bay Plain (2-009.04)
Disadvantaged Community:
Site History:

Regulatory Activity

Action Type: REMEDIATION
Date : 9999-09-09 00:00:00
Action: Excavation

Action Type: Other
Date : 1994-02-17 00:00:00
Action: Leak Reported

Regulatory Contacts

Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
City: OAKLAND
Address: 1515 CLAY ST SUITE 1400
Email:
Phone Number:
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)

Status History

Status: Completed - Case Closed
Status Date: 1996-02-28 00:00:00

Status: Open - Case Begin Date
Status Date: 1994-02-17 00:00:00

LUST Cleanup Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)

Site Facility Name: DEL MONTE PLANT #26
Site Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Project Status:
Potential COC: GASOLINE
WDR Place Type:
WDR File:
WDR Order:
Address: 400 LANCASTER
City: OAKLAND
Zip: 94601
County: ALAMEDA
CUF Claim:
CUF Priority Assig:
CUF Amount Paid:
File Location: ALL FILES ARE ON GEOTRACKER OR IN THE LOCAL AGENCY DATABASE
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: http://geotracker.waterboards.ca.gov/profile_report?global_id=T0600101952
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 2/28/1996
Cleanup History Link: http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0600101952&tabname=regulatoryhistory
Potential Media Of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

User Defined Beneficial Use: GW - MUNICIPAL AND DOMESTIC SUPPLY
DWR GW Sub Basin: Santa Clara Valley - East Bay Plain (2-009.04)
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: ALAMEDA COUNTY LOP (LEAD) - CASE #: RO0000666
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 01-2126
CASEWORKER: Regional Water Board

Site History:

No site history available

LUST Cleanup Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)

Status: Completed - Case Closed
Date : 2/28/1996

Status: Open - Case Begin Date
Date : 2/17/1994

LUST Cleanup Sites from GeoTracker Search - Cleanup Action(as of Jan 18, 2019)

Action Type: EXCAVATION
Phase:
Contaminant Mass Removed:
Description:
Begin Date: 9/9/9999
End Date: 9/9/9999

LUST Cleanup Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)

Action Type: Cleanup Action
Action Date: 9/9/9999
Received Issue Date:
Action: Excavation
Doc Link:

Action Type: Leak Action
Action Date: 2/17/1994
Received Issue Date:
Action: Leak Reported
Doc Link:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
111	1 of 4	WNW	0.48 / 2,539.26	18.16 / -20	The Earthgrains Baking Company, Inc 955 KENNEDY STREET OAKLAND CA 94606	DELISTED HAZ

Siteid: 403717
Latitude: 37.778980
Longitude: -122.239180
Original Source: CHAZ
Record Date: 09-JUL-2018

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
111	2 of 4	WNW	0.48 / 2,539.26	18.16 / -20	EARTHGRAINS BAKING COMPANY 955 KENNEDY ST OAKLAND CA 94606	ALAMEDA LOP

Record ID: RO0002569
Alt Record ID: SD0002569
Program: LUST
Release Type: UST
Site Contact: DETTERMAN, KAREL

RP Identification Date:
GIS Latitude: 37.7790948191
GIS Longitude: -122.2383830988
Data Source: Local Oversight Program Detailed Inventory; Local Oversight Program Inventory

--Details--
Program Element: 5602
Status: 1,3A,3B,5C
Status Desc: Leak confirmation,Preliminary site assessment workplan submitted,Preliminary site assessment underway,Pollution characterization
Substance: 12034
Org Name: ALAMEDA COUNTY LOP
Description 1: Preliminary Site Assessment Underway
Description 2: Not Applicable
Description 3: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 1,3A,3B,5C
Status Desc: Leak confirmation,Preliminary site assessment workplan submitted,Preliminary site assessment underway,Pollution characterization
Substance: 12034
Org Name: ALAMEDA COUNTY LOP
Description 1: Preliminary Site Assessment Workplan Submitted
Description 2: Not Applicable
Description 3: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 1,3A,3B,5C
Status Desc: Leak confirmation,Preliminary site assessment workplan submitted,Preliminary site assessment underway,Pollution characterization
Substance: 12034
Org Name: ALAMEDA COUNTY LOP
Description 1: Leak Confirmation
Description 2: Not Applicable
Description 3: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 1,3A,3B,5C
Status Desc: Leak confirmation,Preliminary site assessment workplan submitted,Preliminary site assessment underway,Pollution characterization
Substance: 12034
Org Name: ALAMEDA COUNTY LOP
Description 1: Pollution Characterization
Description 2: Not Applicable
Description 3: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

111	3 of 4	WNW	0.48 / 2,539.26	18.16 / -20	KILPATRICK'S GARAGE 955 KENNEDY ST Oakland CA 94606	ALAMEDA LOP

Record ID: RO0000758
Alt Record ID: SD0000758
Program: LUST
Release Type: UST

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Site Contact: CHU, EVA
RP Identification Date: 4/1/1992 12:00:00 AM
GIS Latitude: 37.7791048191
GIS Longitude: -122.238373099
Data Source: Local Oversight Program Detailed Inventory; Local Oversight Program Inventory

--Details--

Program Element: 5602
Status: 9
Status Desc: Case closed
Substance: 12034
Org Name: KILPATRICK'S BAKERIES
Description 1: Case Closed
Description 2: Property/Fee Title Owner
Description 3: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 9
Status Desc: Case closed
Substance: 12034
Org Name: CAMPBELL TAGGART INC
Description 1: Case Closed
Description 2: Business Owner
Description 3: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 9
Status Desc: Case closed
Substance: 12034
Org Name: ALAMEDA COUNTY LOP
Description 1: Case Closed
Description 2: Not Applicable
Description 3: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

---

111	4 of 4	WNW	0.48 / 2,539.26	18.16 / -20	Earthgrains Baking Company 955 Kennedy Street, Oakland, CA 94606 CA	UST CLOSURE

Claim Case No: Claim No. 4424
ID: 4424
Deadline to Recv Comments: 2015/09/16
Prop UST Case Closure Type: UST Case Closure Proposed For Consideration by the Executive Director

Written Comments

Comment Type: Comments
Written Comments: https://www.waterboards.ca.gov/water_issues/programs/ustcf/docs/prop_closure_cases/4424_comments.pdf

---

112	1 of 2	WSW	0.48 / 2,541.50	14.18 / -24	RHODES & JAMIESON BATCH PLANT 333 KENNEDY ST OAKLAND CA 94606	DELISTED LST

Delisted Leaking Storage Tanks

Global ID:	T0600101137	***Begin Date:***	1985-08-08 00:00:00
Case Type:	LUST Cleanup Site	***How Discovered:***	
Status:	Open - Site Assessment	***Stop Method:***	
Status Date:	1985-11-30 00:00:00	***County:***	Alameda
RB Case No:	01-1238	***Latitude:***	37.7736659992228
Loc Case No:	RO0003053	***Longitude:***	-122.23742723465
Case Worker:	MYM	***Site Name:***	
Local Agency:			
Lead Agency:	SAN FRANCISCO BAY RWQCB (REGION 2)		
File Location:	All Files are on GeoTracker or in the Local Agency Database		
Cal Water Watershed Name:			
DWR Groundwater Sub Basin:			
Proposed UST Closure:			
Orig Address:			
Original Source:	LUST		
Record Date:	04-DEC-2015		
Contam of Concern:			

Diesel

How Discover Desc:

Stop Description:

Potential Media Affected:

Under Investigation

112	*2 of 2*	*WSW*	*0.48 / 2,541.50*	*14.18 / -24*	***RHODES & JAMIESON BATCH PLANT 333 KENNEDY ST OAKLAND CA 94606***	***ALAMEDA LOP***

Record ID:	RO0003053
Alt Record ID:	SD0003045
Program:	LUST
Release Type:	UST
Site Contact:	((RWQCB))
RP Identification Date:	11/30/1985 12:00:00 AM
GIS Latitude:	37.773826795
GIS Longitude:	-122.237173528
Data Source:	Local Oversight Program Detailed Inventory; Local Oversight Program Inventory

--Details--

Program Element:	5602
Status:	1,11
Status Desc:	Leak confirmation,Case transferred
Substance:	12034
Org Name:	SPM PROPERTIES LLC
Description 1:	Leak Confirmation
Description 2:	Former Fee Title Owner
Description 3:	Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Description 4:	RP Identified & Solvent
Description 5:	Other Groundwater affected (uses other than drinking water)
Description 6:	Substance released from Underground Storage Tank System

Program Element:	5602
Status:	1,11
Status Desc:	Leak confirmation,Case transferred
Substance:	12034
Org Name:	ALAMEDA COUNTY LOP
Description 1:	Leak Confirmation
Description 2:	Not Applicable
Description 3:	Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4

Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 1,11
Status Desc: Leak confirmation,Case transferred
Substance: 12034
Org Name: ALAMEDA COUNTY LOP
Description 1: Case Transferred
Description 2: Not Applicable
Description 3: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 1,11
Status Desc: Leak confirmation,Case transferred
Substance: 12034
Org Name: SPM PROPERTIES LLC
Description 1: Case Transferred
Description 2: Former Fee Title Owner
Description 3: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 1,11
Status Desc: Leak confirmation,Case transferred
Substance: 12034
Org Name: BBIC ASSOCIATES LLC
Description 1: Leak Confirmation
Description 2: Property/Fee Title Owner
Description 3: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 1,11
Status Desc: Leak confirmation,Case transferred
Substance: 12034
Org Name: RWQCB
Description 1: Case Transferred
Description 2: Not Applicable
Description 3: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 1,11
Status Desc: Leak confirmation,Case transferred
Substance: 12034
Org Name: RWQCB
Description 1: Leak Confirmation
Description 2: Not Applicable
Description 3: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 1,11
Status Desc: Leak confirmation,Case transferred
Substance: 12034
Org Name: BBIC ASSOCIATES LLC

Description 1: Case Transferred
Description 2: Property/Fee Title Owner
Description 3: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

---

113	1 of 1	WSW	0.48 / 2,549.64	16.10 / -22	RIGHT AWAY REDI MIX INC 401 KENNEDY OAKLAND CA 94606	LUST

Global ID: T0600101140
Status: COMPLETED - CASE CLOSED
Status Date: 1994-06-29 00:00:00
Case Type: LUST CLEANUP SITE
Date Source: LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download
County: ALAMEDA
Latitude: 37.7745246413202
Longitude: -122.237655222416

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case Number: 01-1241
Local Case Number: RO0000870
Begin Date: 1991-11-01 00:00:00
Lead Agency: ALAMEDA COUNTY LOP
Local Agency:
CUF Case: NO
Potential COC: Diesel
How Discovered: Other Means
Stop Method: Other Means
Stop Description:
Case Worker:
File Location: All Files are on GeoTracker or in the Local Agency Database
Potential Media of Concern: Other Groundwater (uses other than drinking water)
How Discovered Description:
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
DWR GW Subbasin Name: Santa Clara Valley - East Bay Plain (2-009.04)
Disadvantaged Community:
Site History:

Regulatory Activity

Action Type: REMEDIATION
Date : 9999-09-09 00:00:00
Action: Excavation

Action Type: Other
Date : 1991-11-01 00:00:00
Action: Leak Reported

Regulatory Contacts

Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
City: OAKLAND
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
Email:
Phone Number:

Status History

Status: Completed - Case Closed
Status Date: 1994-06-29 00:00:00

Status: Open - Case Begin Date
Status Date: 1991-11-01 00:00:00

LUST Cleanup Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)

Site Facility Name:	RIGHT AWAY REDI MIX INC	***Address:***	401 KENNEDY
Site Facility Type:	LUST CLEANUP SITE	***City:***	OAKLAND
Cleanup Status:	COMPLETED - CASE CLOSED	***Zip:***	94606
Project Status:		***County:***	ALAMEDA
Potential COC:	DIESEL	***CUF Claim:***	
WDR Place Type:		***CUF Priority Assig:***	
WDR File:		***CUF Amount Paid:***	
WDR Order:			

File Location: ALL FILES ARE ON GEOTRACKER OR IN THE LOCAL AGENCY DATABASE
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: http://geotracker.waterboards.ca.gov/profile_report?global_id=T0600101140
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 6/29/1994
Cleanup History Link: http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0600101140&tabname=regulatoryhistory
Potential Media Of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
User Defined Beneficial Use: GW - MUNICIPAL AND DOMESTIC SUPPLY
DWR GW Sub Basin: Santa Clara Valley - East Bay Plain (2-009.04)
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: ALAMEDA COUNTY LOP (LEAD) - CASE #: RO0000870
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 01-1241
CASEWORKER: Regional Water Board
Site History:

No site history available

LUST Cleanup Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)

Status: Completed - Case Closed
Date : 6/29/1994

Status: Open - Case Begin Date
Date : 11/1/1991

LUST Cleanup Sites from GeoTracker Search - Cleanup Action(as of Jan 18, 2019)

Action Type:	EXCAVATION	***Begin Date:***	9/9/9999
Phase:		***End Date:***	9/9/9999
Contaminant Mass Removed:			
Description:			

LUST Cleanup Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)

Action Type: Cleanup Action
Action Date: 9/9/9999
Received Issue Date:
Action: Excavation
Doc Link:

Action Type: Leak Action
Action Date: 11/1/1991
Received Issue Date:
Action: Leak Reported
Doc Link:

114	*1 of 1*	*SE*	*0.49 / 2,561.19*	*31.27 / -7*	***CHEVRON #9-4612*** ***3616 SAN LEANDRO STREET*** ***OAKLAND CA 94601***	***LUST***

Global ID:	T0600100333	***County:***	ALAMEDA
Status:	OPEN - SITE ASSESSMENT	***Latitude:***	37.773426578
Status Date:	1988-07-12 00:00:00	***Longitude:***	-122.2226055

Case Type: LUST CLEANUP SITE
Date Source: LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case Number:	01-0362	**Potential COC:**	Gasoline, Waste Oil / Motor / Hydraulic / Lubricating
Local Case Number:	RO0000233	**How Discovered:**	Other Means, Site Assessment/Site Investigation
Begin Date:	1988-02-10 00:00:00	**Stop Method:**	Close and Remove Tank
Lead Agency:	ALAMEDA COUNTY LOP	**Stop Description:**	Station demolished, USTs reported removed, with new asphalt patch
Local Agency:	ALAMEDA COUNTY LOP	**Case Worker:**	MD
CUF Case:	YES	**File Location:**	All Files are on GeoTracker or in the Local Agency Database

Potential Media of Concern: Other Groundwater (uses other than drinking water)
How Discovered Description:
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
DWR GW Subbasin Name: Santa Clara Valley - East Bay Plain (2-009.04)
Disadvantaged Community: Disadvantaged Community
Site History:

The site was a service station between 1967 and September 1976 when the station was demolished and all above and underground structures are reported to have been removed. Two 10,000-gallon gasoline, one 5,000-gallon gasoline, and one 1,000-gallon waste oil USTs; two hydraulic hoists, and two dispenser islands are reported to have been present. No environmental samples were collected at the time. In March 1988 the currently existing warehouse was under construction and geotechnical bores B-1 to B-3 were installed and encountered gasoline odors. In August 1988 well VH-1 was installed. In February 1993 wells MW-2 and MW-3 were installed. Well MW-4 and soil bore SB-1 were installed in August 1995. Hand auger bores HA-1 to HA-3 and soil bores GP-1 to GP-3 were installed in March 2002. Soil bores SB-2 to SB-4 and vapor probes VP-1 to V-4 were installed in May 2008. The downgradient and vertical extent of soil and groundwater contamination does not appear to be defined except in the shallow groundwater zone. The release appears to have occurred in a period of lower groundwater, as the highest PID detections in bore logs (MW-2, GP-1, B-2) are below groundwater at a depth of approximately 15 feet. The significance of these PID detections is unknown as all deep soil samples with elevated PID detections (significantly higher than shallow soil PID detections) were not analyzed. It is also unknown if chlorinated solvents may play a role in these elevated PID results at depth. Removal of secondary sources (UST backfill) is unconfirmed as the tank removals were in 1976. The distance to water supply wells is also unknown. A 1993 well survey was conducted; however, the installation of new water supply wells in the interim is a distinct possibility in this area of Oakland.

Regulatory Activity

Action Type: RESPONSE
Date : 2020-02-28 00:00:00
Action: Monitoring Report - Semi-Annually

Action Type: RESPONSE
Date : 2019-08-30 00:00:00
Action: Monitoring Report - Semi-Annually

Action Type: RESPONSE
Date : 2019-05-31 00:00:00
Action: Site Assessment Report

Action Type: ENFORCEMENT
Date : 2019-03-11 00:00:00
Action: Staff Letter

Action Type: RESPONSE
Date : 2019-02-25 00:00:00
Action: Soil and Water Investigation Workplan - Regulator Responded

Action Type: ENFORCEMENT
Date : 2018-04-03 00:00:00
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Action Type: RESPONSE
Date : 2018-03-02 00:00:00
Action: Monitoring Report - Semi-Annually

Action Type: ENFORCEMENT
Date : 2018-01-29 00:00:00
Action: Staff Letter

Action Type: RESPONSE
Date : 2017-12-08 00:00:00
Action: Soil and Water Investigation Workplan - Addendum - Regulator Responded

Action Type: ENFORCEMENT
Date : 2017-10-06 00:00:00
Action: Staff Letter

Action Type: RESPONSE
Date : 2017-08-18 00:00:00
Action: Request for Closure - Regulator Responded

Action Type: RESPONSE
Date : 2017-08-04 00:00:00
Action: Monitoring Report - Semi-Annually

Action Type: ENFORCEMENT
Date : 2017-06-07 00:00:00
Action: Staff Letter

Action Type: ENFORCEMENT
Date : 2016-05-13 00:00:00
Action: Staff Letter - #20160513

Action Type: RESPONSE
Date : 2015-07-31 00:00:00
Action: Soil and Water Investigation Report

Action Type: ENFORCEMENT
Date : 2015-04-24 00:00:00
Action: Staff Letter - #20150424

Action Type: ENFORCEMENT
Date : 2015-01-29 00:00:00
Action: Staff Letter - #20150129

Action Type: ENFORCEMENT
Date : 2014-05-06 00:00:00
Action: Staff Letter - #20140506

Action Type: RESPONSE
Date : 2014-02-28 00:00:00
Action: Soil and Water Investigation Workplan - Regulator Responded

Action Type: RESPONSE
Date : 2014-02-26 00:00:00
Action: Conceptual Site Model

Action Type: ENFORCEMENT
Date : 2014-01-24 00:00:00
Action: Staff Letter - #20140124

Action Type: RESPONSE
Date : 2012-11-16 00:00:00
Action: Correspondence

Action Type: RESPONSE
Date : 2012-11-16 00:00:00
Action: Soil and Water Investigation Workplan - Addendum

Action Type: ENFORCEMENT
Date : 2012-10-17 00:00:00
Action: Staff Letter - #20121017

Action Type: RESPONSE
Date : 2012-08-03 00:00:00
Action: Soil and Water Investigation Report

Action Type: ENFORCEMENT
Date : 2012-03-30 00:00:00
Action: Staff Letter - #20120330

Action Type: RESPONSE
Date : 2011-09-09 00:00:00
Action: Soil and Water Investigation Workplan

Action Type: ENFORCEMENT
Date : 2011-06-30 00:00:00
Action: Staff Letter - #20110630

Action Type: ENFORCEMENT
Date : 2009-07-24 00:00:00
Action: Staff Letter - #20090724

Action Type: RESPONSE
Date : 1995-09-29 00:00:00
Action: Soil and Water Investigation Report

Action Type: RESPONSE
Date : 1993-04-12 00:00:00
Action: Preliminary Site Assessment Report

Action Type: RESPONSE
Date : 1993-04-12 00:00:00
Action: Unknown

Action Type: RESPONSE
Date : 1988-09-16 00:00:00
Action: Unknown

Action Type: Other
Date : 1988-07-12 00:00:00
Action: Leak Reported

Action Type: Other
Date : 1988-02-10 00:00:00
Action: Leak Discovery

Action Type: Other
Date : 1976-09-14 00:00:00
Action: Leak Stopped

Regulatory Contacts

Contact Type: Local Agency Caseworker
Contact Name: MARK DETTERMAN
City: ALAMEDA
Organization Name: ALAMEDA COUNTY LOP
Address: 1131 HARBOR BAY PARKWAY
Email: mark.detterman@acgov.org
Phone Number: 5105676876

Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
City: OAKLAND
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
Email:
Phone Number:

Status History

Status: Open - Site Assessment
Status Date: 1988-07-12 00:00:00

Status: Open - Case Begin Date
Status Date: 1988-02-10 00:00:00

LUST Cleanup Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)

Site Facility Name:	CHEVRON #9-4612	***Address:***	3616 SAN LEANDRO STREET
Site Facility Type:	LUST CLEANUP SITE	***City:***	OAKLAND
Cleanup Status:	OPEN - SITE ASSESSMENT	***Zip:***	94601
Project Status:		***County:***	ALAMEDA
Potential COC:	GASOLINE, WASTE OIL / MOTOR / HYDRAULIC / LUBRICATING	***CUF Claim:***	8895
WDR Place Type:		***CUF Priority Assig:***	D
WDR File:		***CUF Amount Paid:***	
WDR Order:			

File Location: ALL FILES ARE ON GEOTRACKER OR IN THE LOCAL AGENCY DATABASE
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: http://geotracker.waterboards.ca.gov/profile_report?global_id=T0600100333
Cleanup Status Detail: OPEN - SITE ASSESSMENT AS OF 7/12/1988
Cleanup History Link: http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0600100333&tabname=regulatoryhistory
Potential Media Of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
User Defined Beneficial Use:
DWR GW Sub Basin: Santa Clara Valley - East Bay Plain (2-009.04)
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: ALAMEDA COUNTY LOP (LEAD) - CASE #: RO0000233
CASEWORKER: MARK DETTERMAN
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 01-0362
CASEWORKER: Regional Water Board
Site History:

The site was a service station between 1967 and September 1976 when the station was demolished and all above and underground structures are reported to have been removed. Two 10,000-gallon gasoline, one 5,000-gallon gasoline, and one 1,000-gallon waste oil USTs; two hydraulic hoists, and two dispenser islands are reported to have been present. No environmental samples were collected at the time. In March 1988 the currently existing warehouse was under construction and geotechnical bores B-1 to B-3 were installed and encountered gasoline odors. In August 1988 well VH-1 was installed. In February 1993 wells MW-2 and MW-3 were installed. Well MW-4 and soil bore SB-1 were installed in August 1995. Hand auger bores HA-1 to HA-3 and soil bores GP-1 to GP-3 were installed in March 2002. Soil bores SB-2 to SB-4 and vapor probes VP-1 to V-4 were installed in May 2008.

The downgradient and vertical extent of soil and groundwater contamination does not appear to be defined except in the shallow groundwater zone. The release appears to have occurred in a period of lower groundwater, as the highest PID detections in bore logs (MW-2, GP-1, B-2) are below groundwater at a depth of approximately 15 feet. The significance of these PID detections is unknown as all deep soil samples with elevated PID detections (significantly higher than shallow soil PID detections) were not analyzed. It is also unknown if chlorinated solvents may play a role in these elevated PID results at depth. Removal of secondary sources (UST backfill) is unconfirmed as the tank removals were in 1976. The distance to water supply wells is also unknown. A 1993 well survey was conducted; however, the installation of new water supply wells in the interim is a distinct possibility in this area of Oakland.

LUST Cleanup Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)

Status: Open - Site Assessment
Date : 7/12/1988

Status: Open - Case Begin Date
Date : 2/10/1988

LUST Cleanup Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)

Action Type: Response Requested - Workplans
Action Date: *2/25/2019
Received Issue Date:
Action: Soil and Water Investigation Workplan
Doc Link:

Action Type: Response Requested - Reports
Action Date: 4/3/2018
Received Issue Date: 4/3/2018
Action: Clean Up Fund - 5-Year Review Summary

Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600100333&doc_id=5961083

Action Type: Response Requested - Reports
Action Date: 3/2/2018
Received Issue Date: 2/22/2018
Action: Monitoring Report - Semi-Annually
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600100333&doc_id=5945700

Action Type: Other Regulatory Actions
Action Date: 1/29/2018
Received Issue Date: 1/29/2018
Action: Staff Letter
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100333&enforcement_id=6347113&temptable=ENFORCEMENT

Action Type: Response Requested - Workplans
Action Date: 12/8/2017
Received Issue Date: 12/7/2017
Action: Soil and Water Investigation Workplan - Addendum - Regulator Responded
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600100333&doc_id=5945699

Action Type: Other Regulatory Actions
Action Date: 10/6/2017
Received Issue Date: 10/6/2017
Action: Staff Letter
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100333&enforcement_id=6338403&temptable=ENFORCEMENT

Action Type: Response Requested - Other
Action Date: 8/18/2017
Received Issue Date: 8/10/2017
Action: Request for Closure - Regulator Responded
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600100333&doc_id=5923428

Action Type: Response Requested - Reports
Action Date: 8/4/2017
Received Issue Date: 8/4/2017
Action: Monitoring Report - Semi-Annually
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600100333&doc_id=5923427

Action Type: Other Regulatory Actions
Action Date: 6/7/2017
Received Issue Date: 6/7/2017
Action: Staff Letter
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100333&enforcement_id=6322292&temptable=ENFORCEMENT

Action Type: Other Regulatory Actions
Action Date: 5/13/2016
Received Issue Date: 5/13/2016
Action: Staff Letter - #20160513
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100333&enforcement_id=6284788&temptable=ENFORCEMENT

Action Type: Response Requested - Reports
Action Date: *7/31/2015
Received Issue Date:
Action: Soil and Water Investigation Report
Doc Link:

Action Type: Other Regulatory Actions
Action Date: 4/24/2015
Received Issue Date: 4/24/2015
Action: Staff Letter - #20150424
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100333&enforcement_id=6249038&temptable=ENFORCEMENT

Action Type: Other Regulatory Actions
Action Date: 1/29/2015

Received Issue Date: 1/29/2015
Action: Staff Letter - #20150129
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100333&enforcement_id=6234817&temptable=ENFORCEMENT

Action Type: Other Regulatory Actions
Action Date: 5/6/2014
Received Issue Date: 5/6/2014
Action: Staff Letter - #20140506
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100333&enforcement_id=6202288&temptable=ENFORCEMENT

Action Type: Response Requested - Workplans
Action Date: 2/28/2014
Received Issue Date: 2/26/2014
Action: Soil and Water Investigation Workplan - Regulator Responded
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600100333&doc_id=5795465

Action Type: Response Requested - Other
Action Date: 2/26/2014
Received Issue Date: 2/26/2014
Action: Conceptual Site Model
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600100333&doc_id=5804104

Action Type: Other Regulatory Actions
Action Date: 1/24/2014
Received Issue Date: 1/24/2014
Action: Staff Letter - #20140124
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100333&enforcement_id=6189780&temptable=ENFORCEMENT

Action Type: Response Requested - Workplans
Action Date: *11/16/2012
Received Issue Date:
Action: Soil and Water Investigation Workplan - Addendum
Doc Link:

Action Type: Response Requested - Other
Action Date: *11/16/2012
Received Issue Date:
Action: Correspondence
Doc Link:

Action Type: Other Regulatory Actions
Action Date: 10/17/2012
Received Issue Date: 10/17/2012
Action: Staff Letter - #20121017
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100333&enforcement_id=6164445&temptable=ENFORCEMENT

Action Type: Response Requested - Reports
Action Date: *8/3/2012
Received Issue Date:
Action: Soil and Water Investigation Report
Doc Link:

Action Type: Other Regulatory Actions
Action Date: 3/30/2012
Received Issue Date: 3/30/2012
Action: Staff Letter - #20120330
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100333&enforcement_id=6117326&temptable=ENFORCEMENT

Action Type: Response Requested - Workplans
Action Date: 9/9/2011
Received Issue Date: 9/9/2011
Action: Soil and Water Investigation Workplan
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600100333&doc_id=5716375

Action Type: Other Regulatory Actions
Action Date: 6/30/2011
Received Issue Date: 6/30/2011
Action: Staff Letter - #20110630
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100333&enforcement_id=6091088&temptable=ENFORCEMENT

Action Type: Other Regulatory Actions
Action Date: 7/24/2009
Received Issue Date: 7/24/2009
Action: Staff Letter - #20090724
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100333&enforcement_id=6024515&temptable=ENFORCEMENT

Action Type: Response Requested - Reports
Action Date: 9/29/1995
Received Issue Date: 9/29/1995
Action: Soil and Water Investigation Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600100333&doc_id=5773975

Action Type: Response Requested - Other
Action Date: 4/12/1993
Received Issue Date: 4/12/1993
Action: Unknown
Doc Link:

Action Type: Response Requested - Reports
Action Date: 4/12/1993
Received Issue Date: 4/12/1993
Action: Preliminary Site Assessment Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600100333&doc_id=5773974

Action Type: Response Requested - Other
Action Date: 9/16/1988
Received Issue Date: 9/16/1988
Action: Unknown
Doc Link:

Action Type: Leak Action
Action Date: 7/12/1988
Received Issue Date:
Action: Leak Reported
Doc Link:

Action Type: Leak Action
Action Date: 2/10/1988
Received Issue Date:
Action: Leak Discovery
Doc Link:

Action Type: Leak Action
Action Date: 9/14/1976
Received Issue Date:
Action: Leak Stopped
Doc Link:

LUST Cleanup Sites from GeoTracker Search - Site Maps(as of Jan 18, 2019)

Title: B-2 BORING LOG (B-2)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7576735734/T0600100333.PDF
Size : 54 KB
Submitted By: GHD (CONTRACTOR)
Submitted: 4/18/2012

Title: B-3 BORING LOG (B-3)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6139373719/T0600100333.PDF
Size : 53 KB
Submitted By: GHD (CONTRACTOR)

Submitted: 4/18/2012

Title: VH-1 BORING LOG (VH-1)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9647720277/T0600100333.PDF
Size : 39 KB
Submitted By: GHD (CONTRACTOR)
Submitted: 4/18/2012

Title: HA-3 BORING LOG (HA-3)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5788548290/T0600100333.PDF
Size : 25 KB
Submitted By: GHD (CONTRACTOR)
Submitted: 4/18/2012

Title: B-1 BORING LOG (B-1)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2262406349/T0600100333.PDF
Size : 56 KB
Submitted By: GHD (CONTRACTOR)
Submitted: 4/18/2012

Title: SB-1 BORING LOG (SB-1)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9844196379/T0600100333.PDF
Size : 34 KB
Submitted By: GHD (CONTRACTOR)
Submitted: 4/18/2012

Title: GP-1 BORING LOG (GP-1)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6158100903/T0600100333.PDF
Size : 26 KB
Submitted By: GHD (CONTRACTOR)
Submitted: 4/18/2012

Title: HA-1 BORING LOG (HA-1)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5496124207/T0600100333.PDF
Size : 24 KB
Submitted By: GHD (CONTRACTOR)
Submitted: 4/18/2012

Title: HA-2 BORING LOG (HA-2)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5825543999/T0600100333.PDF
Size : 24 KB
Submitted By: GHD (CONTRACTOR)
Submitted: 4/18/2012

Title: MW-4 BORING LOG/CONSTRUCTION DIAGRAM (MW-4)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2686283886/T0600100333.PDF
Size : 37 KB
Submitted By: GHD (CONTRACTOR)
Submitted: 4/18/2012

Title: MW-3 BORING LOG/CONSTRUCTION DIAGRAM (MW-3)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2919919848/T0600100333.PDF
Size : 37 KB
Submitted By: GHD (CONTRACTOR)
Submitted: 4/18/2012

Title: GP-2 BORING LOG (GP-2)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4338392138/T0600100333.PDF
Size : 27 KB
Submitted By: GHD (CONTRACTOR)
Submitted: 4/18/2012

Title: MW-2 BORING LOG/CONSTRUCTION DIAGRAM (MW-2)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7891906023/T0600100333.PDF
Size : 38 KB
Submitted By: GHD (CONTRACTOR)
Submitted: 4/18/2012

Title: GP-3 BORING LOG (GP-3)

Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9772964417/T0600100333.PDF
Size : 25 KB
Submitted By: GHD (CONTRACTOR)
Submitted: 4/18/2012

Title: GEO_MAP
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/1884405851/T0600100333.PDF
Size : 120 KB
Submitted By: GHD (CONTRACTOR)
Submitted: 1/18/2010

Title: SB-4 (SB-4)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3373193323/T0600100333.PDF
Size : 35 KB
Submitted By: GHD (CONTRACTOR)
Submitted: 1/15/2010

Title: SB-2 (SB-2)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3305978238/T0600100333.PDF
Size : 46 KB
Submitted By: GHD (CONTRACTOR)
Submitted: 1/15/2010

Title: VP-2 (VP-2)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6029626309/T0600100333.PDF
Size : 32 KB
Submitted By: GHD (CONTRACTOR)
Submitted: 1/15/2010

Title: VP-3 (VP-3)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5202355802/T0600100333.PDF
Size : 38 KB
Submitted By: GHD (CONTRACTOR)
Submitted: 1/15/2010

Title: VP-4 (VP-4)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5925454676/T0600100333.PDF
Size : 38 KB
Submitted By: GHD (CONTRACTOR)
Submitted: 1/15/2010

Title: SB-3 (SB-3)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7268746793/T0600100333.PDF
Size : 45 KB
Submitted By: GHD (CONTRACTOR)
Submitted: 1/15/2010

Title: VP-1 (VP-1)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7825517058/T0600100333.PDF
Size : 34 KB
Submitted By: GHD (CONTRACTOR)
Submitted: 1/15/2010

LUST Cleanup Sites from GeoTracker Search - Documents(as of Jan 18, 2019)

Document Type: Site Documents
Document Date: 1/18/2019
Type: SOIL AND WATER INVESTIGATION WORKPLAN
Size : 7,675 KB
Submitted By: ARCADIS (CONTRACTOR)
Submitted:
Title: SITE INVESTIGATION WORK PLAN
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8505569696/T0600100333.PDF

Document Type: Site Documents
Document Date: 4/3/2018
Type: CLEAN UP FUND - 5-YEAR REVIEW SUMMARY
Size :
Submitted By: SUKHMANI BRAR (REGULATOR)
Submitted:
Title: 8895 1ST RSR RATIONALE FOR ADDITIONAL WORK MARCH 2018
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100333&document_id=5961083

Document Type: Site Documents **Size :** 123 KB
Document Date: 3/14/2018 **Submitted By:** AECOM (CONTRACTOR)
Type: CORRESPONDENCE **Submitted:**
Title: CHANGE TO GROUNDWATER MONITORING AND SAMPLING SCHEDULE
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2965781867/T0600100333.PDF

Document Type: Site Documents **Size :** 735 KB
Document Date: 3/5/2018 **Submitted By:** AECOM (CONTRACTOR)
Type: CORRESPONDENCE **Submitted:**
Title: CHEVRON TO ACDEH RE: WORK PLAN NOT WARRANTED
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8885724008/T0600100333.PDF

Document Type: Monitoring Reports **Size :** 10,686 KB
Document Date: 2/21/2018 **Submitted By:** AECOM (CONTRACTOR)
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Title: 2SA17 GWM REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5441491901/T0600100333.PDF

Document Type: Site Documents **Size :**
Document Date: 1/29/2018 **Submitted By:** MARK DETTERMAN (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: EXTENSION REQUEST DENIAL AND WORK PLAN REQUEST
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100333&enforcement_id=6347113

Document Type: Site Documents **Size :** 2,766 KB
Document Date: 12/7/2017 **Submitted By:** AECOM (CONTRACTOR)
Type: CORRESPONDENCE **Submitted:**
Title: RESPONSE TO CASE CLOSURE DENIAL AND DIRECTIVE FOR WORK PLAN ADDENDUM
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6575918793/T0600100333.PDF

Document Type: Site Documents **Size :** 20 KB
Document Date: 11/7/2017 **Submitted By:** AECOM (CONTRACTOR)
Type: CORRESPONDENCE **Submitted:**
Title: CHANGE OF ENVIRONMENTAL CONSULTANT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7945980966/T0600100333.PDF

Document Type: Site Documents **Size :**
Document Date: 10/6/2017 **Submitted By:** MARK DETTERMAN (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: REQUEST FOR CLOSURE RESPONSE; REQUEST FOR WORK PLAN ADDENDUM
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100333&enforcement_id=6338403

Document Type: Site Documents **Size :** 5,556 KB
Document Date: 8/11/2017 **Submitted By:** LAURA VIESSELMAN (AUTH_RP)
Type: REQUEST FOR CLOSURE **Submitted:**
Title: Q317 REQUEST FOR CASE CLOSURE 8/11/2017
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6542822480/T0600100333.PDF

Document Type: Monitoring Reports **Size :** 5,048 KB
Document Date: 8/4/2017 **Submitted By:** LAURA VIESSELMAN (AUTH_RP)
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Title: Q217 FIRST SEMI-ANNUAL 2017 GROUNDWATER MONITORING REPORT 8/4/2017
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2589853107/T0600100333.PDF

Document Type: Site Documents **Size :**
Document Date: 6/7/2017 **Submitted By:** MARK DETTERMAN (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: WORK PLAN ADDENDUM
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100333&enforcement_id=6322292

Document Type: Monitoring Reports **Size :** 3,610 KB
Document Date: 7/1/2016 **Submitted By:** LAURA VIESSELMAN (AUTH_RP)
Type: MONITORING REPORT - ANNUALLY **Submitted:**
Title: Q216 SECOND QUARTER 2016 ANNUAL GROUNDWATER MONITORING REPORT 7/1/2016
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8997550666/T0600100333.PDF

Document Type: Site Documents **Size :**
Document Date: 5/13/2016 **Submitted By:** MARK DETTERMAN (REGULATOR)

Type: STAFF LETTER **Submitted:**
Title: REQUEST FOR OFFSITE PROPERTY ACCESS
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100333&enforcement_id=6284788

Document Type: Site Documents **Size :** 95 KB
Document Date: 10/16/2015 **Submitted By:** LAURA VIESSELMAN (AUTH_RP)
Type: CORRESPONDENCE **Submitted:**
Title: Q415 EXTENSION REQUEST LETTER 10/16/15
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6346075475/T0600100333.PDF

Document Type: Site Documents **Size :** 101 KB
Document Date: 7/13/2015 **Submitted By:** LAURA VIESSELMAN (AUTH_RP)
Type: CORRESPONDENCE **Submitted:**
Title: Q215 REQUEST FOR EXTENSION 7/13/2015
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8274862706/T0600100333.PDF

Document Type: Monitoring Reports **Size :** 3,897 KB
Document Date: 7/13/2015 **Submitted By:** LAURA VIESSELMAN (AUTH_RP)
Type: MONITORING REPORT - ANNUALLY **Submitted:**
Title: Q215 SECOND QUARTER 2015 ANNUAL GROUNDWATER MONITORING REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5850959539/T0600100333.PDF

Document Type: Site Documents **Size :**
Document Date: 4/24/2015 **Submitted By:** MARK DETTERMAN (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: EXTENSION APPROVAL
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100333&enforcement_id=6249038

Document Type: Site Documents **Size :** 93 KB
Document Date: 3/27/2015 **Submitted By:** LAURA VIESSELMAN (AUTH_RP)
Type: CORRESPONDENCE **Submitted:**
Title: Q115 REQUEST FOR EXTENSION 3/27/2015
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7060548901/T0600100333.PDF

Document Type: Site Documents **Size :**
Document Date: 1/29/2015 **Submitted By:** MARK DETTERMAN (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: EXTENSION APPROVAL
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100333&enforcement_id=6234817

Document Type: Site Documents **Size :** 102 KB
Document Date: 1/20/2015 **Submitted By:** LAURA VIESSELMAN (AUTH_RP)
Type: CORRESPONDENCE **Submitted:**
Title: Q115 REQUEST FOR EXTENSION 1/20/2015
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3560233414/T0600100333.PDF

Document Type: Site Documents **Size :** 74 KB
Document Date: 11/21/2014 **Submitted By:** LAURA VIESSELMAN (AUTH_RP)
Type: CORRESPONDENCE **Submitted:**
Title: Q414 EXTENSION REQUEST 11/21/2014
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9678382217/T0600100333.PDF

Document Type: Site Documents **Size :** 64 KB
Document Date: 8/19/2014 **Submitted By:** LAURA VIESSELMAN (AUTH_RP)
Type: CORRESPONDENCE **Submitted:**
Title: Q314 REQUEST FOR EXTENSION OF SOIL AND GW INVESTIGATION REPORT 8/19/2014
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8156089127/T0600100333.PDF

Document Type: Monitoring Reports **Size :** 5,614 KB
Document Date: 7/8/2014 **Submitted By:** LAURA VIESSELMAN (AUTH_RP)
Type: MONITORING REPORT - ANNUALLY **Submitted:**
Title: Q214 SECOND QUARTER 2014 ANNUAL GROUNDWATER MONITORING REPORT 7/8/2014
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4575507462/T0600100333.PDF

Document Type: Site Documents **Size :**
Document Date: 5/6/2014 **Submitted By:** MARK DETTERMAN (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: CONDITIONAL APPROVAL OF DATA GAP WORK PLAN
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100333&enforcement_id=6202288

Document Type: Site Documents **Size :** 5,463 KB
Document Date: 2/28/2014 **Submitted By:** LAURA VIESSELMAN (AUTH_RP)
Type: CONCEPTUAL SITE MODEL **Submitted:**
Title: Q114 SITE CONCEPTUAL MODEL AND DATA GAP WORK PLAN 2/28/2014
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2522300064/T0600100333.PDF

Document Type: Site Documents **Size :**
Document Date: 1/24/2014 **Submitted By:** MARK DETTERMAN (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: MEETING FOLLOWUP; DATA GAP WORK PLAN AND FOCUSED SCM
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100333&enforcement_id=6189780

Document Type: Monitoring Reports **Size :** 2,798 KB
Document Date: 6/26/2013 **Submitted By:** LAURA VIESSELMAN (AUTH_RP)
Type: MONITORING REPORT - ANNUALLY **Submitted:**
Title: Q213 SECOND QUARTER 2013 ANNUAL GROUNDWATER MONITORING REPORT 6/26/2013
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5678163051/T0600100333.PDF

Document Type: Site Documents **Size :**
Document Date: 10/17/2012 **Submitted By:** MARK DETTERMAN (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: WORK PLAN EXTENSION APPROVAL
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100333&enforcement_id=6164445

Document Type: Site Documents **Size :** 63 KB
Document Date: 10/3/2012 **Submitted By:** LAURA VIESSELMAN (AUTH_RP)
Type: CORRESPONDENCE **Submitted:**
Title: Q412 MOC LETTER 10/3/12
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5193546354/T0600100333.PDF

Document Type: Site Documents **Size :** 63 KB
Document Date: 10/3/2012 **Submitted By:** LAURA VIESSELMAN (AUTH_RP)
Type: CORRESPONDENCE **Submitted:**
Title: Q412 EXTENSION REQUEST LETTER 10/3/12
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8259236156/T0600100333.PDF

Document Type: Monitoring Reports **Size :** 3,086 KB
Document Date: 6/15/2012 **Submitted By:** GHD (CONTRACTOR)
Type: MONITORING REPORT - ANNUALLY **Submitted:**
Title: 2012 ANNUAL GROUNDWATER MONITORING REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9035739958/T0600100333.PDF

Document Type: Site Documents **Size :** 45 KB
Document Date: 5/29/2012 **Submitted By:** GHD (CONTRACTOR)
Type: CORRESPONDENCE **Submitted:**
Title: 94612 PROJECT MANAGEMENT CHANGE 05-15-2012
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2862889111/T0600100333.PDF

Document Type: Site Documents **Size :**
Document Date: 3/30/2012 **Submitted By:** MARK DETTERMAN (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: CONDITIONAL WP APPROVAL
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100333&enforcement_id=6117326

Document Type: Monitoring Reports **Size :** 3,074 KB
Document Date: 10/14/2011 **Submitted By:** GHD (CONTRACTOR)
Type: MONITORING REPORT - ANNUALLY **Submitted:**
Title: 2011 ANNUAL GROUNDWATER MONITORING REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6322234392/T0600100333.PDF

Document Type: Monitoring Reports **Size :** 1,936 KB
Document Date: 10/5/2011 **Submitted By:** DEANNA HARDING (CONTRACTOR)
Type: MONITORING REPORT - OTHER **Submitted:**
Title: 2011 SPECIAL EVENT 9-4612
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1143244445/T0600100333.PDF

Document Type: Site Documents **Size :** 3,925 KB
Document Date: 9/8/2011 **Submitted By:** GHD (CONTRACTOR)

Type: OTHER WORKPLAN **Submitted:**
Title: WORK PLAN FOR ADDITIONAL INVESTIGATION
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9884688615/T0600100333.PDF

Document Type: Site Documents **Size :**
Document Date: 6/30/2011 **Submitted By:** MARK DETTERMAN (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: DATA GAP WORK PLAN REQUEST
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100333&enforcement_id=6091088

Document Type: Monitoring Reports **Size :** 1,489 KB
Document Date: 9/16/2010 **Submitted By:** GHD (CONTRACTOR)
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Title: 9-4612 GETTLER RYAN 2010 2SA GW MONITORING REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5783246636/T0600100333.PDF

Document Type: Site Documents **Size :** 3,666 KB
Document Date: 5/12/2010 **Submitted By:** GHD (CONTRACTOR)
Type: SITE INVESTIGATION **Submitted:**
Title: 9-4612 SUBSURFACE AND SOIL VAPOR INVESTIGATION 8.25.08
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3135865569/T0600100333.PDF

Document Type: Monitoring Reports **Size :** 2,690 KB
Document Date: 3/22/2010 **Submitted By:** GHD (CONTRACTOR)
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Title: 9-4612-FIRST SEMI-ANNUAL 2010 GROUNDWATER MONITORING REPORT-2010-3-22
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9044195890/T0600100333.PDF

Document Type: Monitoring Reports **Size :** 946 KB
Document Date: 3/18/2010 **Submitted By:** DEANNA HARDING (CONTRACTOR)
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Title: 2010 1SA EVENT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4311972379/T0600100333.PDF

Document Type: Monitoring Reports **Size :** 2,473 KB
Document Date: 10/5/2009 **Submitted By:** GHD (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 9-4612-THIRD QUARTER 2009 GROUNDWATER MONITORING REPORT-2009-10-5
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2608468174/T0600100333.PDF

Document Type: Monitoring Reports **Size :** 1,074 KB
Document Date: 10/1/2009 **Submitted By:** DEANNA HARDING (CONTRACTOR)
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Title: 2009 2SA EVENT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2366182625/T0600100333.PDF

Document Type: Site Documents **Size :**
Document Date: 7/24/2009 **Submitted By:** MARK DETTERMAN (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: DIR_L_2009_07_24
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100333&enforcement_id=6024515

Document Type: Monitoring Reports **Size :** 1,509 KB
Document Date: 6/15/2009 **Submitted By:** DEANNA HARDING (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 2009 2QTR EVENT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8251558601/T0600100333.PDF

Document Type: Monitoring Reports **Size :** 2,598 KB
Document Date: 6/11/2009 **Submitted By:** GHD (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 9-4612 2Q09 GROUNDWATER MONITORING RPT 2009-6-11
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3647378385/T0600100333.PDF

Document Type: Monitoring Reports **Size :** 2,912 KB
Document Date: 3/18/2009 **Submitted By:** GHD (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 9-4612 1Q09 GW MONITORING RPT 2009-3-18
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6230648219/T0600100333.PDF

Document Type: Monitoring Reports **Size :** 1,446 KB
Document Date: 3/13/2009 **Submitted By:** DEANNA HARDING (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 2009 1QTR EVENT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7751561045/T0600100333.PDF

Document Type: Monitoring Reports **Size :** 3,795 KB
Document Date: 2/11/2009 **Submitted By:** GHD (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 9-4612 4Q08 GW MONITORING REPORT 2009-2-11
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4293221592/T0600100333.PDF

Document Type: Site Documents **Size :** 9,054 KB
Document Date: 2/2/2009 **Submitted By:** GHD (CONTRACTOR)
Type: REQUEST FOR CLOSURE **Submitted:**
Title: 9-4612 CASE CLOSURE REQUEST 2009-2-2
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9321152210/T0600100333.PDF

Document Type: Monitoring Reports **Size :** 1,640 KB
Document Date: 1/6/2009 **Submitted By:** DEANNA HARDING (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 2008 4QTR EVENT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4114593982/T0600100333.PDF

Document Type: Monitoring Reports **Size :** 2,866 KB
Document Date: 10/29/2008 **Submitted By:** GHD (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 9-4612-3Q08 SITE STATUS RPT 2008-10-29
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3931792318/T0600100333.PDF

Document Type: Monitoring Reports **Size :** 1,391 KB
Document Date: 10/14/2008 **Submitted By:** DEANNA HARDING (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 2008 3QTR EVENT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2974169671/T0600100333.PDF

Document Type: Monitoring Reports **Size :** 1,374 KB
Document Date: 6/24/2008 **Submitted By:** DEANNA HARDING (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 2008 2QTR REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6050382852/T0600100333.PDF

Document Type: Monitoring Reports **Size :** 1,440 KB
Document Date: 4/28/2008 **Submitted By:** DEANNA HARDING (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 2008 1QTR REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9002642571/T0600100333.PDF

Document Type: Monitoring Reports **Size :** 1,359 KB
Document Date: 2/13/2008 **Submitted By:** DEANNA HARDING (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 2007 4QTR REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6351256430/T0600100333.PDF

Document Type: Monitoring Reports **Size :** 1,311 KB
Document Date: 10/15/2007 **Submitted By:** DEANNA HARDING (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 2007 3QTR M&S REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2983412027/T0600100333.PDF

Document Type: Monitoring Reports **Size :** 1,282 KB
Document Date: 8/14/2007 **Submitted By:** DEANNA HARDING (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 2007 2QTR M&S REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4718427896/T0600100333.PDF

Document Type: Monitoring Reports **Size :** 1,252 KB
Document Date: 8/6/2007 **Submitted By:** DEANNA HARDING (CONTRACTOR)

Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 2007 1QTR M&S REPORT (REVISED)
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8223752677/T0600100333.PDF

Document Type: Site Documents **Size :** 1,341 KB
Document Date: 6/21/2007 **Submitted By:** GHD (CONTRACTOR)
Type: WORKPLANS - INVESTIGATION WP **Submitted:**
Title: 9-4612 SOIL VAPOR INVESTIGATION WP ADDENDUM 6-20-07
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1995426774/T0600100333.PDF

Document Type: Monitoring Reports **Size :** 1,307 KB
Document Date: 4/3/2007 **Submitted By:** DEANNA HARDING (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 1ST QTR GW M&S REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9381574869/T0600100333.PDF

Document Type: Site Documents **Size :** 933 KB
Document Date: 3/12/2007 **Submitted By:** GHD (CONTRACTOR)
Type: WORKPLANS - INVESTIGATION WP **Submitted:**
Title: 9-4612 SOIL VAPOR INVESTIGATION WP 3-12-07
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9866208732/T0600100333.PDF

Document Type: Monitoring Reports **Size :** 1,289 KB
Document Date: 1/17/2007 **Submitted By:** DEANNA HARDING (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 4Q06 MONITORING AND SAMPLING REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2841413199/T0600100333.PDF

Document Type: Monitoring Reports **Size :** 1,275 KB
Document Date: 10/11/2006 **Submitted By:** DEANNA HARDING (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 3Q06 MONITORING AND SAMPLING REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5364776432/T0600100333.PDF

Document Type: Monitoring Reports **Size :** 1,245 KB
Document Date: 7/18/2006 **Submitted By:** DEANNA HARDING (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 2Q06 MONITORING AND SAMPLING REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2358152091/T0600100333.PDF

Document Type: Monitoring Reports **Size :** 1,219 KB
Document Date: 4/24/2006 **Submitted By:** DEANNA HARDING (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 1Q06 MONITORING AND SAMPLING REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1605039834/T0600100333.PDF

Document Type: Monitoring Reports **Size :** 1,212 KB
Document Date: 1/23/2006 **Submitted By:** DEANNA HARDING (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 4Q05 MONITORING AND SAMPLING REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3922055900/T0600100333.PDF

Document Type: Monitoring Reports **Size :** 1,295 KB
Document Date: 10/7/2005 **Submitted By:** DEANNA HARDING (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 3Q05 MONITORING AND SAMPLING REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2713147819/T0600100333.PDF

Document Type: Monitoring Reports **Size :** 1,236 KB
Document Date: 8/4/2005 **Submitted By:** DEANNA HARDING (CONTRACTOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: 2Q05 MONITORING AND SAMPLING REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4593869864/T0600100333.PDF

Document Type: Site Documents **Size :** 1,223 KB
Document Date: 3/25/2005 **Submitted By:** DEANNA HARDING (CONTRACTOR)
Type: REPORTS - OTHER **Submitted:**
Title: 1Q05 MONITORING AND SAMPLING REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3370267570/T0600100333.PDF

Document Type: Site Documents
Size :
Document Date: 9/29/1995
Submitted By: MARK DETTERMAN (REGULATOR)
Type: SOIL AND WATER INVESTIGATION REPORT
Submitted:
Title: SOIL & GROUNDWATER INVESTIGATION
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100333&document_id=5773975

Document Type: Site Documents
Size :
Document Date: 4/12/1993
Submitted By: MARK DETTERMAN (REGULATOR)
Type: PRELIMINARY SITE ASSESSMENT REPORT
Submitted:
Title: PRELIMINARY SITE ASSESSMENT
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100333&document_id=5773974

115	1 of 2	SSW	0.49 / 2,570.60	12.55 / -25	SIGNATURE PROPERTIES 303 & 315 DERBY AVENUE OAKLAND CA 94601	DEED

Facility ID: SL600192789
Site Type: SLIC
Status: OPEN - SITE ASSESSMENT
Cleanup Status Detail: OPEN - SITE ASSESSMENT AS OF 12/19/2011
Additional Site Type:
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Report Link: http://geotracker.waterboards.ca.gov/profile_report?global_id=SL600192789
Cleanup History Link: http://geotracker.waterboards.ca.gov/profile_report_include?global_id=SL600192789&tabname=regulatoryhistory
Future LU Rprtd Closure:
Additional Site URL:
Additional Site Name:
Potential Media Affected: INDOOR AIR, OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER), SOIL, SOIL VAPOR, SURFACE WATER
Potential Contaminants: BENZENE, METALS/HEAVY METALS, PETROLEUM - AUTOMOTIVE GASOLINES, PETROLEUM - DIESEL FUELS, VOLATILE ORGANIC COMPOUNDS (VOC)
Beneficial Use: SW - INDUSTRIAL PROCESS SUPPLY, SW - MARINE HABITAT, SW - MIGRATION OF AQUATIC ORGANISMS, SW - NAVIGATION, SW - RARE, THREATENED, OR ENDANGERED SPECIES, SW - SHELLFISH HARVESTING, SW - SPAWNING, REPRODUCTION, AND/OR EARLY DEVELOPMENT, SW - WILDLIFE HABITAT
Post Closure Site Mgmt Req: ACTIVITIES PROHIBITED WHICH DISTURB THE REMEDY AND MONITORING SYSTEMS WITHOUT APPROVAL; MAINTAIN MONITORING OF GROUNDWATER; NO EXCAVATION OF CONTAMINATED SOILS WITHOUT AGENCY REVIEW AND APPROVAL; NO GROUNDWATER EXTRACTION AT ANY DEPTH WITHOUT APPROVAL; NOTIFY DAMAGES TO REMEDY AND MONITORING SYSTEMS UPON DISCOVERY; NOTIFY PRIOR TO SUBSURFACE WORK
Designated Beneficial Use: MUN, AGR, IND, PROC
Beneficial Use Description: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
File Location: REGIONAL BOARD ----
County: ALAMEDA
DWR Grndwtr Sub Basin: Santa Clara Valley - East Bay Plain (2-009.04)
RB Watershed: South Bay - East Bay Cities (204.20)
GeoTracker Street No: 303 & 315
GeoTracker Street Name: Derby Avenue
GeoTracker City: Oakland
GeoTracker Latitude: 37.7714
GeoTracker Longitude: -122.2333
Date Recorded: 11/29/2004
Site History:

This site is next to the Oakland Estuary in Oakland and is occupied by residential townhomes. From 1925 to 1980, Shell Oil owned and operated a bulk fuel distribution terminal at the site. Simmons Terminal Corporation purchased the property and continued these operations from 1980 to 1985. From 1985 to 2003, the site was used for heavy equipment and salvaged building material storage. In June 2003, Signature at the Estuary, LLC, purchased the property and began development of a 100-unit residential townhouse complex. As part of its development work, Signature removed remaining infrastructure related to the fuel terminal, excavated and disposed of contaminated soil, and implemented groundwater cleanup by injecting an oxygen-releasing compound into the main excavation and a grid of injection wells.

Investigations conducted as early as 1982 have identified petroleum-related contamination in groundwater beneath the site, including floating product on the groundwater surface. The main chemicals identified include total petroleum hydrocarbons (as gasoline and diesel) and benzene. In 2004, the Board adopted the final Site Cleanup Requirements Order R2-2004-0046, which named Signature at the Estuary, LLC, as the discharger because it owned the property at the time and planned to redevelop the property. While most cleanup tasks have been completed, two issues remain: potential for vapor intrusion into the townhomes and a small petroleum sheen at one shoreline location. In 2010, Signature at the Estuary, LLC, informed Board staff it does not have the financial capacity to fulfill the remaining obligations under the Order. Shell Oil and Signature Properties, Inc. were added as responsible

parties in an amendment of the Order R2-2011-0038.

Deed Restrictions

Covenant Doc Link: http://geotracker.waterboards.ca.govview_documents?cmd=radocuments&global_id=SL600192789&enforcement_id=5992110
Date Recorded: 11/29/2004
Site Management Requirements: ACTIVITIES PROHIBITED WHICH DISTURB THE REMEDY AND MONITORING SYSTEMS WITHOUT APPROVAL, MAINTAIN MONITORING OF GROUNDWATER, NO EXCAVATION OF CONTAMINATED SOILS WITHOUT AGENCY REVIEW AND APPROVAL, NO GROUNDWATER EXTRACTION AT ANY DEPTH WITHOUT APPROVAL, NOTIFY DAMAGES TO REMEDY AND MONITORING SYSTEMS UPON DISCOVERY, NOTIFY PRIOR TO SUBSURFACE WORK

Cleanup Actions

Action Type: EXCAVATION
Begin Date: 9/16/2003
End Date: 12/2/2003
Phase: Soil, Water
Contaminant Mass Removed:
Description: Multiple overexcavations, including removal of 2 undocumented USTs; excavation water sent to sanitary sewer. Contaminant mass not recorded.

Action Type: EX SITU PHYSICAL/CHEMICAL TREATMENT (OTHER THAN P&T, SVE, OR EXCAVATION)
Begin Date: 4/1/1997
End Date: 6/30/2003
Phase: Water
Contaminant Mass Removed:
Description: Oxygen-release compound (ORC) placed into 3 monitoring wells in 1997 and 1999, into 15 borings in 1999, into 50 borings in March 2003, and 5 borings in June 2003. Injection volume noted as treated volume.

Action Type: EXCAVATION
Begin Date: 2/1/1993
End Date: 2/28/1993
Phase: Soil
Contaminant Mass Removed:
Description: Overexcavation associated with removal of 2 USTs at 2901 Glascock Street. Volume and contaminant mass removed not recorded. Dates are estimated (February 1993).

115	2 of 2	SSW	0.49 / 2,570.60	12.55 / -25	SIGNATURE PROPERTIES 303 & 315 DERBY AVENUE OAKLAND CA 94601	CLEANUP SITES

Global ID: SL600192789
Status: OPEN - SITE ASSESSMENT
Status Date: 2011-12-19 00:00:00
Site Code:
Data Source: Cleanup Program Sites from GeoTracker Search; Cleanup Sites from GeoTracker Cleanup Sites Data Download
Site Facility Type: CLEANUP PROGRAM SITE
County: ALAMEDA
Latitude: 37.7714
Longitude: -122.2333

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case Number: 01S0576
Local Case Number:
Begin Date: 1982-01-01 00:00:00
Stop Method: Change Operating Procedures, Close and Remove Tank
CUF Case: NO
Case Worker: CSF
File Location: Regional Board
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Local Agency:
Potential COC: Benzene, * Metals/Heavy Metals, * Petroleum - Automotive gasolines, * Petroleum - Diesel fuels, * Volatile Organic Compounds (VOC)
Potential Media of Concern: Indoor Air, Other Groundwater (uses other than drinking water), Soil, Soil Vapor, Surface water
How Discovered: Site Assessment/Site Investigation
How Discovered Description: Releases from former bulk fuel distribution terminal.
Stop Description: Change of property use from bulk fuel distribution to equipment/materials storage in August 1985.

Calwater Watershed Name: South Bay - East Bay Cities (204.20)
DWR GW Subbasin Name: Santa Clara Valley - East Bay Plain (2-009.04)
Disadvantaged Community:
Site History:

This site is next to the Oakland Estuary in Oakland and is occupied by residential townhomes. From 1925 to 1980, Shell Oil owned and operated a bulk fuel distribution terminal at the site. Simmons Terminal Corporation purchased the property and continued these operations from 1980 to 1985. From 1985 to 2003, the site was used for heavy equipment and salvaged building material storage. In June 2003, Signature at the Estuary, LLC, purchased the property and began development of a 100-unit residential townhouse complex. As part of its development work, Signature removed remaining infrastructure related to the fuel terminal, excavated and disposed of contaminated soil, and implemented groundwater cleanup by injecting an oxygen-releasing compound into the main excavation and a grid of injection wells. Investigations conducted as early as 1982 have identified petroleum-related contamination in groundwater beneath the site, including floating product on the groundwater surface. The main chemicals identified include total petroleum hydrocarbons (as gasoline and diesel) and benzene. In 2004, the Board adopted the final Site Cleanup Requirements Order R2-2004-0046, which named Signature at the Estuary, LLC, as the discharger because it owned the property at the time and planned to redevelop the property. While most cleanup tasks have been completed, two issues remain: potential for vapor intrusion into the townhomes and a small petroleum sheen at one shoreline location. In 2010, Signature at the Estuary, LLC, informed Board staff it does not have the financial capacity to fulfill the remaining obligations under the Order. Shell Oil and Signature Properties, Inc. were added as responsible parties in an amendment of the Order R2-2011-0038.

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Acitivity

Action Type: RESPONSE
Date : 2019-03-14 00:00:00
Action: Correspondence

Action Type: RESPONSE
Date : 2018-10-22 00:00:00
Action: Settlement Agreement

Action Type: ENFORCEMENT
Date : 2018-06-30 00:00:00
Action: Annual Estimation Letter

Action Type: ENFORCEMENT
Date : 2018-01-14 00:00:00
Action: Meeting

Action Type: ENFORCEMENT
Date : 2018-01-04 00:00:00
Action: Meeting

Action Type: RESPONSE
Date : 2017-12-25 00:00:00
Action: Correspondence - Regulator Responded

Action Type: ENFORCEMENT
Date : 2017-12-01 00:00:00
Action: Meeting

Action Type: ENFORCEMENT
Date : 2017-11-08 00:00:00
Action: Technical Correspondence / Assistance / Other

Action Type: ENFORCEMENT
Date : 2017-09-13 00:00:00
Action: Meeting

Action Type: ENFORCEMENT
Date : 2017-08-28 00:00:00
Action: Meeting

Action Type: ENFORCEMENT
Date : 2017-06-30 00:00:00
Action: Annual Estimation Letter

Action Type: ENFORCEMENT
Date : 2017-03-13 00:00:00
Action: Staff Letter

Action Type: ENFORCEMENT
Date : 2016-06-30 00:00:00
Action: Annual Estimation Letter - #01S0576

Action Type: ENFORCEMENT
Date : 2015-12-17 00:00:00
Action: Technical Correspondence / Assistance / Other

Action Type: ENFORCEMENT
Date : 2015-10-26 00:00:00
Action: Technical Correspondence / Assistance / Other

Action Type: ENFORCEMENT
Date : 2015-09-02 00:00:00
Action: Site Visit / Inspection / Sampling

Action Type: ENFORCEMENT
Date : 2015-07-15 00:00:00
Action: Annual Estimation Letter - #01S0576

Action Type: ENFORCEMENT
Date : 2015-07-10 00:00:00
Action: 13267 Requirement

Action Type: ENFORCEMENT
Date : 2015-06-15 00:00:00
Action: Site Visit / Inspection / Sampling

Action Type: ENFORCEMENT
Date : 2015-05-13 00:00:00
Action: Site Visit / Inspection / Sampling

Action Type: ENFORCEMENT
Date : 2015-03-25 00:00:00
Action: Meeting

Action Type: ENFORCEMENT
Date : 2015-03-04 00:00:00
Action: Site Visit / Inspection / Sampling

Action Type: ENFORCEMENT
Date : 2015-01-28 00:00:00
Action: 13267 Requirement

Action Type: ENFORCEMENT
Date : 2014-11-13 00:00:00
Action: Meeting

Action Type: RESPONSE
Date : 2014-10-09 00:00:00
Action: Correspondence

Action Type: ENFORCEMENT
Date : 2014-08-20 00:00:00
Action: Site Visit / Inspection / Sampling

Action Type: ENFORCEMENT
Date : 2014-08-19 00:00:00
Action: Meeting

Action Type: ENFORCEMENT
Date : 2014-08-18 00:00:00
Action: Site Visit / Inspection / Sampling

Action Type: ENFORCEMENT
Date : 2014-07-22 00:00:00
Action: Cost Recovery Agreement / N. of Reimbursement

Action Type: ENFORCEMENT
Date : 2014-07-11 00:00:00
Action: 13267 Requirement

Action Type: ENFORCEMENT
Date : 2014-06-17 00:00:00
Action: Technical Correspondence / Assistance / Other

Action Type: ENFORCEMENT
Date : 2014-04-10 00:00:00
Action: Technical Correspondence / Assistance / Other

Action Type: ENFORCEMENT
Date : 2014-02-26 00:00:00
Action: Meeting

Action Type: ENFORCEMENT
Date : 2014-01-27 00:00:00
Action: Meeting

Action Type: ENFORCEMENT
Date : 2013-10-04 00:00:00
Action: Staff Letter

Action Type: ENFORCEMENT
Date : 2013-09-27 00:00:00
Action: Site Visit / Inspection / Sampling

Action Type: ENFORCEMENT
Date : 2013-07-01 00:00:00
Action: Cost Recovery Agreement / N. of Reimbursement

Action Type: ENFORCEMENT
Date : 2013-04-02 00:00:00
Action: Site Visit / Inspection / Sampling

Action Type: ENFORCEMENT
Date : 2013-03-22 00:00:00
Action: 13267 Requirement

Action Type: RESPONSE
Date : 2012-11-30 00:00:00
Action: Site Assessment Report

Action Type: ENFORCEMENT
Date : 2012-11-28 00:00:00
Action: Meeting

Action Type: ENFORCEMENT
Date : 2012-10-08 00:00:00
Action: Meeting

Action Type: ENFORCEMENT
Date : 2012-09-14 00:00:00
Action: Site Visit / Inspection / Sampling

Action Type: RESPONSE
Date : 2012-08-24 00:00:00
Action: Site Investigation Workplan

Action Type: ENFORCEMENT
Date : 2012-08-23 00:00:00
Action: Technical Correspondence / Assistance / Other

Action Type: ENFORCEMENT
Date : 2012-07-31 00:00:00
Action: Site Visit / Inspection / Sampling

Action Type: ENFORCEMENT

Date : 2012-06-18 00:00:00
Action: Meeting

Action Type: ENFORCEMENT
Date : 2012-05-24 00:00:00
Action: Site Visit / Inspection / Sampling

Action Type: ENFORCEMENT
Date : 2012-05-14 00:00:00
Action: Staff Letter

Action Type: ENFORCEMENT
Date : 2011-11-21 00:00:00
Action: Site Visit / Inspection / Sampling

Action Type: ENFORCEMENT
Date : 2011-10-26 00:00:00
Action: Site Visit / Inspection / Sampling

Action Type: ENFORCEMENT
Date : 2011-09-20 00:00:00
Action: Cost Recovery Agreement / N. of Reimbursement

Action Type: ENFORCEMENT
Date : 2011-09-19 00:00:00
Action: Cost Recovery Agreement / N. of Reimbursement

Action Type: ENFORCEMENT
Date : 2011-09-01 00:00:00
Action: Meeting

Action Type: RESPONSE
Date : 2011-06-08 00:00:00
Action: Other Report / Document

Action Type: ENFORCEMENT
Date : 2011-06-08 00:00:00
Action: Notice of Public Hearing / Board Action

Action Type: ENFORCEMENT
Date : 2011-06-08 00:00:00
Action: Amendment to Order

Action Type: RESPONSE
Date : 2011-05-25 00:00:00
Action: Other Report / Document

Action Type: RESPONSE
Date : 2011-05-12 00:00:00
Action: Correspondence

Action Type: ENFORCEMENT
Date : 2011-05-10 00:00:00
Action: Technical Correspondence / Assistance / Other

Action Type: RESPONSE
Date : 2011-05-06 00:00:00
Action: Correspondence

Action Type: RESPONSE
Date : 2011-04-25 00:00:00
Action: Other Report / Document

Action Type: ENFORCEMENT
Date : 2011-04-08 00:00:00
Action: Staff Letter

Action Type: ENFORCEMENT
Date : 2011-04-04 00:00:00

Action: Notice of Violation

Action Type: RESPONSE
Date : 2011-03-18 00:00:00
Action: Correspondence

Action Type: ENFORCEMENT
Date : 2011-01-07 00:00:00
Action: Notice of Violation

Action Type: RESPONSE
Date : 2010-11-03 00:00:00
Action: Monitoring Report - Quarterly

Action Type: ENFORCEMENT
Date : 2010-11-01 00:00:00
Action: Staff Letter

Action Type: ENFORCEMENT
Date : 2010-10-07 00:00:00
Action: 13267 Requirement

Action Type: ENFORCEMENT
Date : 2010-09-30 00:00:00
Action: Meeting

Action Type: RESPONSE
Date : 2010-08-03 00:00:00
Action: Monitoring Report - Quarterly

Action Type: ENFORCEMENT
Date : 2010-06-10 00:00:00
Action: Meeting

Action Type: RESPONSE
Date : 2010-06-07 00:00:00
Action: Pilot Study / Treatability Workplan

Action Type: ENFORCEMENT
Date : 2010-05-11 00:00:00
Action: Meeting

Action Type: ENFORCEMENT
Date : 2010-05-06 00:00:00
Action: Site Visit / Inspection / Sampling

Action Type: ENFORCEMENT
Date : 2010-04-15 00:00:00
Action: Meeting

Action Type: ENFORCEMENT
Date : 2010-04-08 00:00:00
Action: Site Visit / Inspection / Sampling

Action Type: RESPONSE
Date : 2010-04-01 00:00:00
Action: Monitoring Report - Quarterly

Action Type: ENFORCEMENT
Date : 2010-03-03 00:00:00
Action: Meeting

Action Type: RESPONSE
Date : 2010-02-15 00:00:00
Action: Other Report / Document

Action Type: RESPONSE
Date : 2010-02-15 00:00:00
Action: Site Investigation Workplan

Action Type: RESPONSE
Date : 2010-02-01 00:00:00
Action: Monitoring Report - Quarterly

Action Type: ENFORCEMENT
Date : 2010-01-12 00:00:00
Action: Meeting

Action Type: RESPONSE
Date : 2010-01-10 00:00:00
Action: Monitoring Report - Quarterly

Action Type: ENFORCEMENT
Date : 2010-01-07 00:00:00
Action: 13267 Requirement

Action Type: RESPONSE
Date : 2009-12-04 00:00:00
Action: Correspondence

Action Type: RESPONSE
Date : 2009-12-02 00:00:00
Action: Correspondence

Action Type: ENFORCEMENT
Date : 2009-11-19 00:00:00
Action: Meeting

Action Type: ENFORCEMENT
Date : 2009-10-30 00:00:00
Action: Meeting

Action Type: ENFORCEMENT
Date : 2009-10-21 00:00:00
Action: Meeting

Action Type: ENFORCEMENT
Date : 2009-10-12 00:00:00
Action: Meeting

Action Type: RESPONSE
Date : 2009-10-01 00:00:00
Action: Monitoring Report - Quarterly

Action Type: ENFORCEMENT
Date : 2009-09-30 00:00:00
Action: Site Visit / Inspection / Sampling

Action Type: ENFORCEMENT
Date : 2009-09-02 00:00:00
Action: Technical Correspondence / Assistance / Other

Action Type: RESPONSE
Date : 2009-09-01 00:00:00
Action: Other Report / Document

Action Type: RESPONSE
Date : 2009-08-03 00:00:00
Action: Monitoring Report - Quarterly

Action Type: RESPONSE
Date : 2009-07-02 00:00:00
Action: Other Report / Document

Action Type: RESPONSE
Date : 2009-07-02 00:00:00
Action: Site Assessment Report

Action Type: RESPONSE
Date : 2009-06-25 00:00:00
Action: Fact Sheets - Public Participation

Action Type: ENFORCEMENT
Date : 2009-06-16 00:00:00
Action: Technical Correspondence / Assistance / Other

Action Type: RESPONSE
Date : 2009-06-04 00:00:00
Action: Other Report / Document

Action Type: RESPONSE
Date : 2009-05-18 00:00:00
Action: Pilot Study / Treatability Workplan

Action Type: RESPONSE
Date : 2009-05-13 00:00:00
Action: Pilot Study / Treatability Workplan

Action Type: RESPONSE
Date : 2009-05-04 00:00:00
Action: Correspondence

Action Type: RESPONSE
Date : 2009-05-01 00:00:00
Action: Monitoring Report - Quarterly

Action Type: ENFORCEMENT
Date : 2009-04-16 00:00:00
Action: Meeting

Action Type: RESPONSE
Date : 2009-04-01 00:00:00
Action: Monitoring Report - Quarterly

Action Type: ENFORCEMENT
Date : 2009-03-17 00:00:00
Action: Site Visit / Inspection / Sampling

Action Type: RESPONSE
Date : 2009-03-16 00:00:00
Action: Pilot Study / Treatability Workplan

Action Type: RESPONSE
Date : 2009-03-15 00:00:00
Action: Pilot Study/ Treatability Report

Action Type: RESPONSE
Date : 2009-03-13 00:00:00
Action: Conceptual Site Model

Action Type: RESPONSE
Date : 2009-03-13 00:00:00
Action: Other Report / Document

Action Type: RESPONSE
Date : 2009-03-13 00:00:00
Action: Pilot Study / Treatability Workplan

Action Type: ENFORCEMENT
Date : 2009-03-12 00:00:00
Action: Site Visit / Inspection / Sampling

Action Type: RESPONSE
Date : 2009-03-02 00:00:00
Action: Correspondence

Action Type: RESPONSE

Date : 2009-02-27 00:00:00
Action: Correspondence

Action Type: RESPONSE
Date : 2009-02-27 00:00:00
Action: Fact Sheets - Public Participation

Action Type: RESPONSE
Date : 2009-02-20 00:00:00
Action: Pilot Study / Treatability Workplan

Action Type: RESPONSE
Date : 2009-02-03 00:00:00
Action: Monitoring Report - Quarterly

Action Type: ENFORCEMENT
Date : 2009-01-23 00:00:00
Action: Meeting

Action Type: ENFORCEMENT
Date : 2009-01-23 00:00:00
Action: Technical Correspondence / Assistance / Other

Action Type: RESPONSE
Date : 2009-01-01 00:00:00
Action: Monitoring Report - Quarterly

Action Type: ENFORCEMENT
Date : 2008-12-16 00:00:00
Action: Notice to Comply

Action Type: RESPONSE
Date : 2008-11-06 00:00:00
Action: Correspondence

Action Type: ENFORCEMENT
Date : 2008-11-04 00:00:00
Action: Meeting

Action Type: RESPONSE
Date : 2008-11-02 00:00:00
Action: Monitoring Report - Quarterly

Action Type: ENFORCEMENT
Date : 2008-10-27 00:00:00
Action: Technical Correspondence / Assistance / Other

Action Type: ENFORCEMENT
Date : 2008-10-24 00:00:00
Action: Technical Correspondence / Assistance / Other

Action Type: ENFORCEMENT
Date : 2008-10-22 00:00:00
Action: Technical Correspondence / Assistance / Other

Action Type: RESPONSE
Date : 2008-10-17 00:00:00
Action: Progress Report (Soil/GW/ Updates)

Action Type: RESPONSE
Date : 2008-09-30 00:00:00
Action: Other Report / Document

Action Type: ENFORCEMENT
Date : 2008-09-30 00:00:00
Action: Meeting

Action Type: RESPONSE
Date : 2008-09-15 00:00:00

Action: Other Report / Document

Action Type: ENFORCEMENT
Date : 2008-09-09 00:00:00
Action: Meeting

Action Type: ENFORCEMENT
Date : 2008-08-04 00:00:00
Action: Site Visit / Inspection / Sampling

Action Type: RESPONSE
Date : 2008-08-01 00:00:00
Action: Monitoring Report - Quarterly

Action Type: ENFORCEMENT
Date : 2008-07-15 00:00:00
Action: Site Visit / Inspection / Sampling

Action Type: RESPONSE
Date : 2008-07-01 00:00:00
Action: Monitoring Report - Quarterly

Action Type: ENFORCEMENT
Date : 2008-06-11 00:00:00
Action: 13267 Requirement

Action Type: RESPONSE
Date : 2008-05-09 00:00:00
Action: Soil Vapor Intrusion Investigation Workplan

Action Type: RESPONSE
Date : 2008-05-01 00:00:00
Action: Monitoring Report - Quarterly

Action Type: RESPONSE
Date : 2008-04-30 00:00:00
Action: Soil and Water Investigation Report

Action Type: RESPONSE
Date : 2008-02-01 00:00:00
Action: Monitoring Report - Quarterly

Action Type: RESPONSE
Date : 2007-08-24 00:00:00
Action: Monitoring Report - Quarterly

Action Type: RESPONSE
Date : 2007-08-02 00:00:00
Action: Monitoring Report - Quarterly

Action Type: RESPONSE
Date : 2007-05-07 00:00:00
Action: Monitoring Report - Quarterly

Action Type: RESPONSE
Date : 2007-01-23 00:00:00
Action: Monitoring Report - Quarterly

Action Type: RESPONSE
Date : 2007-01-01 00:00:00
Action: Other Report / Document

Action Type: RESPONSE
Date : 2006-12-21 00:00:00
Action: Other Report / Document

Action Type: RESPONSE
Date : 2006-10-19 00:00:00
Action: Monitoring Report - Quarterly

Action Type: RESPONSE
Date : 2006-09-22 00:00:00
Action: Soil Vapor Intrusion Investigation Workplan

Action Type: RESPONSE
Date : 2006-09-20 00:00:00
Action: Other Workplan

Action Type: RESPONSE
Date : 2006-09-11 00:00:00
Action: Soil Vapor Intrusion Investigation Workplan

Action Type: RESPONSE
Date : 2006-08-08 00:00:00
Action: Monitoring Report - Quarterly

Action Type: ENFORCEMENT
Date : 2006-04-10 00:00:00
Action: Clean Up Fund - Letter to RP

Action Type: RESPONSE
Date : 2006-03-07 00:00:00
Action: Monitoring Report - Quarterly

Action Type: RESPONSE
Date : 2005-11-23 00:00:00
Action: Monitoring Report - Quarterly

Action Type: RESPONSE
Date : 2005-08-09 00:00:00
Action: Monitoring Report - Quarterly

Action Type: RESPONSE
Date : 2005-05-04 00:00:00
Action: Monitoring Report - Quarterly

Action Type: RESPONSE
Date : 2005-01-20 00:00:00
Action: Other Report / Document

Action Type: RESPONSE
Date : 2005-01-05 00:00:00
Action: Monitoring Report - Quarterly

Action Type: ENFORCEMENT
Date : 2004-12-08 00:00:00
Action: Amendment to Order

Action Type: ENFORCEMENT
Date : 2004-12-07 00:00:00
Action: Clean-up and Abatement Order

Action Type: RESPONSE
Date : 2004-11-29 00:00:00
Action: Other Report / Document

Action Type: ENFORCEMENT
Date : 2004-11-29 00:00:00
Action: Deed Restriction / Land Use Restriction / Covenant

Action Type: ENFORCEMENT
Date : 2004-11-10 00:00:00
Action: Amendment to Order

Action Type: RESPONSE
Date : 2004-11-08 00:00:00
Action: Other Report / Document

Action Type: RESPONSE
Date : 2004-11-05 00:00:00
Action: Soil Vapor Intrusion Investigation Report

Action Type: RESPONSE
Date : 2004-11-03 00:00:00
Action: Other Report / Document

Action Type: ENFORCEMENT
Date : 2004-11-01 00:00:00
Action: Letter - Notice

Action Type: RESPONSE
Date : 2004-10-21 00:00:00
Action: Other Workplan

Action Type: ENFORCEMENT
Date : 2004-09-23 00:00:00
Action: Closure/No Further Action Letter

Action Type: RESPONSE
Date : 2004-09-15 00:00:00
Action: Soil and Water Investigation Report

Action Type: RESPONSE
Date : 2004-09-15 00:00:00
Action: Other Workplan

Action Type: RESPONSE
Date : 2004-09-08 00:00:00
Action: Remedial Investigation Report

Action Type: RESPONSE
Date : 2004-07-09 00:00:00
Action: Other Workplan

Action Type: RESPONSE
Date : 2004-07-08 00:00:00
Action: Other Workplan

Action Type: ENFORCEMENT
Date : 2004-06-24 00:00:00
Action: Staff Letter

Action Type: ENFORCEMENT
Date : 2004-06-23 00:00:00
Action: Letter - Notice

Action Type: ENFORCEMENT
Date : 2004-06-16 00:00:00
Action: Clean-up and Abatement Order

Action Type: ENFORCEMENT
Date : 2004-06-16 00:00:00
Action: Notice of Public Hearing / Board Action - #

Action Type: ENFORCEMENT
Date : 2004-05-28 00:00:00
Action: Staff Letter

Action Type: RESPONSE
Date : 2004-05-19 00:00:00
Action: Correspondence

Action Type: ENFORCEMENT
Date : 2004-05-14 00:00:00
Action: Notice of Public Hearing / Board Action

Action Type: ENFORCEMENT

Date : 2004-05-13 00:00:00
Action: Technical Correspondence / Assistance / Other

Action Type: RESPONSE
Date : 2004-05-03 00:00:00
Action: Remedial Investigation Report

Action Type: RESPONSE
Date : 2004-05-03 00:00:00
Action: Request for Closure

Action Type: RESPONSE
Date : 2004-05-03 00:00:00
Action: Other Report / Document

Action Type: RESPONSE
Date : 2004-04-30 00:00:00
Action: Other Report / Document

Action Type: RESPONSE
Date : 2004-04-21 00:00:00
Action: Soil and Water Investigation Report

Action Type: RESPONSE
Date : 2004-04-05 00:00:00
Action: Correspondence

Action Type: ENFORCEMENT
Date : 2004-03-22 00:00:00
Action: Clean Up Fund - Letter to RP

Action Type: ENFORCEMENT
Date : 2004-03-12 00:00:00
Action: File review

Action Type: RESPONSE
Date : 2004-03-04 00:00:00
Action: Soil and Water Investigation Report

Action Type: ENFORCEMENT
Date : 2004-03-01 00:00:00
Action: File review

Action Type: RESPONSE
Date : 2004-02-11 00:00:00
Action: Soil and Water Investigation Report

Action Type: RESPONSE
Date : 2004-02-03 00:00:00
Action: Email Correspondence

Action Type: ENFORCEMENT
Date : 2004-02-02 00:00:00
Action: File review

Action Type: RESPONSE
Date : 2004-01-27 00:00:00
Action: Correspondence

Action Type: RESPONSE
Date : 2004-01-14 00:00:00
Action: Soil and Water Investigation Report

Action Type: RESPONSE
Date : 2004-01-09 00:00:00
Action: Remedial Action Complete

Action Type: RESPONSE
Date : 2004-01-06 00:00:00

Action: Other Report / Document

Action Type: ENFORCEMENT
Date : 2003-12-29 00:00:00
Action: Staff Letter

Action Type: RESPONSE
Date : 2003-12-23 00:00:00
Action: Soil and Water Investigation Workplan - Addendum

Action Type: ENFORCEMENT
Date : 2003-12-10 00:00:00
Action: Meeting

Action Type: RESPONSE
Date : 2003-11-21 00:00:00
Action: Correspondence

Action Type: RESPONSE
Date : 2003-11-04 00:00:00
Action: Other Report / Document

Action Type: RESPONSE
Date : 2003-11-03 00:00:00
Action: Email Correspondence

Action Type: ENFORCEMENT
Date : 2003-11-01 00:00:00
Action: Notice of Public Hearing / Board Action

Action Type: RESPONSE
Date : 2003-10-31 00:00:00
Action: Soil and Water Investigation Workplan

Action Type: RESPONSE
Date : 2003-10-24 00:00:00
Action: Correspondence

Action Type: RESPONSE
Date : 2003-10-20 00:00:00
Action: Correspondence

Action Type: ENFORCEMENT
Date : 2003-10-15 00:00:00
Action: Technical Correspondence / Assistance / Other

Action Type: RESPONSE
Date : 2003-10-14 00:00:00
Action: Other Report / Document

Action Type: RESPONSE
Date : 2003-10-10 00:00:00
Action: Corrective Action Plan / Remedial Action Plan - Addendum

Action Type: RESPONSE
Date : 2003-10-09 00:00:00
Action: Correspondence

Action Type: RESPONSE
Date : 2003-10-08 00:00:00
Action: Corrective Action Plan / Remedial Action Plan - Addendum

Action Type: RESPONSE
Date : 2003-10-08 00:00:00
Action: Other Workplan

Action Type: RESPONSE
Date : 2003-10-08 00:00:00
Action: Corrective Action Plan / Remedial Action Plan

Action Type: RESPONSE
Date : 2003-10-01 00:00:00
Action: Correspondence

Action Type: RESPONSE
Date : 2003-09-26 00:00:00
Action: Soil and Water Investigation Workplan

Action Type: RESPONSE
Date : 2003-09-24 00:00:00
Action: Other Workplan

Action Type: RESPONSE
Date : 2003-09-24 00:00:00
Action: Other Report / Document

Action Type: RESPONSE
Date : 2003-09-21 00:00:00
Action: Correspondence

Action Type: RESPONSE
Date : 2003-09-17 00:00:00
Action: Correspondence

Action Type: REMEDIATION
Date : 2003-09-16 00:00:00
Action: Excavation

Action Type: RESPONSE
Date : 2003-09-16 00:00:00
Action: Correspondence

Action Type: ENFORCEMENT
Date : 2003-09-12 00:00:00
Action: Notice of Public Hearing / Board Action

Action Type: RESPONSE
Date : 2003-09-12 00:00:00
Action: Other Report / Document

Action Type: ENFORCEMENT
Date : 2003-09-05 00:00:00
Action: Notice of Public Hearing / Board Action

Action Type: RESPONSE
Date : 2003-08-15 00:00:00
Action: Soil and Water Investigation Report

Action Type: RESPONSE
Date : 2003-08-15 00:00:00
Action: Site Assessment Report

Action Type: RESPONSE
Date : 2003-08-14 00:00:00
Action: Other Report / Document

Action Type: RESPONSE
Date : 2003-08-08 00:00:00
Action: Email Correspondence

Action Type: ENFORCEMENT
Date : 2003-07-29 00:00:00
Action: Technical Correspondence / Assistance / Other

Action Type: RESPONSE
Date : 2003-07-25 00:00:00
Action: Monitoring Report - Quarterly

Action Type: RESPONSE
Date : 2003-06-23 00:00:00
Action: Correspondence

Action Type: ENFORCEMENT
Date : 2003-06-10 00:00:00
Action: Letter - Notice

Action Type: RESPONSE
Date : 2003-05-29 00:00:00
Action: Other Report / Document

Action Type: ENFORCEMENT
Date : 2003-05-15 00:00:00
Action: Notice of Public Hearing / Board Action

Action Type: ENFORCEMENT
Date : 2003-05-09 00:00:00
Action: Notice of Public Hearing / Board Action

Action Type: ENFORCEMENT
Date : 2003-05-02 00:00:00
Action: Notice of Public Hearing / Board Action

Action Type: RESPONSE
Date : 2003-05-02 00:00:00
Action: Monitoring Report - Quarterly

Action Type: RESPONSE
Date : 2003-04-23 00:00:00
Action: Request for Closure

Action Type: RESPONSE
Date : 2003-04-23 00:00:00
Action: Other Report / Document

Action Type: ENFORCEMENT
Date : 2003-03-10 00:00:00
Action: Notice of Public Hearing / Board Action

Action Type: RESPONSE
Date : 2003-03-03 00:00:00
Action: Other Workplan

Action Type: RESPONSE
Date : 2003-02-01 00:00:00
Action: Other Report / Document

Action Type: RESPONSE
Date : 2003-01-31 00:00:00
Action: Soil and Water Investigation Report

Action Type: RESPONSE
Date : 2003-01-31 00:00:00
Action: Monitoring Report - Quarterly

Action Type: ENFORCEMENT
Date : 2003-01-30 00:00:00
Action: Notice of Public Hearing / Board Action

Action Type: RESPONSE
Date : 2003-01-27 00:00:00
Action: Other Report / Document

Action Type: RESPONSE
Date : 2003-01-07 00:00:00
Action: Other Report / Document

Action Type: ENFORCEMENT

Date : 2003-01-06 00:00:00
Action: Notice of Public Hearing / Board Action

Action Type: RESPONSE
Date : 2003-01-06 00:00:00
Action: Email Correspondence

Action Type: ENFORCEMENT
Date : 2002-12-19 00:00:00
Action: Notice of Public Hearing / Board Action

Action Type: ENFORCEMENT
Date : 2002-12-03 00:00:00
Action: Technical Correspondence / Assistance / Other

Action Type: RESPONSE
Date : 2002-11-20 00:00:00
Action: Other Report / Document

Action Type: RESPONSE
Date : 2002-11-06 00:00:00
Action: Fact Sheets - Public Participation

Action Type: RESPONSE
Date : 2002-11-05 00:00:00
Action: Corrective Action Plan / Remedial Action Plan

Action Type: RESPONSE
Date : 2002-10-31 00:00:00
Action: CAP/RAP - Feasibility Study Report

Action Type: ENFORCEMENT
Date : 2002-10-28 00:00:00
Action: File review

Action Type: RESPONSE
Date : 2002-10-22 00:00:00
Action: Other Report / Document

Action Type: RESPONSE
Date : 2002-09-26 00:00:00
Action: Correspondence

Action Type: ENFORCEMENT
Date : 2002-09-25 00:00:00
Action: File review

Action Type: RESPONSE
Date : 2002-09-16 00:00:00
Action: Corrective Action Plan / Remedial Action Plan - Addendum

Action Type: RESPONSE
Date : 2002-08-20 00:00:00
Action: Email Correspondence

Action Type: RESPONSE
Date : 2002-07-23 00:00:00
Action: Corrective Action Plan / Remedial Action Plan - Addendum

Action Type: ENFORCEMENT
Date : 2002-07-12 00:00:00
Action: Annual Estimation Letter

Action Type: RESPONSE
Date : 2002-07-10 00:00:00
Action: Other Report / Document

Action Type: RESPONSE
Date : 2002-06-06 00:00:00

Action: Corrective Action Plan / Remedial Action Plan

Action Type: RESPONSE
Date : 2001-07-24 00:00:00
Action: Other Report / Document

Action Type: RESPONSE
Date : 2001-01-01 00:00:00
Action: Other Report / Document

Action Type: REMEDIATION
Date : 1997-04-01 00:00:00
Action: Ex Situ Physical/Chemical Treatment (other than P&T, SVE, or Excavation)

Action Type: REMEDIATION
Date : 1993-02-01 00:00:00
Action: Excavation

Action Type: ENFORCEMENT
Date : 1985-08-26 00:00:00
Action: Staff Letter

Action Type: Other
Date : 1985-08-01 00:00:00
Action: Leak Stopped

Action Type: RESPONSE
Date : 1982-06-01 00:00:00
Action: Soil and Water Investigation Report

Action Type: ENFORCEMENT
Date : 1980-07-30 00:00:00
Action: 13267 Monitoring Program

Action Type: ENFORCEMENT
Date : 1974-08-06 00:00:00
Action: NPDES Permit

Action Type: ENFORCEMENT
Date : 1974-01-22 00:00:00
Action: Waste Discharge Requirements

Action Type: ENFORCEMENT
Date : 1973-12-02 00:00:00
Action: Notice of Public Hearing / Board Action

Action Type: RESPONSE
Date : 1973-11-26 00:00:00
Action: Correspondence

Action Type: ENFORCEMENT
Date : 1973-10-23 00:00:00
Action: Notice of Public Hearing / Board Action

Action Type: ENFORCEMENT
Date : 1973-10-21 00:00:00
Action: Notice of Public Hearing / Board Action

Action Type: RESPONSE
Date : 1973-10-21 00:00:00
Action: Correspondence

Action Type: RESPONSE
Date : 1971-06-28 00:00:00
Action: Other Report / Document

Action Type: RESPONSE
Date : 1970-01-01 00:00:00
Action: Other Report / Document

Action Type: RESPONSE
Date : 1969-12-31 00:00:00
Action: Other Report / Document

Action Type: RESPONSE
Date : 1951-01-01 00:00:00
Action: Correspondence

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Open - Site Assessment
Status Date: 2011-12-19 00:00:00

Status: Open - Verification Monitoring
Status Date: 2009-04-02 00:00:00

Status: Open - Site Assessment
Status Date: 2006-08-03 00:00:00

Status: Open - Verification Monitoring
Status Date: 2004-09-30 00:00:00

Status: Open - Remediation
Status Date: 1997-01-01 00:00:00

Status: Open - Remediation
Status Date: 1993-02-01 00:00:00

Status: Open - Site Assessment
Status Date: 1992-01-01 00:00:00

Status: Open - Remediation
Status Date: 1985-01-01 00:00:00

Status: Open - Case Begin Date
Status Date: 1982-01-01 00:00:00

Status: Open - Site Assessment
Status Date: 1982-01-01 00:00:00

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Regional Board Caseworker
Contact Name: CECILIO FELIX
Phone Number: 5106222343
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Email: cecil.felix@waterboards.ca.gov
Address: 1515 Clay St. Suite 1400
City: OAKLAND

Cleanup Program Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)

Project Status:
CUF Claim:
CUF Priority Assign:
CUF Amount Paid:
User Defined Beneficial Use:
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: http://geotracker.waterboards.ca.gov/profile_report?global_id=SL600192789
Cleanup Status Detail: OPEN - SITE ASSESSMENT AS OF 12/19/2011
Cleanup History Link: http://geotracker.waterboards.ca.gov/profile_report_include?global_id=SL600192789&tabname=regulatoryhistory
Potential COC: BENZENE, METALS/HEAVY METALS, PETROLEUM - AUTOMOTIVE GASOLINES, PETROLEUM - DIESEL FUELS, VOLATILE ORGANIC COMPOUNDS (VOC)
Potential Media Of Concern: INDOOR AIR, OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER), SOIL, SOIL VAPOR, SURFACE WATER
DWR GW Sub Basin: Santa Clara Valley - East Bay Plain (2-009.04)
WDR Place Type:
WDR File:
WDR Order:
File Location: REGIONAL BOARD

Calwater Watershed Name: South Bay - East Bay Cities (204.20)
Post Closure Site Management: ACTIVITIES PROHIBITED WHICH DISTURB THE REMEDY AND MONITORING SYSTEMS WITHOUT APPROVAL
MAINTAIN MONITORING OF GROUNDWATER
NO EXCAVATION OF CONTAMINATED SOILS WITHOUT AGENCY REVIEW AND APPROVAL
NO GROUNDWATER EXTRACTION AT ANY DEPTH WITHOUT APPROVAL
NOTIFY DAMAGES TO REMEDY AND MONITORING SYSTEMS UPON DISCOVERY
NOTIFY PRIOR TO SUBSURFACE WORK
Future Land Use:
Cleanup Oversight Agencies: SAN FRANCISCO BAY RWQCB (REGION 2) (LEAD) - CASE #: 01S0576
CASEWORKER: CECILIO FELIX
Site History:

This site is next to the Oakland Estuary in Oakland and is occupied by residential townhomes. From 1925 to 1980, Shell Oil owned and operated a bulk fuel distribution terminal at the site. Simmons Terminal Corporation purchased the property and continued these operations from 1980 to 1985. From 1985 to 2003, the site was used for heavy equipment and salvaged building material storage. In June 2003, Signature at the Estuary, LLC, purchased the property and began development of a 100-unit residential townhouse complex. As part of its development work, Signature removed remaining infrastructure related to the fuel terminal, excavated and disposed of contaminated soil, and implemented groundwater cleanup by injecting an oxygen-releasing compound into the main excavation and a grid of injection wells.

Investigations conducted as early as 1982 have identified petroleum-related contamination in groundwater beneath the site, including floating product on the groundwater surface. The main chemicals identified include total petroleum hydrocarbons (as gasoline and diesel) and benzene. In 2004, the Board adopted the final Site Cleanup Requirements Order R2-2004-0046, which named Signature at the Estuary, LLC, as the discharger because it owned the property at the time and planned to redevelop the property. While most cleanup tasks have been completed, two issues remain: potential for vapor intrusion into the townhomes and a small petroleum sheen at one shoreline location. In 2010, Signature at the Estuary, LLC, informed Board staff it does not have the financial capacity to fulfill the remaining obligations under the Order. Shell Oil and Signature Properties, Inc. were added as responsible parties in an amendment of the Order R2-2011-0038.

Cleanup Program Sites from GeoTracker Search - Cleanup Action(as of Jan 18, 2019)

Action Type: EXCAVATION **Begin Date:** 9/16/2003
Phase: Soil, Water **End Date:** 12/2/2003
Description: Multiple overexcavations, including removal of 2 undocumented USTs; excavation water sent to sanitary sewer. Contaminant mass not recorded.
Contaminant Mass Removed:

Action Type: EX SITU PHYSICAL/CHEMICAL TREATMENT (OTHER THAN P&T, SVE, OR EXCAVATION) **Begin Date:** 4/1/1997
Phase: Water **End Date:** 6/30/2003
Description: Oxygen-release compound (ORC) placed into 3 monitoring wells in 1997 and 1999, into 15 borings in 1999, into 50 borings in March 2003, and 5 borings in June 2003. Injection volume noted as treated volume.
Contaminant Mass Removed:

Action Type: EXCAVATION **Begin Date:** 2/1/1993
Phase: Soil **End Date:** 2/28/1993
Description: Overexcavation associated with removal of 2 USTs at 2901 Glascock Street. Volume and contaminant mass removed not recorded. Dates are estimated (February 1993).
Contaminant Mass Removed:

Cleanup Program Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)

Action Type: Response Requested - Other
Action Date: 10/22/2018
Received Issue Date: 10/22/2018
Action: Settlement Agreement
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5978780
Title Description Comments:

Settlement Agreement

Action Type: Other Regulatory Actions
Action Date: 6/30/2018
Received Issue Date: 6/30/2018
Action: Annual Estimation Letter
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6363943&tempt

able=ENFORCEMENT

Title Description Comments:

Annual Estimate Letter

Action Type: Other Regulatory Actions
Action Date: 1/14/2018
Received Issue Date: 1/14/2018
Action: Meeting
Doc Link:
Title Description Comments:

Conference call meeting with PGE/City/County to discuss trenching and sampling near Signature Properties Conference call meeting was to discuss the utility trenching activities at/near the site by PGE during which soil and groundwater sampling and visual observations will be performed in order to evaluate utility field conditions and waste disposal criteria; PGE agreed to provide Water Board staff prior notifications of activities and sampling data which will be utilized to further evaluate site impacts and sufficiency of pollutant characterization and definition.

Action Type: Other Regulatory Actions
Action Date: 1/4/2018
Received Issue Date: 1/4/2018
Action: Meeting
Doc Link:
Title Description Comments:

Teleconference meeting with DTSC and PGE regarding utility trenching near the Signature Properties site and need to share field screening data. Meeting with DTSC and PGE to discuss site pollution, field conditions which may affect PGE trenching activities in the coming months, and the Water Board staff's need to obtain field screening data (ie. pollutant concentrations, lithologic data, field observations, etc.) pertinent to defining the sources and extent of pollution at the Signature site. PGE and DTSC agreed to share all field data and to provide regular updates.

Action Type: Response Requested - Other
Action Date: 12/25/2017
Received Issue Date: 10/25/2017
Action: Correspondence - Regulator Responded
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5947111
Title Description Comments:

Request for meeting to discuss opposition to proposed Feasibility Study and Remedial Action Plan.

Action Type: Other Regulatory Actions
Action Date: 12/1/2017
Received Issue Date: 12/1/2017
Action: Meeting
Doc Link:
Title Description Comments:

Meeting with Signature HOA and legal counsel to discuss concerns with investigation and cleanup Meeting with Beverly Angros of Estuary HOA Board and legal counsel Mark Intrieri to discuss HOA and resident concerns regarding the sufficiency of investigation, effectiveness of cleanup to-date and proposed in the most recent FS. They indicated that tentants continue to observe petroleum hydrocarbon odor along the estuary shoreline and in outdoor areas of the residential development especially along Glascock Street. They indicated that a the HOA received a favorable court ruling regarding a legal action filed against other responsible parties and that as a result the HOA will be able to work with other discharges toward insuring that HOA concerns are addressed that site cleanup is effective. We agreed to correspond in approximately 1-2 months after which time the HOA and other dischargers will provide a status update and may propose approaches toward meeting Water Board requirements and resolving RP concerns and disputes.

Action Type: Other Regulatory Actions
Action Date: 11/8/2017
Received Issue Date: 11/8/2017
Action: Technical Correspondence / Assistance / Other
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6342008&tempt able=ENFORCEMENT
Title Description Comments:

Email to PGE regarding utility work nearby the Signature Properties site and requesting data that may be useful to evaluating the site.

Action Type: Other Regulatory Actions

Action Date: 9/13/2017
Received Issue Date: 9/13/2017
Action: Meeting
Doc Link:
Title Description Comments:

Followup meeting to discuss proposed remedial alternative Followup meeting with Carol Campagna (discharger representative), Benjamin Eastman and Ram Kannappan (consultants) to discuss technical and permitting issues regarding remedial alternative described in the Feasibility Study.

Action Type: Other Regulatory Actions
Action Date: 8/28/2017
Received Issue Date: 8/28/2017
Action: Meeting
Doc Link:
Title Description Comments:

Meeting with discharger representative to discuss remediation technology proposed in Feasibility Study Meeting with John Collins to discuss Aquablok composite technology proposed in the Feasibility Study. We discussed the technical details, case examples, manner in which the technology would be applied at the Signature cleanup site, and permits required for implementation.

Action Type: Other Regulatory Actions
Action Date: 6/30/2017
Received Issue Date: 6/30/2017
Action: Annual Estimation Letter
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6325110&temptable=ENFORCEMENT
Title Description Comments:

cost recovery annual estimate letter

Action Type: Other Regulatory Actions
Action Date: 3/13/2017
Received Issue Date: 3/13/2017
Action: Staff Letter
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6314376&temptable=ENFORCEMENT
Title Description Comments:

Approval of Pipeline, Promenade, and Soil Vapor Assessment Report and Requirement for Feasibility Study

Action Type: Other Regulatory Actions
Action Date: 6/30/2016
Received Issue Date: 6/30/2016
Action: Annual Estimation Letter - #01S0576
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6290021&temptable=ENFORCEMENT
Title Description Comments:

Annual Estimate for SCP Cost Recovery Oversight for 2901 to 2999 Glascock Street and including Bowsman Court, Channel Way and Regatta Drive, Oakland, Alameda County

Action Type: Other Regulatory Actions
Action Date: 12/17/2015
Received Issue Date: 12/17/2015
Action: Technical Correspondence / Assistance / Other
Doc Link:
Title Description Comments:

Phone meeting to discuss cost recovery oversight billing. Discussions with Carol Campagna and cost recovery billing administrative staff regarding historic bills.

Action Type: Other Regulatory Actions
Action Date: 10/26/2015
Received Issue Date: 10/26/2015
Action: Technical Correspondence / Assistance / Other

Doc Link:
Title Description Comments:

Meeting with discharger and representatives Meeting was to discuss status of recent site investigation implementation, history of site, upcoming action items

Action Type: Other Regulatory Actions
Action Date: 9/2/2015
Received Issue Date: 9/2/2015
Action: Site Visit / Inspection / Sampling
Doc Link:
Title Description Comments:

Inspection to observe implementation of site investigation

Action Type: Other Regulatory Actions
Action Date: 7/15/2015
Received Issue Date: 7/15/2015
Action: Annual Estimation Letter - #01S0576
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6253221&temptable=ENFORCEMENT
Title Description Comments:

Annual Estimate for SCP Cost Recovery Oversight for 2901 to 2999 Glascock Street and including Bowsman Court, Channel Way and Regatta Drive, Oakland, Alameda County

Action Type: Enforcement/Orders
Action Date: 7/10/2015
Received Issue Date: 7/10/2015
Action: 13267 Requirement
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6252208&temptable=ENFORCEMENT
Title Description Comments:

Approval of Pipeline and Soil Vapor Assessment Work Plan Addendum; Requirement for Technical Report

Action Type: Other Regulatory Actions
Action Date: 6/15/2015
Received Issue Date: 6/15/2015
Action: Site Visit / Inspection / Sampling
Doc Link:
Title Description Comments:

Site Inspection - Implementation of Pipeline and Soil Vapor Assessment Work Plan. Inspected the installation of nested soil vapor wells SVW-5 and groundwater monitoring well LMW-18, both which were moved 15-30 feet from their planned locations. During the hand augering for the deep soil vapor well, black soil with a strong petroleum odor was encountered at a depth of about 3 feet. Along the shoreline, it was near high tide and I observed a sheen on the water in the vicinity of the geomembrane extension. There was a separate sheen on the water along the shoreline well to the northwest on the adjacent parcel, where a yellow boom had been deployed along the base of a wood deck. Based on the separation distance, this sheen does not appear to be related to this site.

Action Type: Other Regulatory Actions
Action Date: 5/13/2015
Received Issue Date: 5/13/2015
Action: Site Visit / Inspection / Sampling
Doc Link:
Title Description Comments:

Site Inspection - Implementation of Pipeline and Soil Vapor Assessment Work Plan. Inspected installed nested soil vapor wells SVW-1. Also inspected areas where new water pipes were being installed for the buildings. I did not notice any impacted soil or odors from the water pipe excavations (which were generally only a couple feet deep). I also noticed several existing monitoring wells were not correctly plotted on the work plan map and informed AECOM.

Action Type: Other Regulatory Actions
Action Date: 3/25/2015
Received Issue Date: 3/25/2015

Action: Meeting
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6240157&temptable=ENFORCEMENT
Title Description Comments:

Meeting with HOA and Shell technical representatives to discuss 12/19/2014 RI report.

Action Type: Other Regulatory Actions
Action Date: 3/4/2015
Received Issue Date: 3/4/2015
Action: Site Visit / Inspection / Sampling
Doc Link:
Title Description Comments:

Site Inspection - Meet new consultants for HOA and discuss their plans for additional site investigation Staff met HOA representative and their new consultants at the site. We walked the perimeter as they discussed plans to perform additional boring/sampling along the promenade and along Glascock Street. While we were walking along the SW side of Glascock Street, we caught a whiff of the petroleum odor (same odor as from the shoreline seep). We traced the odor to a PG&E vault located 20 feet NW of Estero Way. I suggested that if they are considering investigating this area, to include the source of this odor at the vault. Staff also met HOA member onsite and confirmed that odors and sheen are still being observed in the water along the shoreline in the vicinity of the seep location (particularly during receding tide and after significant rainfall).

Action Type: Enforcement/Orders
Action Date: 1/28/2015
Received Issue Date: 1/28/2015
Action: 13267 Requirement
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6234648&temptable=ENFORCEMENT
Title Description Comments:

Conditional Approval of Pipeline and Soil Vapor Assessment Work Plan; Requirement for Technical Report

Action Type: Other Regulatory Actions
Action Date: 11/13/2014
Received Issue Date: 11/13/2014
Action: Meeting
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6235986&temptable=ENFORCEMENT
Title Description Comments:

Meeting to discuss Soil Vapor and Pipeline Investigation work plan Technical staff for URS/Shell, and HOA representative meeting with Water Board case manager. Included discussion of CPT/UVOST and DPT Data, and Pipeline and Soil Vapor Work Plan.

Action Type: Response Requested - Other
Action Date: 10/9/2014
Received Issue Date: 10/9/2014
Action: Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5818819
Title Description Comments:

Estuary Owners Association comments on Pipeline/Soil Vapor Assessment Work Plan

Action Type: Other Regulatory Actions
Action Date: 8/20/2014
Received Issue Date: 8/20/2014
Action: Site Visit / Inspection / Sampling
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6235991&temptable=ENFORCEMENT
Title Description Comments:

Site Inspection of CPT/UVOST drilling along the Promenade.

Action Type: Other Regulatory Actions
Action Date: 8/19/2014
Received Issue Date: 8/19/2014
Action: Meeting

Doc Link:
Title Description Comments:

Meeting with URS and Shell to discuss the vapor intrusion assessment requirements of the work plan.

Action Type: Other Regulatory Actions
Action Date: 8/18/2014
Received Issue Date: 8/18/2014
Action: Site Visit / Inspection / Sampling
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6235990&temptable=ENFORCEMENT
Title Description Comments:

Site Inspection of CPT/UVOST drilling along Promenade. Inspected initial site drilling, beginning with CPT/UVOST drilling along the promenade. The decision to move the drilling locations off of the promenade was made by URS and relayed to Staff today, prior to the site inspection. This was due to concerns with 8" rebar spacing in the promenade concrete.

Action Type: Agreements
Action Date: 7/22/2014
Received Issue Date: 7/22/2014
Action: Cost Recovery Agreement / N. of Reimbursement
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6215425&temptable=ENFORCEMENT
Title Description Comments:

Cost Recovery letter FY 2014-15 - 7.22.14

Action Type: Enforcement/Orders
Action Date: 7/11/2014
Received Issue Date: 7/11/2014
Action: 13267 Requirement
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6211977&temptable=ENFORCEMENT
Title Description Comments:

Conditional Approval of Investigation Work Plan and Addendum; Requirement for Work Plan and Technical Report

Action Type: Other Regulatory Actions
Action Date: 6/17/2014
Received Issue Date: 6/17/2014
Action: Technical Correspondence / Assistance / Other
Doc Link:
Title Description Comments:

Teleconference to discuss case status, next steps and public participation - On the call were representatives for Shell, URS, the HOA, and Zell Associates. URS provided a brief Work Plan overview. Staff clarified the comments and responses to it and confirmed the resolution in an email dated April 10, 2014. We confirmed that a fact sheet currently being generated was appropriate for public participation, and that Zell may provide a specialist to be at the site at least on the first day of field work (thereafter only if deemed necessary). Staff will work on the work plan response and final fact sheet for release within the next few weeks.

Action Type: Other Regulatory Actions
Action Date: 4/10/2014
Received Issue Date: 4/10/2014
Action: Technical Correspondence / Assistance / Other
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6209778&temptable=ENFORCEMENT
Title Description Comments:

Email correspondence - Proposed resolution to comments and responses. Included in this email is the email chain that contains both the Chapman & Intrieri comments, dated February 5, 2014, and the URS responses, dated March 26, 2014.

Action Type: Other Regulatory Actions
Action Date: 2/26/2014
Received Issue Date: 2/26/2014
Action: Meeting

Doc Link:
Title Description Comments:

Meeting - Second joint meeting, this time to discuss specific soil and groundwater issues.

Action Type: Other Regulatory Actions
Action Date: 1/27/2014
Received Issue Date: 1/27/2014
Action: Meeting
Doc Link:
Title Description Comments:

Meeting - Participants included representatives for the HOA, Signature at the Estuary LLC, Shell Oil, Iconco, and other stakeholders and consultants. Issues discussed were site conditions and remediation plans, and definition of areas of agreement and disagreement among parties, including work needed to attain agreement.

Action Type: Other Regulatory Actions
Action Date: 10/4/2013
Received Issue Date: 10/4/2013
Action: Staff Letter
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6177866&temptable=ENFORCEMENT
Title Description Comments:

Modification to Self-Monitoring Program for Order No. R2-2004-0046

Action Type: Other Regulatory Actions
Action Date: 9/27/2013
Received Issue Date: 9/27/2013
Action: Site Visit / Inspection / Sampling
Doc Link:
Title Description Comments:

Site Inspection - Per the 6/14/13 work plan addendum, samples were being collected in three locations, most notably at VP-11, which was rejected due to a helium leak (but also had the highest benzene detection). No results yet. The replacement for VP-6 had to be moved when the first core did not appear to encounter sub-slab pea gravel. At the shoreline, no visible seep was noted. A slight petroleum odor was noted at the former seep area (along the edge of the retaining wall). Many small fish were observed darting around the shoreline.

Action Type: Agreements
Action Date: 7/1/2013
Received Issue Date: 7/1/2013
Action: Cost Recovery Agreement / N. of Reimbursement
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6166319&temptable=ENFORCEMENT
Title Description Comments:

Annual Estimate Letter for Cost Recovery

Action Type: Other Regulatory Actions
Action Date: 4/2/2013
Received Issue Date: 4/2/2013
Action: Site Visit / Inspection / Sampling
Doc Link:
Title Description Comments:

Site Inspections - April 2 to April 18 - for sub-slab sampling activities Includes site inspection on April 2: meeting with select residents to discuss logistics of sub-slab sampling in their units; April 9: utility location/vapor well installation in resident units; April 10-11: observed sub-slab sampling; April 15, 17, 18: observe sub-slab sampling and pilot testing.

Action Type: Enforcement/Orders
Action Date: 3/22/2013
Received Issue Date: 3/22/2013
Action: 13267 Requirement
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6152996&temptable=ENFORCEMENT

Title Description Comments:

Approval of Seep Investigation Report and Extension Request for Sub-Slab Soil Vapor Sampling and Pilot Study Report; Requirement for Work Plan

Action Type: Response Requested - Reports
Action Date: 11/30/2012
Received Issue Date: 11/30/2012
Action: Site Assessment Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5759958
Title Description Comments:

Seep Investigation Technical Report - Second required report on Vapor Intrusion delayed due to access/permitting issues.

Action Type: Other Regulatory Actions
Action Date: 11/28/2012
Received Issue Date: 11/28/2012
Action: Meeting
Doc Link:
Title Description Comments:

Meeting with homeowners association board members and representatives to present initial results of seep investigation and to update status of sub-slab (vapor intrusion) investigation.

Action Type: Other Regulatory Actions
Action Date: 10/8/2012
Received Issue Date: 10/8/2012
Action: Meeting
Doc Link:
Title Description Comments:

Follow up teleconference with Shell, URS and third party public participation consultants to discuss seep investigation implementation and status of vapor intrusion access and permitting.

Action Type: Other Regulatory Actions
Action Date: 9/14/2012
Received Issue Date: 9/14/2012
Action: Site Visit / Inspection / Sampling
Doc Link:
Title Description Comments:

Seep Investigation implementation; set up of staging area on 9/14/2012. Riprap removal, followed by sampling and geomembrane extension from 9/17/2012 through 9/28/2012.

Action Type: Response Requested - Workplans
Action Date: 8/24/2012
Received Issue Date: 8/24/2012
Action: Site Investigation Workplan
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5750162
Title Description Comments:

Seep Investigation Construction Work Plan

Action Type: Other Regulatory Actions
Action Date: 8/23/2012
Received Issue Date: 8/23/2012
Action: Technical Correspondence / Assistance / Other
Doc Link:
Title Description Comments:

Conference call to representatives for homeowners association to discuss delays in access agreements and permitting for the seep and vapor intrusion work plan implementation.

Action Type: Other Regulatory Actions
Action Date: 7/31/2012

Received Issue Date: 7/31/2012
Action: Site Visit / Inspection / Sampling
Doc Link:
Title Description Comments:

Site Inspection Met representative from USACE at site with URS manager. Inspected area of petroleum seep to get advise from USACE on permit requirements for seep investigation work. USACE advised that containment boom was not practical for ongoing seep due to very small and inconsistent sheen (sheen typically not seen). But boom will likely be needed during excavation work (as is planned). USACE permit for work will need to be expedited to allow work to occur this calendar year.

Action Type: Other Regulatory Actions
Action Date: 6/18/2012
Received Issue Date: 6/18/2012
Action: Meeting
Doc Link:
Title Description Comments:

Initial meeting for third party public participation consultants.

Action Type: Other Regulatory Actions
Action Date: 5/24/2012
Received Issue Date: 5/24/2012
Action: Site Visit / Inspection / Sampling
Doc Link:
Title Description Comments:

Site Inspection. Inspected petroleum seep location during rising tide with URS personnel and their subcontractors to pinpoint location of known seep through riprap. This will act as a focal point for the implementation of the petroleum seep work plan to be performed.

Action Type: Other Regulatory Actions
Action Date: 5/14/2012
Received Issue Date: 5/14/2012
Action: Staff Letter
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6121812&temptable=ENFORCEMENT
Title Description Comments:

Implementation of Vapor Intrusion and Petroleum Seep Work Plans - Requirement for Technical Reports, properties located at 2901 to 2999 Glascock Street and including Bowsman Court, Channel Way and Regatta Drive, Oakland, Alameda County

Action Type: Other Regulatory Actions
Action Date: 11/21/2011
Received Issue Date: 11/21/2011
Action: Site Visit / Inspection / Sampling
Doc Link:
Title Description Comments:

Site Inspection - Seep after low low tide Met with URS at site to observe area of petroleum seep along shoreline. We observed some sheen some associated bubbles on the water straight down from the decorative anchor, well below the level previously observed abour 10-20 feet to the north. This suggests the area that may need to be investigated spans at least 20-30 feet laterally along the shore and may extend well down into the intertidal zone.

Action Type: Other Regulatory Actions
Action Date: 10/26/2011
Received Issue Date: 10/26/2011
Action: Site Visit / Inspection / Sampling
Doc Link:
Title Description Comments:

Meeting at site with new RP (Shell Oil) and stakeholders Meeting at site with representatives for Shell Oil, their consultant (URS), and subcontractor for groundwater monitoring, the HOA and Chapman & Intrieri. We reviewed the site history, observed the areas of concern, including some well locations, the area of the petroleum seep, and an example of a garage and common area for addressing the vapor intrusion issue. Shell to provide any amendments to the existing work plans for Water Board review.

Action Type: Agreements
Action Date: 9/20/2011

Received Issue Date: 9/20/2011
Action: Cost Recovery Agreement / N. of Reimbursement
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6098897&tempt able=ENFORCEMENT
Title Description Comments:

Site Cleanup Program (SCP) - recovery of oversight costs at Signature at the Estuary, 2901 and 2909 Glascock Street and 303 and 315 Derby Avenue, Oakland, Alameda County

Action Type: Agreements
Action Date: 9/19/2011
Received Issue Date: 9/19/2011
Action: Cost Recovery Agreement / N. of Reimbursement
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6098902&tempt able=ENFORCEMENT
Title Description Comments:

Notice of Delinquent Cost Recovery Account for Regulatory Oversight Charges, Signature at the Estuary, 2901 and 2909 Glascock Street and 303 and 315 Derby Avenue, Oakland, Alameda County

Action Type: Other Regulatory Actions
Action Date: 9/1/2011
Received Issue Date: 9/1/2011
Action: Meeting
Doc Link:
Title Description Comments:

Post-Order kick-off meeting between RPs. Discussed status of litigation. Shell to establish new cost recovery agreement. URS thinks both outstanding work plans (seep investigation and comprehensive vapor intrusion) are doable - noted that access is key and will provide technical questions, including permit requirements, logistics. Public participation discussed, including whether Shell should develop a PP plan, and if a new fact sheet should be issued, and/or a new public meeting held. Next steps include setting up new cost recovery and a site visit to orient new RP/consultant and address access issues.

Action Type: Enforcement/Orders
Action Date: 6/8/2011
Received Issue Date: 6/8/2011
Action: Amendment to Order
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6089516&tempt able=ENFORCEMENT
Title Description Comments:

Order No. R2-2011-0038 - Amendment of Site Cleanup Requirements (Order No. R2-2004-0046) - for the Properties located at 2901 to 2999 Glascock Street and including Bowsman Court, Channel Way and Regatta Drive, Oakland, Alameda County

Action Type: Enforcement/Orders
Action Date: 6/8/2011
Received Issue Date: 6/8/2011
Action: Amendment to Order
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6089517&tempt able=ENFORCEMENT
Title Description Comments:

Transmittal Letter for Order No. R2-2011-0038 - Amendment of Site Cleanup Requirements (Order No. R2-2004-0046)

Action Type: Response Requested - Other
Action Date: 6/8/2011
Received Issue Date: 6/8/2011
Action: Other Report / Document
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5860315
Title Description Comments:

rwqcb hearing 06.08.2011

Action Type: Notices
Action Date: 6/8/2011

Received Issue Date: 6/8/2011
Action: Notice of Public Hearing / Board Action
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6263107&temptable=ENFORCEMENT
Title Description Comments:

rwqc board prosecution staff summary rpt 06.08.2011

Action Type: Notices
Action Date: 6/8/2011
Received Issue Date: 6/8/2011
Action: Notice of Public Hearing / Board Action
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6262823&temptable=ENFORCEMENT
Title Description Comments:

crwqcbhearing 06.08.2011

Action Type: Notices
Action Date: 6/8/2011
Received Issue Date: 6/8/2011
Action: Notice of Public Hearing / Board Action
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6262805&temptable=ENFORCEMENT
Title Description Comments:

crwqcb hearing 06.08.2011

Action Type: Notices
Action Date: 6/8/2011
Received Issue Date: 6/8/2011
Action: Notice of Public Hearing / Board Action
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6262804&temptable=ENFORCEMENT
Title Description Comments:

crwqcb agenda 06.08.2011

Action Type: Response Requested - Other
Action Date: 5/25/2011
Received Issue Date: 5/25/2011
Action: Other Report / Document
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5860510
Title Description Comments:

state of az public access annual reports 05.25.2011

Action Type: Response Requested - Other
Action Date: 5/25/2011
Received Issue Date: 5/25/2011
Action: Other Report / Document
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5714085
Title Description Comments:

Signature Homes Letter May 25, 2011 (Part 3)

Action Type: Response Requested - Other
Action Date: 5/25/2011
Received Issue Date: 5/25/2011
Action: Other Report / Document
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5714084
Title Description Comments:

Signature Homes Letter May 25, 2011 (Part 2)

Action Type: Response Requested - Other
Action Date: 5/25/2011
Received Issue Date: 5/25/2011
Action: Other Report / Document
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5714083
Title Description Comments:

Signature Homes Letter May 25, 2011 (Part 1)

Action Type: Response Requested - Other
Action Date: 5/25/2011
Received Issue Date: 5/25/2011
Action: Other Report / Document
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5714086
Title Description Comments:

Signature Homes Letter May 25, 2011 (Part4)

Action Type: Response Requested - Other
Action Date: 5/12/2011
Received Issue Date: 5/12/2011
Action: Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5944096
Title Description Comments:

Tentative Order - Amendment of Site Cleanup Requirements

Action Type: Other Regulatory Actions
Action Date: 5/10/2011
Received Issue Date: 5/10/2011
Action: Technical Correspondence / Assistance / Other
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6263185&temptable=ENFORCEMENT
Title Description Comments:

sfbcdc mcateer petris act 05.10.2011

Action Type: Response Requested - Other
Action Date: 5/6/2011
Received Issue Date: 5/6/2011
Action: Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5860500
Title Description Comments:

shell comments re amend of site cleanup requiremts 05.06.2011

Action Type: Response Requested - Other
Action Date: 4/25/2011
Received Issue Date: 4/25/2011
Action: Other Report / Document
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5860508
Title Description Comments:

signature devel projects 04.25.2011

Action Type: Other Regulatory Actions
Action Date: 4/8/2011
Received Issue Date: 4/8/2011
Action: Staff Letter
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6083099&temptable=ENFORCEMENT
Title Description Comments:

Response to Comments on Tentative Order - Amendment of Site Cleanup Requirements (Order No. R2-2004-0046)

Action Type: Other Regulatory Actions
Action Date: 4/8/2011
Received Issue Date: 4/8/2011
Action: Staff Letter
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6083097&tempt able=ENFORCEMENT
Title Description Comments:

Opportunity for Response to Comments on Tentative Order - Amendment of Site Cleanup Requirements (Order No. R2-2004-0046)

Action Type: Enforcement/Orders
Action Date: 4/4/2011
Received Issue Date: 4/4/2011
Action: Notice of Violation
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6082653&tempt able=ENFORCEMENT
Title Description Comments:

Notice of Violation - Failure to Submit Technical Report (Quarterly Groundwater Monitoring Report)

Action Type: Response Requested - Other
Action Date: 3/18/2011
Received Issue Date: 3/18/2011
Action: Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5860236
Title Description Comments:

fax doc homeown. assoc comments to amend of site cleanup req 03.18.2011

Action Type: Enforcement/Orders
Action Date: 1/7/2011
Received Issue Date: 1/7/2011
Action: Notice of Violation
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6073958&tempt able=ENFORCEMENT
Title Description Comments:

Notice of Violation - Failure to Submit Technical Report / Vapor Sampling and Pilot Testing

Action Type: Response Requested - Reports
Action Date: 11/3/2010
Received Issue Date: 11/3/2010
Action: Monitoring Report - Quarterly
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859841
Title Description Comments:

3rd qtr 2010 grdwater mon prog rpt 01.10.2010

Action Type: Other Regulatory Actions
Action Date: 11/1/2010
Received Issue Date: 11/1/2010
Action: Staff Letter
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6073962&tempt able=ENFORCEMENT
Title Description Comments:

Five Year Status Report for the Period of 2004 through 2009 / Report Unacceptable

Action Type: Enforcement/Orders
Action Date: 10/7/2010
Received Issue Date: 10/7/2010
Action: 13267 Requirement

Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6066130&temptable=ENFORCEMENT
Title Description Comments:

Approval of Comprehensive Vapor Sampling and Pilot Testing Work Plan and Conditional Approval of Seep Investigation Work Plan; Requirement for Technical Reports

Action Type: Other Regulatory Actions
Action Date: 9/30/2010
Received Issue Date: 9/30/2010
Action: Meeting
Doc Link:
Title Description Comments:

Meeting with Homeowners Association to discuss response to comments from June 2010 Fact Sheet.

Action Type: Response Requested - Reports
Action Date: 8/3/2010
Received Issue Date: 8/3/2010
Action: Monitoring Report - Quarterly
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859818
Title Description Comments:

2nd qtr 2010 grdwater mon prog rpt 07.01.2010

Action Type: Other Regulatory Actions
Action Date: 6/10/2010
Received Issue Date: 6/10/2010
Action: Meeting
Doc Link:
Title Description Comments:

Presentation of site activity status at Homeowners Association meeting. Acquiring comments on work plans.

Action Type: Response Requested - Workplans
Action Date: 6/7/2010
Received Issue Date: 6/7/2010
Action: Pilot Study / Treatability Workplan
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5944075
Title Description Comments:

Comprehensive Vapor Sampling and Pilot Testing Work Plan

Action Type: Other Regulatory Actions
Action Date: 5/11/2010
Received Issue Date: 5/11/2010
Action: Meeting
Doc Link:
Title Description Comments:

Meeting with mediator to discuss fact sheet and HOA meeting presentation.

Action Type: Other Regulatory Actions
Action Date: 5/6/2010
Received Issue Date: 5/6/2010
Action: Site Visit / Inspection / Sampling
Doc Link:
Title Description Comments:

Site inspection with Signature, Homeowners Association and their representative to observe "common areas" for viability to perform sub-slab testing and possible follow-up pilot test. Follow up included request for Signature to provide modifications to sub-slab sampling and Pilot test work plans to accomodate common areas. Result of request was submittal of letter work plan on June 4, 2010.

Action Type: Other Regulatory Actions

Action Date: 4/15/2010
Received Issue Date: 4/15/2010
Action: Meeting
Doc Link:
Title Description Comments:

Meeting with Signature to discuss indoor air results, public participation, path forward for implementing work plans.

Action Type: Other Regulatory Actions
Action Date: 4/8/2010
Received Issue Date: 4/8/2010
Action: Site Visit / Inspection / Sampling
Doc Link:
Title Description Comments:

Meeting with resident of The Estuary to discuss issues related to the deed restriction. Also used opportunity to inspect garage area for viability or issues with proposed sub-slab sampling. Discovered common areas between some garages.

Action Type: Response Requested - Reports
Action Date: 4/1/2010
Received Issue Date: 4/1/2010
Action: Monitoring Report - Quarterly
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859809
Title Description Comments:

1st qtr 2010 grdwater mon prog rpt 04.01.2010

Action Type: Other Regulatory Actions
Action Date: 3/3/2010
Received Issue Date: 3/3/2010
Action: Meeting
Doc Link:
Title Description Comments:

Meeting with representative for Homeowners Association to discuss indoor air results, recent negotiations with Signature, and sub-slab sampling work plan.

Action Type: Response Requested - Workplans
Action Date: 2/15/2010
Received Issue Date: 2/15/2010
Action: Site Investigation Workplan
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5672016
Title Description Comments:

SUB-SLAB SOIL VAPOR INVESTIGATION WORK PLAN

Action Type: Response Requested - Other
Action Date: 2/15/2010
Received Issue Date: 2/15/2010
Action: Other Report / Document
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5860361
Title Description Comments:

sampling maps many dates 02.15.2010

Action Type: Response Requested - Workplans
Action Date: 2/15/2010
Received Issue Date: 2/15/2010
Action: Site Investigation Workplan
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5672019
Title Description Comments:

SEEP INVESTIGATION WORK PLAN

Action Type: Response Requested - Reports
Action Date: 2/1/2010
Received Issue Date: 2/1/2010
Action: Monitoring Report - Quarterly
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859852
Title Description Comments:

4th qtr 2009 grdwater mon prog rpt appendices 01.01.2010

Action Type: Other Regulatory Actions
Action Date: 1/12/2010
Received Issue Date: 1/12/2010
Action: Meeting
Doc Link:
Title Description Comments:

Meeting with Responsible Party and consultant to discuss requirements for sub-slab sampling.

Action Type: Response Requested - Reports
Action Date: 1/10/2010
Received Issue Date: 1/10/2010
Action: Monitoring Report - Quarterly
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859842
Title Description Comments:

3rd qtr 2010 grdwater mon prog rpt appendix 01.10.2010

Action Type: Enforcement/Orders
Action Date: 1/7/2010
Received Issue Date: 1/7/2010
Action: 13267 Requirement
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6039826&temptable=ENFORCEMENT
Title Description Comments:

Requirement for Sub-Slab Soil Vapor Sampling and Petroleum Seep Investigation Work Plan; Suspension of Requirement for Sub-Slab Depressurization System Pilot Study Report

Action Type: Response Requested - Other
Action Date: 12/4/2009
Received Issue Date: 12/4/2009
Action: Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5944081
Title Description Comments:

Hazardous Materials Spill Report

Action Type: Response Requested - Other
Action Date: 12/2/2009
Received Issue Date: 12/2/2009
Action: Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5658567
Title Description Comments:

Notification of Petroleum Seep, The Estuary

Action Type: Other Regulatory Actions
Action Date: 11/19/2009
Received Issue Date: 11/19/2009
Action: Meeting
Doc Link:
Title Description Comments:

Meeting with Signature and HOA representatives regarding pilot study access and technical issues.

Action Type: Other Regulatory Actions
Action Date: 10/30/2009
Received Issue Date: 10/30/2009
Action: Meeting
Doc Link:
Title Description Comments:

Discuss with mediator to coordinate joint meeting with HOA/Signature.

Action Type: Other Regulatory Actions
Action Date: 10/21/2009
Received Issue Date: 10/21/2009
Action: Meeting
Doc Link:
Title Description Comments:

Meeting with mediator to discuss pilot study access issues.

Action Type: Other Regulatory Actions
Action Date: 10/12/2009
Received Issue Date: 10/12/2009
Action: Meeting
Doc Link:
Title Description Comments:

Meeting with responsible party/consultant to discuss pilot study access issues.

Action Type: Response Requested - Reports
Action Date: 10/1/2009
Received Issue Date: 10/1/2009
Action: Monitoring Report - Quarterly
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859839
Title Description Comments:

3rd qtr 2009 grdwater mon prog rpt 10.01.2009

Action Type: Other Regulatory Actions
Action Date: 9/30/2009
Received Issue Date: 9/30/2009
Action: Site Visit / Inspection / Sampling
Doc Link:
Title Description Comments:

Site visit to witness responsible party/consultant discussing pilot study access with resident.

Action Type: Other Regulatory Actions
Action Date: 9/2/2009
Received Issue Date: 9/2/2009
Action: Technical Correspondence / Assistance / Other
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6029369&temptable=ENFORCEMENT
Title Description Comments:

Approval of Pilot Study Work Plan

Action Type: Response Requested - Other
Action Date: 9/1/2009
Received Issue Date: 9/1/2009
Action: Other Report / Document
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859853
Title Description Comments:

5 yr status rpt 2004 through 2009 08.01.2009

Action Type: Response Requested - Reports
Action Date: 8/3/2009
Received Issue Date: 8/3/2009
Action: Monitoring Report - Quarterly
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859817
Title Description Comments:

2nd qtr 2009 grdwater mon prog rpt 07.01.2009

Action Type: Response Requested - Other
Action Date: 7/2/2009
Received Issue Date: 7/2/2009
Action: Other Report / Document
Doc Link:
Title Description Comments:

draft plume stability eval 06.30.2009

Action Type: Response Requested - Reports
Action Date: 7/2/2009
Received Issue Date: 7/2/2009
Action: Site Assessment Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5858841
Title Description Comments:

hydrologic assessment 06.01.2009

Action Type: Response Requested - Other
Action Date: 7/2/2009
Received Issue Date: 7/2/2009
Action: Other Report / Document
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859107
Title Description Comments:

draft plume stability eval 06.30.2009

Action Type: Response Requested - Other
Action Date: 6/25/2009
Received Issue Date: 6/25/2009
Action: Fact Sheets - Public Participation
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5944092
Title Description Comments:

Fact Sheet and Pilot Study Work Plan Comments

Action Type: Other Regulatory Actions
Action Date: 6/16/2009
Received Issue Date: 6/16/2009
Action: Technical Correspondence / Assistance / Other
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6017322&temptable=ENFORCEMENT
Title Description Comments:

Conditional Approval of Extension of Deadline from June 30, 2009, to August 30, 2009, for submittal of Five-Year Status Report

Action Type: Response Requested - Other
Action Date: 6/4/2009
Received Issue Date: 6/4/2009
Action: Other Report / Document
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5858824
Title Description Comments:

estuary homeowner doc receipts 06.02.2009

Action Type: Response Requested - Workplans
Action Date: 5/18/2009
Received Issue Date: 5/18/2009
Action: Pilot Study / Treatability Workplan
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859022
Title Description Comments:

revised pilot study design and implem work plan 05.01.2009

Action Type: Response Requested - Workplans
Action Date: 5/13/2009
Received Issue Date: 5/13/2009
Action: Pilot Study / Treatability Workplan
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5639200
Title Description Comments:

Revised Pilot Study Design and Implementation Work Plan, The Estuary

Action Type: Response Requested - Other
Action Date: 5/4/2009
Received Issue Date: 5/4/2009
Action: Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5944097
Title Description Comments:

The Estruary - Disclosures

Action Type: Response Requested - Reports
Action Date: 5/1/2009
Received Issue Date: 5/1/2009
Action: Monitoring Report - Quarterly
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859807
Title Description Comments:

1st qtr 2009 grdwater mon prog rpt 04.01.2009

Action Type: Other Regulatory Actions
Action Date: 4/16/2009
Received Issue Date: 4/16/2009
Action: Meeting
Doc Link:
Title Description Comments:

Meeting with discharger and consultant to discuss Pilot Study Work Plan

Action Type: Response Requested - Reports
Action Date: 4/1/2009
Received Issue Date: 4/1/2009
Action: Monitoring Report - Quarterly
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859808
Title Description Comments:

1st qtr 2009 grdwater mon prog rpt Appendixes 04.01.2009

Action Type: Other Regulatory Actions
Action Date: 3/17/2009
Received Issue Date: 3/17/2009
Action: Site Visit / Inspection / Sampling
Doc Link:
Title Description Comments:

Inspect estuary shoreline at low tide with RP and consultant

Action Type: Response Requested - Workplans
Action Date: 3/16/2009
Received Issue Date: 3/16/2009
Action: Pilot Study / Treatability Workplan
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5858857
Title Description Comments:

pilot study design and impl work plan 03.13.2009

Action Type: Response Requested - Reports
Action Date: 3/15/2009
Received Issue Date: 3/16/2009
Action: Pilot Study/ Treatability Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5627172
Title Description Comments:

Pilot Study Design and Implementation Work Plan - Available for 30-day public comment period: May 14-June 14, 2009.

Action Type: Response Requested - Other
Action Date: 3/13/2009
Received Issue Date: 3/13/2009
Action: Other Report / Document
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859091
Title Description Comments:

utility layout plan 03.13.2009

Action Type: Response Requested - Workplans
Action Date: 3/13/2009
Received Issue Date: 3/13/2009
Action: Pilot Study / Treatability Workplan
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5858858
Title Description Comments:

pilot study design and implement work plan 03.13.2009

Action Type: Response Requested - Other
Action Date: 3/13/2009
Received Issue Date: 3/13/2009
Action: Conceptual Site Model
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859085
Title Description Comments:

task 6 submittal pck ltr 03.13.2009

Action Type: Other Regulatory Actions
Action Date: 3/12/2009
Received Issue Date: 3/12/2009
Action: Site Visit / Inspection / Sampling
Doc Link:
Title Description Comments:

Inspect estuary shoreline at low tide

Action Type: Response Requested - Other
Action Date: 3/2/2009
Received Issue Date: 3/2/2009
Action: Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859021
Title Description Comments:

response to require for doc and verif 02.27.2009

Action Type: Response Requested - Other
Action Date: 2/27/2009
Received Issue Date: 2/27/2009
Action: Fact Sheets - Public Participation
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5860217
Title Description Comments:

epa benzene article 02.27.2009

Action Type: Response Requested - Other
Action Date: 2/27/2009
Received Issue Date: 2/27/2009
Action: Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5944088
Title Description Comments:

REsponse to Requirement for Documentation and Verification Related to Compliance with Task C.1 of Order R2-2004-0046

Action Type: Response Requested - Workplans
Action Date: 2/20/2009
Received Issue Date: 2/20/2009
Action: Pilot Study / Treatability Workplan
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859084
Title Description Comments:

summary of deliverables 02.20.2009

Action Type: Response Requested - Reports
Action Date: 2/3/2009
Received Issue Date: 2/3/2009
Action: Monitoring Report - Quarterly
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859851
Title Description Comments:

4th qtr 2008 grdwater mon prog rpt 01.01.2009

Action Type: Other Regulatory Actions
Action Date: 1/23/2009
Received Issue Date: 1/23/2009
Action: Technical Correspondence / Assistance / Other
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6000622&tempt able=ENFORCEMENT
Title Description Comments:

Requirement for Documentation and Verification Related to Compliance with Task C.1 of Order R2-2004-0046

Action Type: Other Regulatory Actions
Action Date: 1/23/2009
Received Issue Date: 1/23/2009
Action: Meeting
Doc Link:
Title Description Comments:

Meeting with discharger and consultant to discuss rejection of Progress Report and requirement for Pilot Study Work Plan

Action Type: Response Requested - Reports
Action Date: 1/1/2009
Received Issue Date: 1/1/2009
Action: Monitoring Report - Quarterly
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859840
Title Description Comments:

3rd qtr 2009 grdwater mon prog rpt appendix 01.01.2009

Action Type: Enforcement/Orders
Action Date: 12/16/2008
Received Issue Date: 12/16/2008
Action: Notice to Comply
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=5997169&temptable=ENFORCEMENT
Title Description Comments:

Rejection of Site Progress Report; Requirement for Pilot Study Work Plan

Action Type: Response Requested - Other
Action Date: 11/6/2008
Received Issue Date: 11/6/2008
Action: Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5858796
Title Description Comments:

ack. ltr in for cost reimb board staff costs for oversight 10.01.2003

Action Type: Other Regulatory Actions
Action Date: 11/4/2008
Received Issue Date: 11/4/2008
Action: Meeting
Doc Link:
Title Description Comments:

Meeting with discharger and consultants to discuss proposal for implementation of vapor intrusion prevention measures

Action Type: Response Requested - Reports
Action Date: 11/2/2008
Received Issue Date: 11/2/2008
Action: Monitoring Report - Quarterly
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859837
Title Description Comments:

3rd qtr 2008 grdwater mon prog rpt 10.01.2008

Action Type: Other Regulatory Actions
Action Date: 10/27/2008
Received Issue Date: 10/27/2008
Action: Technical Correspondence / Assistance / Other
Doc Link:
Title Description Comments:

Teleconference with discharger to discuss site progress report

Action Type: Other Regulatory Actions
Action Date: 10/24/2008
Received Issue Date: 10/24/2008
Action: Technical Correspondence / Assistance / Other
Doc Link:
Title Description Comments:

Teleconference with consultants to discuss proposed future sampling

Action Type: Other Regulatory Actions
Action Date: 10/22/2008
Received Issue Date: 10/22/2008
Action: Technical Correspondence / Assistance / Other
Doc Link:
Title Description Comments:

Teleconference with homeowners representatives to discuss site progress report

Action Type: Response Requested - Reports
Action Date: 10/17/2008
Received Issue Date: 10/17/2008
Action: Progress Report (Soil/GW/ Updates)
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859041
Title Description Comments:

site progress rpt 10.15.2008

Action Type: Other Regulatory Actions
Action Date: 9/30/2008
Received Issue Date: 9/30/2008
Action: Meeting
Doc Link:
Title Description Comments:

Meeting with consultants to discuss proposed next phase of soil vapor work

Action Type: Response Requested - Other
Action Date: 9/30/2008
Received Issue Date: 9/30/2008
Action: Other Report / Document
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5860509
Title Description Comments:

slab info 09.30.2008

Action Type: Response Requested - Other
Action Date: 9/15/2008
Received Issue Date:
Action: Other Report / Document
Doc Link:
Title Description Comments:

Results of Vapor Intrusion Evaluation - This requirement was rescinded in December 16, 2008, letter. Original due date was 9/15/2008.

Action Type: Other Regulatory Actions
Action Date: 9/9/2008
Received Issue Date: 9/9/2008
Action: Meeting
Doc Link:
Title Description Comments:

Meeting with consultant regarding soil gas results

Action Type: Other Regulatory Actions
Action Date: 8/4/2008
Received Issue Date: 8/4/2008
Action: Site Visit / Inspection / Sampling
Doc Link:
Title Description Comments:

Observe sampling of modified flux chamber and sub-slab soil gas sampling

Action Type: Response Requested - Reports
Action Date: 8/1/2008
Received Issue Date: 8/1/2008
Action: Monitoring Report - Quarterly
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859815
Title Description Comments:

2nd qtr 2008 grdwater mon prog rpt 07.01.2008

Action Type: Other Regulatory Actions
Action Date: 7/15/2008
Received Issue Date: 7/15/2008
Action: Site Visit / Inspection / Sampling
Doc Link:
Title Description Comments:

Inspect estuary shoreline with RP and consultant

Action Type: Response Requested - Reports
Action Date: 7/1/2008
Received Issue Date: 7/1/2008
Action: Monitoring Report - Quarterly
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859816
Title Description Comments:

2ND Qtr 2008 Groundwater Monitoring Program appendix 07.01.2008

Action Type: Enforcement/Orders
Action Date: 6/11/2008
Received Issue Date: 6/11/2008
Action: 13267 Requirement
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=5983645&temptable=ENFORCEMENT
Title Description Comments:

Review of Vapor Intrusion Evaluation Work Plan; Requirement for Technical Report

Action Type: Response Requested - Workplans
Action Date: 5/9/2008
Received Issue Date: 5/9/2008
Action: Soil Vapor Intrusion Investigation Workplan
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859093
Title Description Comments:

vapor intrusion eval work plan 05.08.2008

Action Type: Response Requested - Reports
Action Date: 5/1/2008
Received Issue Date: 5/1/2008
Action: Monitoring Report - Quarterly
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859806
Title Description Comments:

1st qtr 2008 grdwater mon prog rpt 04.01.2008

Action Type: Response Requested - Reports
Action Date: 4/30/2008
Received Issue Date: 4/30/2008
Action: Soil and Water Investigation Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859855
Title Description Comments:

groundwater field record appendix 04.30.2008

Action Type: Response Requested - Reports
Action Date: 2/1/2008
Received Issue Date: 2/1/2008
Action: Monitoring Report - Quarterly
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859850
Title Description Comments:

4th qtr 2007 grd water and soil vapor mon prog rpt 02.01.2008

Action Type: Response Requested - Reports
Action Date: 2/1/2008
Received Issue Date: 2/1/2008
Action: Monitoring Report - Quarterly
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859822
Title Description Comments:

3rd qtr 2007 grdwater and soil vapor mon prog rpt 02.01.2008

Action Type: Response Requested - Reports
Action Date: 8/24/2007
Received Issue Date: 8/24/2007
Action: Monitoring Report - Quarterly
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859814
Title Description Comments:

2nd qtr 2007 soil vapor mon rpt 08.23.2007

Action Type: Response Requested - Reports
Action Date: 8/2/2007
Received Issue Date: 8/2/2007
Action: Monitoring Report - Quarterly
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859813
Title Description Comments:

2nd qtr 2007 grd water mon rpt 07.31.2007

Action Type: Response Requested - Reports
Action Date: 5/7/2007
Received Issue Date: 5/7/2007
Action: Monitoring Report - Quarterly
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859805
Title Description Comments:

1st qtr 2007 grd water mon rpt 05.03.2007

Action Type: Response Requested - Reports
Action Date: 1/23/2007
Received Issue Date: 1/23/2007
Action: Monitoring Report - Quarterly
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859849
Title Description Comments:

4th qtr 2006 grd water monrpt 01.23.2007

Action Type: Response Requested - Reports
Action Date: 1/23/2007
Received Issue Date: 1/23/2007
Action: Monitoring Report - Quarterly
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859848
Title Description Comments:

4th qtr 2006 grd water monrpt 01.23.2007

Action Type: Response Requested - Other
Action Date: 1/1/2007
Received Issue Date: 1/1/2007
Action: Other Report / Document
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859871
Title Description Comments:

brownfields tech primer vapor intrusion considerations no date

Action Type: Response Requested - Other
Action Date: 12/21/2006
Received Issue Date: 12/21/2006
Action: Other Report / Document
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859082
Title Description Comments:

soil vapor quality evaluation 12.21.2006

Action Type: Response Requested - Reports
Action Date: 10/19/2006
Received Issue Date: 10/19/2006
Action: Monitoring Report - Quarterly
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859821
Title Description Comments:

3rd qtr 2006 grd water mon rpt 10.19.2006

Action Type: Response Requested - Workplans
Action Date: 9/22/2006
Received Issue Date: 9/22/2006
Action: Soil Vapor Intrusion Investigation Workplan
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859027
Title Description Comments:

revised work plan for soil vapor qual eval 09.20.2006

Action Type: Response Requested - Workplans
Action Date: 9/20/2006
Received Issue Date: 9/20/2006
Action: Other Workplan
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5664246
Title Description Comments:

Revised Work Plan for Soil Vapor Quality Evaluation

Action Type: Response Requested - Workplans
Action Date: 9/11/2006
Received Issue Date: 9/11/2006
Action: Soil Vapor Intrusion Investigation Workplan
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859056
Title Description Comments:

soil vapor qual eval 09.07.2006

Action Type: Response Requested - Reports
Action Date: 8/8/2006
Received Issue Date: 8/8/2006
Action: Monitoring Report - Quarterly
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859812
Title Description Comments:

2nd qtr 2006 grd water mon rpt 08.03.2006

Action Type: Other Regulatory Actions
Action Date: 4/10/2006
Received Issue Date: 4/10/2006
Action: Clean Up Fund - Letter to RP
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6337240&temptable=ENFORCEMENT
Title Description Comments:

Underground Storage Tank Cleanup Fund, Fund Manager Decision (FMD) for Eligibility Determination

Action Type: Response Requested - Reports
Action Date: 3/7/2006
Received Issue Date: 3/7/2006
Action: Monitoring Report - Quarterly
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859847
Title Description Comments:

4th qtr 2005 trd water mon. 02.10.2006

Action Type: Response Requested - Reports
Action Date: 11/23/2005
Received Issue Date: 11/23/2005
Action: Monitoring Report - Quarterly
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859820
Title Description Comments:

3rd qtr 2005 grd water mon rpt 11.21.2005

Action Type: Response Requested - Reports
Action Date: 11/23/2005
Received Issue Date: 11/23/2005
Action: Monitoring Report - Quarterly
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859819
Title Description Comments:

3rd qtr 2005 grd water mon rpt 11.21.2005

Action Type: Response Requested - Reports
Action Date: 8/9/2005
Received Issue Date: 8/9/2005
Action: Monitoring Report - Quarterly
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859811
Title Description Comments:

2nd qtr 2005 grd water mon rpt 08.02.2005

Action Type: Response Requested - Reports
Action Date: 5/4/2005
Received Issue Date: 5/4/2005
Action: Monitoring Report - Quarterly
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859800
Title Description Comments:

1st qtr 2005 grd water mon rpt 05.04.2005

Action Type: Response Requested - Reports
Action Date: 5/4/2005
Received Issue Date: 5/4/2005
Action: Monitoring Report - Quarterly
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859803
Title Description Comments:

1st qtr 2005 grd water mon rpt 05.04.2005

Action Type: Response Requested - Other
Action Date: 1/20/2005
Received Issue Date: 1/20/2005
Action: Other Report / Document
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859879
Title Description Comments:

city of oakland permit inspec rcd 01.20.2005

Action Type: Response Requested - Reports
Action Date: 1/5/2005
Received Issue Date: 1/5/2005
Action: Monitoring Report - Quarterly
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859845
Title Description Comments:

4th qtr 2004 grd water mon rpt 01.04.2005

Action Type: Enforcement/Orders
Action Date: 12/8/2004
Received Issue Date: 12/8/2004
Action: Amendment to Order
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6263098&temptable=ENFORCEMENT
Title Description Comments:

order to amend final cleanup req 12.08.2004

Action Type: Enforcement/Orders
Action Date: 12/7/2004
Received Issue Date: 12/7/2004
Action: Clean-up and Abatement Order
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6014776&temptable=ENFORCEMENT
Title Description Comments:

Order No. R2-2004-0096, Amendment of Site Cleanup Requirements (Order No. R2-2004-0046)

Action Type: Other Regulatory Actions
Action Date: 11/29/2004
Received Issue Date: 11/29/2004
Action: Deed Restriction / Land Use Restriction / Covenant
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=5992110&temptable=ENFORCEMENT
Title Description Comments:

Covenant and Environmental Restriction on Property, The Estuary Site management requirements are presented within the deed restriction and the Risk Management Plan attached to the deed restriction.

Action Type: Response Requested - Other
Action Date: 11/29/2004
Received Issue Date: 11/29/2004
Action: Other Report / Document
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859908
Title Description Comments:

county recording of coven and env restrictions 11.29.2004

Action Type: Enforcement/Orders
Action Date: 11/10/2004
Received Issue Date: 11/10/2004
Action: Amendment to Order
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6263096&temptable=ENFORCEMENT
Title Description Comments:

order to amend final cleanup req 11.10.2004

Action Type: Response Requested - Other
Action Date: 11/8/2004
Received Issue Date: 11/8/2004
Action: Other Report / Document
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859909

Title Description Comments:

county recording of coven and env restrictions 303 derby 11.08.2004

Action Type: Response Requested - Reports
Action Date: 11/5/2004
Received Issue Date: 11/5/2004
Action: Soil Vapor Intrusion Investigation Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5858828
Title Description Comments:

grd water soil vapor qual eval 11.05.2004

Action Type: Response Requested - Other
Action Date: 11/3/2004
Received Issue Date: 11/3/2004
Action: Other Report / Document
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5693697
Title Description Comments:

Approval of Technical Report and No Further Action for Harbor Walk Residential Development Site

Action Type: Notices
Action Date: 11/1/2004
Received Issue Date: 11/1/2004
Action: Letter - Notice
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6263088&temptable=ENFORCEMENT
Title Description Comments:

how to collect reliable soil gas data 11.01.2004

Action Type: Response Requested - Workplans
Action Date: 10/21/2004
Received Issue Date: 10/21/2004
Action: Other Workplan
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5625167
Title Description Comments:

Risk Management Plan, The Estuary and California Men's Crew House, Oakland, California

Action Type: Other Regulatory Actions
Action Date: 9/23/2004
Received Issue Date: 9/23/2004
Action: Closure/No Further Action Letter
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6261742&temptable=ENFORCEMENT
Title Description Comments:

response to investig rpt and rpt of interim remed action 09.23.2004

Action Type: Other Regulatory Actions
Action Date: 9/23/2004
Received Issue Date: 9/23/2004
Action: Closure/No Further Action Letter
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6261528&temptable=ENFORCEMENT
Title Description Comments:

ltr response to inivest rpt and rpt of interim remed action 09.23.2004

Action Type: Response Requested - Reports
Action Date: 9/15/2004
Received Issue Date: 9/15/2004

Action: Soil and Water Investigation Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5625868
Title Description Comments:

Estuary - Ground Water and Soil Vapor Quality Evaluation

Action Type: Response Requested - Workplans
Action Date: 9/15/2004
Received Issue Date: 9/15/2004
Action: Other Workplan
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859033
Title Description Comments:

risk management plan 09.13.2004

Action Type: Response Requested - Reports
Action Date: 9/8/2004
Received Issue Date: 9/8/2004
Action: Remedial Investigation Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5858842
Title Description Comments:

invest rpt and interim remed action rpt 09.03.2004

Action Type: Response Requested - Workplans
Action Date: 7/9/2004
Received Issue Date: 7/9/2004
Action: Other Workplan
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859032
Title Description Comments:

risk management plan 07.09.2004

Action Type: Response Requested - Workplans
Action Date: 7/8/2004
Received Issue Date: 7/8/2004
Action: Other Workplan
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5858844
Title Description Comments:

invest workplan 07.02.2004

Action Type: Other Regulatory Actions
Action Date: 6/24/2004
Received Issue Date: 6/24/2004
Action: Staff Letter
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6262791&temptable=ENFORCEMENT
Title Description Comments:

crwqcb adoption of final site clean req 06.24.2004

Action Type: Notices
Action Date: 6/23/2004
Received Issue Date: 6/23/2004
Action: Letter - Notice
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6263050&temptable=ENFORCEMENT
Title Description Comments:

cswrcb notice of exemption 06.23.2004

Action Type: Enforcement/Orders
Action Date: 6/16/2004

Received Issue Date: 6/16/2004
Action: Clean-up and Abatement Order
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6014774&temptable=ENFORCEMENT
Title Description Comments:

Order No. R2-2004-0046, Adoption of Final Site Cleanup Requirements

Action Type: Enforcement/Orders
Action Date: 6/16/2004
Received Issue Date: 6/16/2004
Action: Clean-up and Abatement Order
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6263111&temptable=ENFORCEMENT
Title Description Comments:

rwqcb adotion of final site cleanup requrements 06.16.2004

Action Type: Notices
Action Date: 6/16/2004
Received Issue Date: 6/16/2004
Action: Notice of Public Hearing / Board Action - #
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6262742&temptable=ENFORCEMENT
Title Description Comments:

ca rwqcb staff summary rpt 06.16.2004

Action Type: Other Regulatory Actions
Action Date: 5/28/2004
Received Issue Date: 5/28/2004
Action: Staff Letter
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6261741&temptable=ENFORCEMENT
Title Description Comments:

response to 4.28.2004 tech rpt 05.28.2004

Action Type: Response Requested - Other
Action Date: 5/19/2004
Received Issue Date: 5/19/2004
Action: Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5944090
Title Description Comments:

Underground Storage Tank Cleanup Fund Claim Number 017971

Action Type: Notices
Action Date: 5/14/2004
Received Issue Date: 5/14/2004
Action: Notice of Public Hearing / Board Action
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6262819&temptable=ENFORCEMENT
Title Description Comments:

crwqcb tentative order prop final site cleanup requirements 05.14.2004

Action Type: Other Regulatory Actions
Action Date: 5/13/2004
Received Issue Date: 5/13/2004
Action: Technical Correspondence / Assistance / Other
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6337185&temptable=ENFORCEMENT
Title Description Comments:

Re: Derby FSCR

Action Type: Response Requested - Other
Action Date: 5/3/2004
Received Issue Date: 5/3/2004
Action: Other Report / Document
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859873
Title Description Comments:

ca bus srch field and status def 05.03.2004

Action Type: Response Requested - Other
Action Date: 5/3/2004
Received Issue Date: 5/3/2004
Action: Request for Closure
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859088
Title Description Comments:

undergrd tank closure rpt and other docs 05.03.2004

Action Type: Response Requested - Reports
Action Date: 5/3/2004
Received Issue Date: 5/3/2004
Action: Remedial Investigation Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859053
Title Description Comments:

soil remediation ust 04.28.2004

Action Type: Response Requested - Other
Action Date: 4/30/2004
Received Issue Date: 4/30/2004
Action: Other Report / Document
Doc Link:
Title Description Comments:

revised soil removal completion rpt 04.29.2004

Action Type: Response Requested - Other
Action Date: 4/30/2004
Received Issue Date: 4/30/2004
Action: Other Report / Document
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859024
Title Description Comments:

revised soil removal completion rpt 04.29.2004

Action Type: Response Requested - Reports
Action Date: 4/21/2004
Received Issue Date: 4/21/2004
Action: Soil and Water Investigation Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5944066
Title Description Comments:

Boathouse Lofts Soil Investigation and Removal

Action Type: Response Requested - Other
Action Date: 4/5/2004
Received Issue Date: 4/5/2004
Action: Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5944080
Title Description Comments:

Fuel :Leak Case #RO0000437

Action Type: Other Regulatory Actions
Action Date: 3/22/2004
Received Issue Date: 3/22/2004
Action: Clean Up Fund - Letter to RP
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6337241&temptable=ENFORCEMENT
Title Description Comments:

Underground Storage Tank Cleanup Fund, Staff Decision to Reject Claim

Action Type: Other Regulatory Actions
Action Date: 3/12/2004
Received Issue Date: 3/12/2004
Action: File review
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6337183&temptable=ENFORCEMENT
Title Description Comments:

Conditional Acceptance of: Soil Removal Completion Report, Groundwater Quality Evaluation and Groundwater Quality Monitoring Work Plan

Action Type: Response Requested - Reports
Action Date: 3/4/2004
Received Issue Date: 3/4/2004
Action: Soil and Water Investigation Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5858810
Title Description Comments:

case narrative soil sampling 03.04.2004

Action Type: Other Regulatory Actions
Action Date: 3/1/2004
Received Issue Date: 3/1/2004
Action: File review
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6337173&temptable=ENFORCEMENT
Title Description Comments:

Comments on Corrective Action Completion Reports

Action Type: Response Requested - Reports
Action Date: 2/11/2004
Received Issue Date: 2/11/2004
Action: Soil and Water Investigation Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5858807
Title Description Comments:

case narrative soil sampling 02.10.2004

Action Type: Response Requested - Other
Action Date: 2/3/2004
Received Issue Date: 2/3/2004
Action: Email Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5944076
Title Description Comments:

Derby

Action Type: Other Regulatory Actions
Action Date: 2/2/2004
Received Issue Date: 2/2/2004
Action: File review
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6337193&temptable=ENFORCEMENT

Title Description Comments:

Review of Soil Removal Completion Report, Groundwater Quality Evaluation and Groundwater Quality Monitoring Work Plan

Action Type: Response Requested - Other
Action Date: 1/27/2004
Received Issue Date: 1/27/2004
Action: Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5858847
Title Description Comments:

ltr from w. wascko 01.26.2004

Action Type: Response Requested - Reports
Action Date: 1/14/2004
Received Issue Date: 1/14/2004
Action: Soil and Water Investigation Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859037
Title Description Comments:

shoreline sampling results 01.12.2004

Action Type: Response Requested - Reports
Action Date: 1/9/2004
Received Issue Date: 1/9/2004
Action: Remedial Action Complete
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859055
Title Description Comments:

soil removal complet rpt grd wtr eval and grd water qual mon work plan 01.06.2004

Action Type: Response Requested - Other
Action Date: 1/6/2004
Received Issue Date: 1/6/2004
Action: Other Report / Document
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5858821
Title Description Comments:

disposal documentation 01.06.2004

Action Type: Other Regulatory Actions
Action Date: 12/29/2003
Received Issue Date: 12/29/2003
Action: Staff Letter
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6261527&tempt able=ENFORCEMENT
Title Description Comments:

ltr respnse to condition approv of workplan 12.29.2003

Action Type: Response Requested - Workplans
Action Date: 12/23/2003
Received Issue Date: 12/23/2003
Action: Soil and Water Investigation Workplan - Addendum
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5858800
Title Description Comments:

addendum to work plan 12.18.2003

Action Type: Other Regulatory Actions
Action Date: 12/10/2003
Received Issue Date: 12/10/2003
Action: Meeting
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6261532&tempt

able=ENFORCEMENT

Title Description Comments:

mtg notes re scope of addl work needed 12.10.2003

Action Type: Response Requested - Other
Action Date: 11/21/2003
Received Issue Date: 11/21/2003
Action: Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5858806
Title Description Comments:

atty ltr re work plan for soil and grdwater remed 11.20.2003

Action Type: Response Requested - Other
Action Date: 11/4/2003
Received Issue Date: 11/4/2003
Action: Other Report / Document
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5944069
Title Description Comments:

Analytical Results for Verification Soil Samples

Action Type: Response Requested - Other
Action Date: 11/3/2003
Received Issue Date: 11/3/2003
Action: Email Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5944084
Title Description Comments:

Re: Meeting on November 5th

Action Type: Notices
Action Date: 11/1/2003
Received Issue Date: 11/1/2003
Action: Notice of Public Hearing / Board Action
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6262735&tempt able=ENFORCEMENT
Title Description Comments:

briefing 11.01.2003

Action Type: Response Requested - Workplans
Action Date: 10/31/2003
Received Issue Date: 10/31/2003
Action: Soil and Water Investigation Workplan
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859095
Title Description Comments:

work plan for soil and grndwater invest and remed 10.24.2003

Action Type: Response Requested - Other
Action Date: 10/24/2003
Received Issue Date: 10/24/2003
Action: Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5944086
Title Description Comments:

Data from Re-Sampling the Excavation Base

Action Type: Response Requested - Other
Action Date: 10/20/2003
Received Issue Date: 10/20/2003
Action: Correspondence

Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5944077
Title Description Comments:

Fuel Fingerprint

Action Type: Response Requested - Other
Action Date: 10/20/2003
Received Issue Date: 10/20/2003
Action: Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5944067
Title Description Comments:

Analytical Results for Verification Soil Samples

Action Type: Other Regulatory Actions
Action Date: 10/15/2003
Received Issue Date: 10/15/2003
Action: Technical Correspondence / Assistance / Other
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6337188&temptable=ENFORCEMENT
Title Description Comments:

Rejection of Shoreline Workplan

Action Type: Response Requested - Other
Action Date: 10/14/2003
Received Issue Date: 10/14/2003
Action: Other Report / Document
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5860239
Title Description Comments:

genl lab testing req for petroleum hydroc impacted sites 10.14.2003

Action Type: Response Requested - Workplans
Action Date: 10/10/2003
Received Issue Date: 10/10/2003
Action: Corrective Action Plan / Remedial Action Plan - Addendum
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5666689
Title Description Comments:

Harbor Walk - Approval of Letter Report and Soil Management Plan and Concurrence of suitable soil reuse

Action Type: Response Requested - Other
Action Date: 10/9/2003
Received Issue Date: 10/9/2003
Action: Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5944079
Title Description Comments:

Fuel Leak Case #RO0000437

Action Type: Response Requested - Workplans
Action Date: 10/8/2003
Received Issue Date: 10/8/2003
Action: Corrective Action Plan / Remedial Action Plan
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5858815
Title Description Comments:

correct action complet rpt and grd water mon work plan 09.17.2003

Action Type: Response Requested - Workplans
Action Date: 10/8/2003
Received Issue Date: 10/8/2003
Action: Corrective Action Plan / Remedial Action Plan - Addendum

Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5858820
Title Description Comments:

corrective action rpt grd water mon work plan 10.06.2003

Action Type: Response Requested - Workplans
Action Date: 10/8/2003
Received Issue Date: 10/8/2003
Action: Other Workplan
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859094
Title Description Comments:

work plan 10.08.2003

Action Type: Response Requested - Other
Action Date: 10/1/2003
Received Issue Date: 10/1/2003
Action: Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859018
Title Description Comments:

request for oversigh by rwqcb for redevel ltr 10.01.2003

Action Type: Response Requested - Workplans
Action Date: 9/26/2003
Received Issue Date: 9/26/2003
Action: Soil and Water Investigation Workplan
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859051
Title Description Comments:

soil management plan 09.24.2003

Action Type: Response Requested - Other
Action Date: 9/24/2003
Received Issue Date: 9/24/2003
Action: Other Report / Document
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859083
Title Description Comments:

suitability of soil reuse as imprted fill 09.23.2003

Action Type: Response Requested - Workplans
Action Date: 9/24/2003
Received Issue Date: 9/24/2003
Action: Other Workplan
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5721599
Title Description Comments:

Site Management Plan, Harbor Walk Residential Site, Glascock and Lancaster Streets, Oakland, CA

Action Type: Response Requested - Other
Action Date: 9/21/2003
Received Issue Date: 9/21/2003
Action: Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5944101
Title Description Comments:

Letter From Lowney Associates

Action Type: Response Requested - Other
Action Date: 9/17/2003
Received Issue Date: 9/17/2003
Action: Correspondence

Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5944085
Title Description Comments:

Letter From Lowney Associates

Action Type: Cleanup Action
Action Date: 9/16/2003
Received Issue Date:
Action: Excavation
Doc Link:
Title Description Comments:

Multiple overexcavations, including removal of 2 undocumented USTs; excavation water sent to sanitary sewer. Contaminant mass not recorded.

Action Type: Response Requested - Other
Action Date: 9/16/2003
Received Issue Date: 9/16/2003
Action: Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5944083
Title Description Comments:

Letter Discussing Workplan

Action Type: Notices
Action Date: 9/12/2003
Received Issue Date: 9/12/2003
Action: Notice of Public Hearing / Board Action
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6262713&temptable=ENFORCEMENT
Title Description Comments:

bcdc bcdc permit app 09.12.2003

Action Type: Response Requested - Other
Action Date: 9/12/2003
Received Issue Date: 9/12/2003
Action: Other Report / Document
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859087
Title Description Comments:

technical summary rpt 09.10.2003

Action Type: Notices
Action Date: 9/5/2003
Received Issue Date: 9/5/2003
Action: Notice of Public Hearing / Board Action
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6262711&temptable=ENFORCEMENT
Title Description Comments:

bcdc appl summary friends of mens crew 09.05.2003

Action Type: Notices
Action Date: 9/5/2003
Received Issue Date: 9/5/2003
Action: Notice of Public Hearing / Board Action
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6262721&temptable=ENFORCEMENT
Title Description Comments:

bcdc permit app friends of ca mens crew 09.05.2003

Action Type: Response Requested - Reports
Action Date: 8/15/2003

Received Issue Date: 8/15/2003
Action: Site Assessment Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5858852
Title Description Comments:

phase 1 2002 env site assess rpt 11.04.2002

Action Type: Response Requested - Reports
Action Date: 8/15/2003
Received Issue Date: 8/15/2003
Action: Soil and Water Investigation Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5858803
Title Description Comments:

addl soil and water investigation 08.11.2003

Action Type: Response Requested - Reports
Action Date: 8/15/2003
Received Issue Date: 8/15/2003
Action: Site Assessment Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5858855
Title Description Comments:

phase 2 env site assessment 04.01.2003

Action Type: Response Requested - Reports
Action Date: 8/15/2003
Received Issue Date: 8/15/2003
Action: Site Assessment Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5858853
Title Description Comments:

phase 2 env site assessment 04.01.2003

Action Type: Response Requested - Other
Action Date: 8/14/2003
Received Issue Date: 8/14/2003
Action: Other Report / Document
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5858825
Title Description Comments:

evaluation of soil for reuse as imported fill 08.14.2003

Action Type: Response Requested - Other
Action Date: 8/8/2003
Received Issue Date: 8/8/2003
Action: Email Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5944095
Title Description Comments:

Summary of 2901 Glascock Street

Action Type: Other Regulatory Actions
Action Date: 7/29/2003
Received Issue Date: 7/29/2003
Action: Technical Correspondence / Assistance / Other
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6337242&temptable=ENFORCEMENT
Title Description Comments:

Water Quality Certification

Action Type: Response Requested - Reports
Action Date: 7/25/2003

Received Issue Date: 7/25/2003
Action: Monitoring Report - Quarterly
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859810
Title Description Comments:

2nd qtr 2003 grd water mon rpt 07.22.2003

Action Type: Response Requested - Other
Action Date: 6/23/2003
Received Issue Date: 6/23/2003
Action: Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5858848
Title Description Comments:

ltr want meeting with board 06.19.2003

Action Type: Notices
Action Date: 6/10/2003
Received Issue Date: 6/10/2003
Action: Letter - Notice
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6261769&temptable=ENFORCEMENT
Title Description Comments:

program for recovery of oversight costs draft 06.10.2003

Action Type: Response Requested - Other
Action Date: 5/29/2003
Received Issue Date: 5/29/2003
Action: Other Report / Document
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859854
Title Description Comments:

alameda cty drilling permit app 05.29.2003

Action Type: Notices
Action Date: 5/15/2003
Received Issue Date: 5/15/2003
Action: Notice of Public Hearing / Board Action
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6262733&temptable=ENFORCEMENT
Title Description Comments:

bcdc staff summ and meeting notice uc regents 05.15.2003

Action Type: Notices
Action Date: 5/9/2003
Received Issue Date: 5/9/2003
Action: Notice of Public Hearing / Board Action
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6262722&temptable=ENFORCEMENT
Title Description Comments:

bcdc permit app rec summary 05.09.2003

Action Type: Notices
Action Date: 5/2/2003
Received Issue Date: 5/2/2003
Action: Notice of Public Hearing / Board Action
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6262728&temptable=ENFORCEMENT
Title Description Comments:

bcdc staff summ and meeting notice uc regents 05.02.2003

Action Type: Response Requested - Reports
Action Date: 5/2/2003
Received Issue Date: 5/2/2003
Action: Monitoring Report - Quarterly
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859799
Title Description Comments:

1st qtr 2003 grd water mon 04.16.2003

Action Type: Response Requested - Other
Action Date: 4/23/2003
Received Issue Date: 4/23/2003
Action: Other Report / Document
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5858814
Title Description Comments:

closure in place of undergrd storage tank 04.21.2003

Action Type: Response Requested - Other
Action Date: 4/23/2003
Received Issue Date: 4/23/2003
Action: Request for Closure
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859089
Title Description Comments:

underground storage tank closure rpt 03.13.2003

Action Type: Notices
Action Date: 3/10/2003
Received Issue Date: 3/10/2003
Action: Notice of Public Hearing / Board Action
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6262718&tempt able=ENFORCEMENT
Title Description Comments:

bcdc design review board notice 03.10.2003

Action Type: Response Requested - Workplans
Action Date: 3/3/2003
Received Issue Date: 3/3/2003
Action: Other Workplan
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859029
Title Description Comments:

risk management plan 02.03.2003

Action Type: Response Requested - Other
Action Date: 2/1/2003
Received Issue Date: 2/1/2003
Action: Other Report / Document
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5858859
Title Description Comments:

planned redevelopment 01.31.2003

Action Type: Response Requested - Reports
Action Date: 1/31/2003
Received Issue Date: 1/31/2003
Action: Soil and Water Investigation Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5858837
Title Description Comments:

ground water sampling plan 01.30.2003

Action Type: Response Requested - Reports
Action Date: 1/31/2003
Received Issue Date: 1/31/2003
Action: Monitoring Report - Quarterly
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859844
Title Description Comments:

4th qtr 2002 ground water mon 01.22.2003

Action Type: Notices
Action Date: 1/30/2003
Received Issue Date: 1/30/2003
Action: Notice of Public Hearing / Board Action
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6262720&temptable=ENFORCEMENT
Title Description Comments:

bcdc draft min of 01.06.03 des review 01.30.2003

Action Type: Response Requested - Other
Action Date: 1/27/2003
Received Issue Date: 1/27/2003
Action: Other Report / Document
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5860512
Title Description Comments:

table metals and pesticides in soil 1.27.2003

Action Type: Response Requested - Other
Action Date: 1/7/2003
Received Issue Date: 1/7/2003
Action: Other Report / Document
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5860279
Title Description Comments:

lowney assoc cleanup goals maps 01.07.2003

Action Type: Response Requested - Other
Action Date: 1/6/2003
Received Issue Date: 1/6/2003
Action: Email Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5944093
Title Description Comments:

Re: Soil Re-Use at Iconco

Action Type: Notices
Action Date: 1/6/2003
Received Issue Date: 1/6/2003
Action: Notice of Public Hearing / Board Action
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6262717&temptable=ENFORCEMENT
Title Description Comments:

bcdc design review board meeting notice 01.06.2003

Action Type: Notices
Action Date: 12/19/2002
Received Issue Date: 12/19/2002
Action: Notice of Public Hearing / Board Action
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6262719&temptable=ENFORCEMENT
Title Description Comments:

bcdc design review for 1.6.03 consid 12.19.2002

Action Type: Other Regulatory Actions
Action Date: 12/3/2002
Received Issue Date: 12/3/2002
Action: Technical Correspondence / Assistance / Other
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6337184&temptable=ENFORCEMENT
Title Description Comments:

Conditional Approval of Corrective Action Plan

Action Type: Response Requested - Other
Action Date: 11/20/2002
Received Issue Date: 11/20/2002
Action: Other Report / Document
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5860282
Title Description Comments:

oakland plan com design review staff rpt 11.20.2002

Action Type: Response Requested - Other
Action Date: 11/6/2002
Received Issue Date: 11/6/2002
Action: Fact Sheets - Public Participation
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5860267
Title Description Comments:

living in a ca common interest development 11.06.2002

Action Type: Response Requested - Workplans
Action Date: 11/5/2002
Received Issue Date: 11/5/2002
Action: Corrective Action Plan / Remedial Action Plan
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5858817
Title Description Comments:

corrective action plan 10.31.2002

Action Type: Response Requested - Reports
Action Date: 10/31/2002
Received Issue Date: 10/31/2002
Action: CAP/RAP - Feasibility Study Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5648844
Title Description Comments:

Corrective Action Plan (Part 2 of 2)

Action Type: Response Requested - Reports
Action Date: 10/31/2002
Received Issue Date: 10/31/2002
Action: CAP/RAP - Feasibility Study Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5648843
Title Description Comments:

Corrective Action Plan (Part 1 of 2)

Action Type: Other Regulatory Actions
Action Date: 10/28/2002
Received Issue Date: 10/28/2002
Action: File review
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6337191&temptable=ENFORCEMENT

Title Description Comments:

Review of Revised Corrective Action Plan

Action Type: Response Requested - Other
Action Date: 10/22/2002
Received Issue Date: 10/22/2002
Action: Other Report / Document
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5860296
Title Description Comments:

qual guidelines for soil remed 10.22.2002

Action Type: Response Requested - Other
Action Date: 9/26/2002
Received Issue Date: 9/26/2002
Action: Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5858826
Title Description Comments:

fire dept ltr re phase 2 subsurface invest. 09.26.2002

Action Type: Other Regulatory Actions
Action Date: 9/25/2002
Received Issue Date: 9/25/2002
Action: File review
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6337190&tempt able=ENFORCEMENT
Title Description Comments:

Review of Corrective Action Plan

Action Type: Response Requested - Workplans
Action Date: 9/16/2002
Received Issue Date: 9/16/2002
Action: Corrective Action Plan / Remedial Action Plan - Addendum
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5858819
Title Description Comments:

corrective action plan addendum 09.16.2002

Action Type: Response Requested - Other
Action Date: 8/20/2002
Received Issue Date: 8/20/2002
Action: Email Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5944082
Title Description Comments:

Iconco

Action Type: Response Requested - Workplans
Action Date: 7/23/2002
Received Issue Date: 7/23/2002
Action: Corrective Action Plan / Remedial Action Plan - Addendum
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5858818
Title Description Comments:

corrective action plan addendum 07.19.2002

Action Type: Other Regulatory Actions
Action Date: 7/12/2002
Received Issue Date: 7/12/2002
Action: Annual Estimation Letter
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6337239&tempt

able=ENFORCEMENT

Title Description Comments:

Spills, Leaks, Investigations, and Cleanup (SLIC) Program for Recovery of Oversight

Action Type: Response Requested - Other
Action Date: 7/10/2002
Received Issue Date: 7/10/2002
Action: Other Report / Document
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859044
Title Description Comments:

site summary report 05.29.2002

Action Type: Response Requested - Other
Action Date: 7/10/2002
Received Issue Date: 7/10/2002
Action: Other Report / Document
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5858861
Title Description Comments:

planned redevelopment 07.08.2002

Action Type: Response Requested - Workplans
Action Date: 6/6/2002
Received Issue Date: 6/6/2002
Action: Corrective Action Plan / Remedial Action Plan
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5858816
Title Description Comments:

corrective action plan 06.03.2002

Action Type: Response Requested - Other
Action Date: 7/24/2001
Received Issue Date: 7/24/2001
Action: Other Report / Document
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5858851
Title Description Comments:

petroleum hydrocarbons in shallow soils and grdwatr 07.23.2001

Action Type: Response Requested - Other
Action Date: 1/1/2001
Received Issue Date: 1/1/2001
Action: Other Report / Document
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5860277
Title Description Comments:

lovey assoc misc soil qual maps 01.01.2001

Action Type: Cleanup Action
Action Date: 4/1/1997
Received Issue Date:
Action: Ex Situ Physical/Chemical Treatment (other than P&T, SVE, or Excavation)
Doc Link:
Title Description Comments:

Oxygen-release compound (ORC) placed into 3 monitoring wells in 1997 and 1999, into 15 borings in 1999, into 50 borings in March 2003, and 5 borings in June 2003. Injection volume noted as treated volume.

Action Type: Cleanup Action
Action Date: 2/1/1993
Received Issue Date:
Action: Excavation

Doc Link:
Title Description Comments:

Overexcavation associated with removal of 2 USTs at 2901 Glascock Street. Volume and contaminant mass removed not recorded. Dates are estimated (February 1993).

Action Type: Other Regulatory Actions
Action Date: 8/26/1985
Received Issue Date: 8/26/1985
Action: Staff Letter
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6263131&temptable=ENFORCEMENT
Title Description Comments:

rwqcb proposed purchase of simmons oil term site 08.26.1985

Action Type: Leak Action
Action Date: 8/1/1985
Received Issue Date:
Action: Leak Stopped
Doc Link:
Title Description Comments:

Action Type: Response Requested - Reports
Action Date: 6/1/1982
Received Issue Date: 6/1/1982
Action: Soil and Water Investigation Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5860259
Title Description Comments:

investigation of subsurface prod 06.01.1982

Action Type: Enforcement/Orders
Action Date: 7/30/1980
Received Issue Date: 7/30/1980
Action: 13267 Monitoring Program
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6263113&temptable=ENFORCEMENT
Title Description Comments:

rwqcb compliance mon rpt 07.30.1980

Action Type: Enforcement/Orders
Action Date: 8/6/1974
Received Issue Date: 8/6/1974
Action: NPDES Permit
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6263143&temptable=ENFORCEMENT
Title Description Comments:

rwqcb shell oil contingency plans 08.06.1974

Action Type: Enforcement/Orders
Action Date: 1/22/1974
Received Issue Date: 1/22/1974
Action: Waste Discharge Requirements
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6263148&temptable=ENFORCEMENT
Title Description Comments:

rwqcb waste disch require for shell 01.22.1974

Action Type: Enforcement/Orders
Action Date: 1/22/1974

Received Issue Date: 1/22/1974
Action: Waste Discharge Requirements
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6263145&temptable=ENFORCEMENT
Title Description Comments:

rwqcb waste disch requir 01.22.1974

Action Type: Notices
Action Date: 12/2/1973
Received Issue Date: 12/2/1973
Action: Notice of Public Hearing / Board Action
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6263139&temptable=ENFORCEMENT
Title Description Comments:

rwqcb shell meeting info 12.02.1973

Action Type: Response Requested - Other
Action Date: 11/26/1973
Received Issue Date: 11/26/1973
Action: Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5860507
Title Description Comments:

shell oil ltr re pending permit 11.20.1973

Action Type: Response Requested - Other
Action Date: 11/26/1973
Received Issue Date: 11/26/1973
Action: Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5860501
Title Description Comments:

shell ltr re permit app 11.20.1973

Action Type: Notices
Action Date: 10/23/1973
Received Issue Date: 10/23/1973
Action: Notice of Public Hearing / Board Action
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6263134&temptable=ENFORCEMENT
Title Description Comments:

rwqcb shell app for waste discharge requirements 10.23.1973

Action Type: Notices
Action Date: 10/21/1973
Received Issue Date: 10/21/1973
Action: Notice of Public Hearing / Board Action
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6263124&temptable=ENFORCEMENT
Title Description Comments:

rwqcb memo re shell 10.21.1973

Action Type: Response Requested - Other
Action Date: 10/21/1973
Received Issue Date: 10/21/1973
Action: Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5860280
Title Description Comments:

memo rwqcb shell 10.21.1973

Action Type: Response Requested - Other
Action Date: 6/28/1971
Received Issue Date: 6/28/1971
Action: Other Report / Document
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5860293
Title Description Comments:

plant process and discharge descrip 06.28.1971

Action Type: Response Requested - Other
Action Date: 1/1/1970
Received Issue Date: 1/1/1970
Action: Other Report / Document
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5860287
Title Description Comments:

oil spills 1970 01.01.1970

Action Type: Response Requested - Other
Action Date: 12/31/1969
Received Issue Date: 12/31/1969
Action: Other Report / Document
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5859877
Title Description Comments:

chevron types of fuels article 12.31.1969

Action Type: Response Requested - Other
Action Date: 1/1/1951
Received Issue Date: 1/1/1951
Action: Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL600192789&doc_id=5860214
Title Description Comments:

division of fish and game report for july 1942 01.01.1950

Cleanup Program Sites from GeoTracker Search - Deed Restrictions(as of Jan 18, 2019)

Date Recorded: 11/29/2004
Site Management Requirements: ACTIVITIES PROHIBITED WHICH DISTURB THE REMEDY AND MONITORING SYSTEMS WITHOUT APPROVAL, MAINTAIN MONITORING OF GROUNDWATER, NO EXCAVATION OF CONTAMINATED SOILS WITHOUT AGENCY REVIEW AND APPROVAL, NO GROUNDWATER EXTRACTION AT ANY DEPTH WITHOUT APPROVAL, NOTIFY DAMAGES TO REMEDY AND MONITORING SYSTEMS UPON DISCOVERY, NOTIFY PRIOR TO SUBSURFACE WORK
Covenant Doc Link: http://geotracker.waterboards.ca.gov/view_documents?cmd=radocuments&global_id=SL600192789&enforcement_id=5992110

Cleanup Program Sites from GeoTracker Search - Documents(as of Jan 18, 2019)

Document Type: Monitoring Reports ***Submitted:***
Document Date: 10/31/2018* ***Submitted By:*** URS - OAKLAND (CONTRACTOR)
Size : 12,694 KB
Title: SECOND SEMI-ANNUAL 2018 GROUNDWATER MONITORING REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2485528051/SL600192789.PDF
Type: MONITORING REPORT - SEMI-ANNUALLY

Document Type: Site Documents ***Submitted:***
Document Date: 10/22/2018 ***Submitted By:*** CECILIO FELIX (REGULATOR)
Size :
Title: SETTLEMENT AGREEMENT
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5978780
Type: SETTLEMENT AGREEMENT

Document Type: Site Documents **Submitted:**
Document Date: 6/30/2018 **Submitted By:** JOHN SEAL (REGULATOR)
Size :
Title: ANNUAL ESTIMATE LETTER
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6363943
Type: ANNUAL ESTIMATION LETTER

Document Type: Monitoring Reports **Submitted:**
Document Date: 4/30/2018 **Submitted By:** URS - OAKLAND (CONTRACTOR)
Size : 11,709 KB
Title: FIRST SEMI-ANNUAL 2018 GROUNDWATER MONITORING REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5269919037/SL600192789.PDF
Type: MONITORING REPORT - SEMI-ANNUALLY

Document Type: Site Documents **Submitted:**
Document Date: 11/8/2017 **Submitted By:** CECILIO FELIX (REGULATOR)
Size :
Title: EMAIL TO PGE REGARDING UTILITY WORK NEARBY THE SIGNATURE PROPERTIES SITE AND REQUESTING DATA THAT MAY BE USEFUL TO EVALUATING THE SITE.
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6342008
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER

Document Type: Monitoring Reports **Submitted:**
Document Date: 10/31/2017* **Submitted By:** URS - OAKLAND (CONTRACTOR)
Size : 10,475 KB
Title: SECOND SEMI-ANNUAL 2017 GROUNDWATER MONITORING REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4558758676/SL600192789.PDF
Type: MONITORING REPORT - SEMI-ANNUALLY

Document Type: Site Documents **Submitted:**
Document Date: 10/25/2017 **Submitted By:** CECILIO FELIX (REGULATOR)
Size :
Title: REQUEST FOR MEETING TO DISCUSS OPPOSITION TO PROPOSED FEASIBILITY STUDY AND REMEDIAL ACTION PLAN. - REGULATOR RESPONSE
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5947111
Type: CORRESPONDENCE

Document Type: Site Documents **Submitted:**
Document Date: 6/30/2017 **Submitted By:** CECILIO FELIX (REGULATOR)
Size :
Title: COST RECOVERY ANNUAL ESTIMATE LETTER
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6325110
Type: ANNUAL ESTIMATION LETTER

Document Type: Monitoring Reports **Submitted:**
Document Date: 5/1/2017 **Submitted By:** URS - OAKLAND (CONTRACTOR)
Size : 12,332 KB
Title: FIRST SEMI-ANNUAL 2017 GROUNDWATER MONITORING REPORT (FOURTH QUARTER 2016 AND FIRST QUARTER 2017)
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5946814179/SL600192789.PDF
Type: MONITORING REPORT - SEMI-ANNUALLY

Document Type: Site Documents **Submitted:**
Document Date: 4/14/2017 **Submitted By:** URS - OAKLAND (CONTRACTOR)
Size : 18,053 KB
Title: FEASIBILITY STUDY AND REMEDIAL ACTION PLAN
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6824042975/SL600192789.PDF
Type: FEASIBILITY STUDY (FS)

Document Type: Site Documents **Submitted:**
Document Date: 3/13/2017 **Submitted By:** CECILIO FELIX (REGULATOR)
Size :
Title: APPROVAL OF PIPELINE, PROMENADE, AND SOIL VAPOR ASSESSMENT REPORT AND REQUIREMENT FOR FEASIBILITY STUDY
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6314376
Type: STAFF LETTER

Document Type: Monitoring Reports **Submitted:**
Document Date: 10/31/2016* **Submitted By:** URS - OAKLAND (CONTRACTOR)

Size : 9,545 KB
Title: SECOND SEMI-ANNUAL 2016 GROUNDWATER MONITORING REPO RT (SECOND QUARTER 2016 AND THIRD QUARTER 2016)
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2356894135/SL600192789.PDF
Type: MONITORING REPORT - SEMI-ANNUALLY

Document Type: Site Documents **Submitted:**
Document Date: 6/30/2016 **Submitted By:** HOLLUND RUDOLPH (REGULATOR)
Size :
Title: ANNUAL ESTIMATE FOR SCP COST RECOVERY OVERSIGHT FOR 2901 TO 2999 GLASCOCK STREET AND INCLUDING BOWSMAN COURT, CHANNEL WAY AND REGATTA DRIVE, OAKLAND, ALAMEDA COUNTY
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6290021
Type: ANNUAL ESTIMATION LETTER

Document Type: Monitoring Reports **Submitted:**
Document Date: 5/2/2016* **Submitted By:** URS - OAKLAND (CONTRACTOR)
Size : 12,622 KB
Title: FIRST SEMI-ANNUAL 2016 GROUNDWATER MONITORING REPORT (FOURTH QUARTER 2015 AND FIRST QUARTER 2016)
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9443945348/SL600192789.PDF
Type: MONITORING REPORT - SEMI-ANNUALLY

Document Type: Site Documents **Submitted:**
Document Date: 11/2/2015* **Submitted By:** URS - OAKLAND (CONTRACTOR)
Size : 32,881 KB
Title: PIPELINE, PROMENADE AND SOIL VAPOR ASSESSMENT TECHNICAL REPORT - THE ESTUARY
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7317259371/SL600192789.PDF
Type: SITE ASSESSMENT REPORT

Document Type: Monitoring Reports **Submitted:**
Document Date: 10/30/2015* **Submitted By:** URS - OAKLAND (CONTRACTOR)
Size : 5,497 KB
Title: SECOND SEMI-ANNUAL 2015 GROUNDWATER MONITORING REPORT (SECOND QUARTER 2015 AND THIRD QUARTER 2015)
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9989844620/SL600192789.PDF
Type: MONITORING REPORT - SEMI-ANNUALLY

Document Type: Site Documents **Submitted:**
Document Date: 7/15/2015 **Submitted By:** ASHA TURMAN (REGULATOR)
Size :
Title: ANNUAL ESTIMATE FOR SCP COST RECOVERY OVERSIGHT FOR 2901 TO 2999 GLASCOCK STREET AND INCLUDING BOWSMAN COURT, CHANNEL WAY AND REGATTA DRIVE, OAKLAND, ALAMEDA COUNTY
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6253221
Type: ANNUAL ESTIMATION LETTER

Document Type: Site Documents **Submitted:**
Document Date: 7/10/2015 **Submitted By:** CLEET CARLTON (REGULATOR)
Size :
Title: APPROVAL OF PIPELINE AND SOIL VAPOR ASSESSMENT WORK PLAN ADDENDUM; REQUIREMENT FOR TECHNICAL REPORT
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6252208
Type: 13267 REQUIREMENT

Document Type: Site Documents **Submitted:**
Document Date: 7/1/2015 **Submitted By:** URS - OAKLAND (CONTRACTOR)
Size : 4,363 KB
Title: REMEDIAL INVESTIGATION DATA PACKAGE - THE ESTUARY (1 OF 2)
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2514174044/SL600192789.PDF
Type: REMEDIAL INVESTIGATION REPORT

Document Type: Site Documents **Submitted:**
Document Date: 7/1/2015 **Submitted By:** URS - OAKLAND (CONTRACTOR)
Size : 4,515 KB
Title: REMEDIAL INVESTIGATION DATA PACKAGE - THE ESTUARY (2 OF 2)
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7114973604/SL600192789.PDF
Type: REMEDIAL INVESTIGATION REPORT

Document Type: Site Documents **Submitted:**
Document Date: 6/25/2015 **Submitted By:** URS - OAKLAND (CONTRACTOR)

Size : 87 KB
Title: PIPELINE AND SOIL VAPOR ASSESSMENT TECHNICAL REPORT - EXTENSION REQUEST
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4338274121/SL600192789.PDF
Type: CORRESPONDENCE

Document Type: Monitoring Reports **Submitted:**
Document Date: 4/30/2015 **Submitted By:** URS - OAKLAND (CONTRACTOR)
Size : 4,957 KB
Title: FIRST SEMI-ANNUAL 2015 GROUNDWATER MONITORING REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6151071906/SL600192789.PDF
Type: MONITORING REPORT - SEMI-ANNUALLY

Document Type: Site Documents **Submitted:**
Document Date: 4/28/2015 **Submitted By:** URS - OAKLAND (CONTRACTOR)
Size : 1,759 KB
Title: PIPELINE AND SOIL VAPOR ASSESSMENT WORK PLAN ADDENDUM
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3394614517/SL600192789.PDF
Type: SOIL AND WATER INVESTIGATION WORKPLAN - ADDENDUM

Document Type: Site Documents **Submitted:**
Document Date: 4/16/2015 **Submitted By:** URS - OAKLAND (CONTRACTOR)
Size : 707 KB
Title: REMEDIAL INVESTIGATION TECHNICAL REPORT COMMENTS
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3465185582/SL600192789.PDF
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**
Document Date: 3/25/2015 **Submitted By:** CLEET CARLTON (REGULATOR)
Size :
Title: MEETING WITH HOA AND SHELL TECHNICAL REPRESENTATIVES TO DISCUSS 12/19/2014 RI REPORT.
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6240157
Type: MEETING

Document Type: Site Documents **Submitted:**
Document Date: 1/28/2015 **Submitted By:** CLEET CARLTON (REGULATOR)
Size :
Title: CONDITIONAL APPROVAL OF PIPELINE AND SOIL VAPOR ASSESSMENT WORK PLAN; REQUIREMENT FOR TECHNICAL REPORT
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6234648
Type: 13267 REQUIREMENT

Document Type: Site Documents **Submitted:**
Document Date: 12/19/2014 **Submitted By:** URS - OAKLAND (CONTRACTOR)
Size : 16,968 KB
Title: REMEDIAL INVESTIGATION TECHNICAL REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2235831558/SL600192789.PDF
Type: REMEDIAL INVESTIGATION REPORT

Document Type: Site Documents **Submitted:**
Document Date: 11/13/2014 **Submitted By:** CLEET CARLTON (REGULATOR)
Size :
Title: MEETING TO DISCUSS SOIL VAPOR AND PIPELINE INVESTIGATION WORK PLAN
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6235986
Type: MEETING

Document Type: Monitoring Reports **Submitted:**
Document Date: 10/31/2014 **Submitted By:** URS - OAKLAND (CONTRACTOR)
Size : 5,117 KB
Title: SECOND SEMI-ANNUAL 2014 GROUNDWATER MONITORING REPORT (SECOND QUARTER 2014 AND THIRD QUARTER 2014)
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1527971386/SL600192789.PDF
Type: MONITORING REPORT - SEMI-ANNUALLY

Document Type: Site Documents **Submitted:**
Document Date: 10/9/2014 **Submitted By:** CLEET CARLTON (REGULATOR)
Size :
Title: ESTUARY OWNERS ASSOCIATION COMMENTS ON PIPELINE/SOIL VAPOR ASSESSMENT WORK PLAN - REGULATOR RESPONSE
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5818819

Type: CORRESPONDENCE

Document Type: Site Documents **Submitted:**
Document Date: 8/29/2014 **Submitted By:** URS - OAKLAND (CONTRACTOR)
Size : 7,904 KB
Title: PIPELINE AND SOIL VAPOR ASSESSMENT WORK PLAN
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7924455165/SL600192789.PDF
Type: REMEDIAL INVESTIGATION WORKPLAN

Document Type: Site Documents **Submitted:**
Document Date: 8/20/2014 **Submitted By:** CLEET CARLTON (REGULATOR)
Size :
Title: SITE INSPECTION OF CPT/UVOST DRILLING ALONG THE PROMENADE.
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6235991
Type: SITE VISIT / INSPECTION / SAMPLING

Document Type: Site Documents **Submitted:**
Document Date: 8/18/2014 **Submitted By:** CLEET CARLTON (REGULATOR)
Size :
Title: SITE INSPECTION OF CPT/UVOST DRILLING ALONG PROMENADE.
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6235990
Type: SITE VISIT / INSPECTION / SAMPLING

Document Type: Site Documents **Submitted:**
Document Date: 7/22/2014 **Submitted By:** MICHAEL WRIGLEY (REGULATOR)
Size :
Title: COST RECOVERY LETTER FY 2014-15 - 7.22.14
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6215425
Type: COST RECOVERY AGREEMENT / N. OF REIMBURSEMENT

Document Type: Site Documents **Submitted:**
Document Date: 7/14/2014 **Submitted By:** CLEET CARLTON (REGULATOR)
Size : 170 KB
Title: FACT SHEET - NOTIFICATION OF ENVIRONMENTAL WORK, THE ESTUARY, OAKLAND, ALAMEDA COUNTY
Title Link: http://geotracker.waterboards.ca.gov/community_involvement/6442319571/Estuary%20%2DFact%20Sheet%20%2D%20July%202014%2Epdf
Type: UPDATES AND INFORMATION - FACT SHEET

Document Type: Site Documents **Submitted:**
Document Date: 7/11/2014 **Submitted By:** CLEET CARLTON (REGULATOR)
Size :
Title: CONDITIONAL APPROVAL OF INVESTIGATION WORK PLAN AND ADDENDUM; REQUIREMENT FOR WORK PLAN AND TECHNICAL REPORT
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6211977
Type: 13267 REQUIREMENT

Document Type: Monitoring Reports **Submitted:**
Document Date: 4/30/2014 **Submitted By:** URS - OAKLAND (CONTRACTOR)
Size : 6,149 KB
Title: FIRST SEMI-ANNUAL 2014 GROUNDWATER MONITORING REPORT (FOURTH QUARTER 2013 AND FIRST QUARTER 2014)
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3169900119/SL600192789.PDF
Type: MONITORING REPORT - SEMI-ANNUALLY

Document Type: Site Documents **Submitted:**
Document Date: 4/10/2014 **Submitted By:** CLEET CARLTON (REGULATOR)
Size :
Title: EMAIL CORRESPONDENCE - PROPOSED RESOLUTION TO COMMENTS AND RESPONSES.
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6209778
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER

Document Type: Site Documents **Submitted:**
Document Date: 12/18/2013 **Submitted By:** URS - OAKLAND (CONTRACTOR)
Size : 3,577 KB
Title: SEPTEMBER 2013 SUB-SLAB ASSESSMENT RESULTS
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5171555995/SL600192789.PDF
Type: SITE INVESTIGATION

Document Type: Monitoring Reports **Submitted:**

Document Date: 10/31/2013 **Submitted By:** URS - OAKLAND (CONTRACTOR)
Size : 4,047 KB
Title: THIRD QUARTER 2013 GROUNDWATER MONITORING REPORT - THE ESTUARY, 2901-2999 GLASCOCK STREET, OAKLAND CALIFORNIA
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3981927096/SL600192789.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Site Documents **Submitted:**
Document Date: 10/4/2013 **Submitted By:** CLEET CARLTON (REGULATOR)
Size :
Title: MODIFICATION TO SELF-MONITORING PROGRAM FOR ORDER NO. R2-2004-0046
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6177866
Type: STAFF LETTER

Document Type: Site Documents **Submitted:**
Document Date: 9/20/2013 **Submitted By:** URS - OAKLAND (CONTRACTOR)
Size : 373 KB
Title: REMEDIAL INVESTIGATION WORK PLAN AND REMEDIAL WORK PLAN ADDENDUM CLARIFICATIONS, THE ESTUARY, OAKLAND, CALIFORNIA
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4524789035/SL600192789.PDF
Type: CORRESPONDENCE

Document Type: Site Documents **Submitted:**
Document Date: 8/30/2013 **Submitted By:** URS - OAKLAND (CONTRACTOR)
Size : 6,694 KB
Title: SUB-SLAB SAMPLING AND PILOT STUDY REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9685443937/SL600192789.PDF
Type: SITE INVESTIGATION

Document Type: Monitoring Reports **Submitted:**
Document Date: 7/31/2013 **Submitted By:** URS - OAKLAND (CONTRACTOR)
Size : 8,272 KB
Title: SECOND QUARTER 2013 GROUNDWATER MONITORING REPORT - THE ESTUARY, 2901-2999 GLASCOCK STREET, OAKLAND CALIFORNIA
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5945183932/SL600192789.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Site Documents **Submitted:**
Document Date: 7/1/2013 **Submitted By:** MICHAEL WRIGLEY (REGULATOR)
Size :
Title: ANNUAL ESTIMATE LETTER FOR COST RECOVERY
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6166319
Type: COST RECOVERY AGREEMENT / N. OF REIMBURSEMENT

Document Type: Site Documents **Submitted:**
Document Date: 6/14/2013 **Submitted By:** URS - OAKLAND (CONTRACTOR)
Size : 2,102 KB
Title: REMEDIAL INVESTIGATION WORK PLAN ADDENDUM
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7243457853/SL600192789.PDF
Type: REMEDIAL INVESTIGATION WORKPLAN

Document Type: Site Documents **Submitted:**
Document Date: 5/15/2013 **Submitted By:** URS - OAKLAND (CONTRACTOR)
Size : 2,014 KB
Title: REMEDIAL INVESTIGATION WORK PLAN
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3456727504/SL600192789.PDF
Type: REMEDIAL INVESTIGATION WORKPLAN

Document Type: Monitoring Reports **Submitted:**
Document Date: 4/30/2013 **Submitted By:** URS - OAKLAND (CONTRACTOR)
Size : 6,404 KB
Title: FIRST QUARTER 2013 GROUNDWATER MONITORING REPORT - THE ESTUARY, 2901-2999 GLASCOCK STREET, OAKLAND CALIFORNIA
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8461549282/SL600192789.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Site Documents **Submitted:**
Document Date: 4/8/2013 **Submitted By:** CLEET CARLTON (REGULATOR)
Size : 331 KB

Title: FACT SHEET - NOTIFICATION OF ENVIRONMENTAL WORK, THE ESTUARY, OAKLAND, ALAMEDA COUNTY
Title Link: http://geotracker.waterboards.ca.gov/community_involvement/4000470817/Estuary%20%2DFact%20Sheet%20%2D%20April%202013%20final%2Epdf
Type: UPDATES AND INFORMATION - FACT SHEET

Document Type: Site Documents **Submitted:**
Document Date: 3/22/2013 **Submitted By:** CLEET CARLTON (REGULATOR)
Size :
Title: APPROVAL OF SEEP INVESTIGATION REPORT AND EXTENSION REQUEST FOR SUB-SLAB SOIL VAPOR SAMPLING AND PILOT STUDY REPORT; REQUIREMENT FOR WORK PLAN
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6152996
Type: 13267 REQUIREMENT

Document Type: Monitoring Reports **Submitted:**
Document Date: 1/31/2013 **Submitted By:** URS - OAKLAND (CONTRACTOR)
Size : 4,287 KB
Title: FOURTH QUARTER 2012 GROUNDWATER MONITORING REPORT - THE ESTUARY, 2901-2999 GLASCOCK STREET, OAKLAND CALIFORNIA
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1789295256/SL600192789.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Site Documents **Submitted:**
Document Date: 11/30/2012 **Submitted By:** URS - OAKLAND (CONTRACTOR)
Size : 78 KB
Title: EXTENSION REQUEST FOR SUB-ALAB ASSESSMENT REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1684005677/SL600192789.PDF
Type: CORRESPONDENCE

Document Type: Site Documents **Submitted:**
Document Date: 11/30/2012 **Submitted By:** URS - OAKLAND (CONTRACTOR)
Size : 3,592 KB
Title: SEEP INVESTIGATION TECHNICAL REPORT_PART 1 OF 2
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6385557055/SL600192789.PDF
Type: SITE INVESTIGATION

Document Type: Site Documents **Submitted:**
Document Date: 11/30/2012 **Submitted By:** URS - OAKLAND (CONTRACTOR)
Size : 13,408 KB
Title: SEEP INVESTIGATION TECHNICAL REPORT_PART 2 OF 2
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1822234392/SL600192789.PDF
Type: SITE INVESTIGATION

Document Type: Site Documents **Submitted:**
Document Date: 11/6/2012 **Submitted By:** CLEET CARLTON (REGULATOR)
Size : 4,539 KB
Title: FACT SHEET - STATUS OF ENVIRONMENTAL WORK, THE ESTUARY, OAKLAND, ALAMEDA COUNTY
Title Link: http://geotracker.waterboards.ca.gov/community_involvement/5959882438/Estuary%20%2D%20Update%20Fact%20Sheet%20%2D%20FINAL%2811%2D2%29%2Epdf
Type: UPDATES AND INFORMATION - FACT SHEET

Document Type: Monitoring Reports **Submitted:**
Document Date: 10/31/2012 **Submitted By:** URS - OAKLAND (CONTRACTOR)
Size : 6,306 KB
Title: THIRD QUARTER 2012 GROUNDWATER MONITORING REPORT - THE ESTUARY, 2901-2999 GLASCOCK STREET, OAKLAND CALIFORNIA
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2707883715/SL600192789.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Site Documents **Submitted:**
Document Date: 9/10/2012 **Submitted By:** CLEET CARLTON (REGULATOR)
Size : 124 KB
Title: FACT SHEET - NOTIFICATION OF UPCOMING ENVIRONMENTAL WORK, THE ESTUARY, OAKLAND, ALAMEDA COUNTY
Title Link: http://geotracker.waterboards.ca.gov/community_involvement/8207685172/Estuary%20%2D%20Update%20Fact%20Sheet%20%2D%20Sept%202012%2Epdf
Type: UPDATES AND INFORMATION - FACT SHEET

Document Type: Site Documents **Submitted:**
Document Date: 8/24/2012 **Submitted By:** CLEET CARLTON (REGULATOR)

Size :
Title: SEEP INVESTIGATION CONSTRUCTION WORK PLAN
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5750162
Type: SITE INVESTIGATION WORKPLAN

Document Type: Monitoring Reports **Submitted:**
Document Date: 7/31/2012 **Submitted By:** URS - OAKLAND (CONTRACTOR)
Size : 12,806 KB
Title: SECOND QUARTER 2012 GROUNDWATER MONITORING REPORT - THE ESTUARY, 2901-2999 GLASCOCK STREET, OAKLAND CALIFORNIA
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2819795131/SL600192789.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Site Documents **Submitted:**
Document Date: 5/14/2012 **Submitted By:** CLEET CARLTON (REGULATOR)
Size :
Title: IMPLEMENTATION OF VAPOR INTRUSION AND PETROLEUM SEEP WORK PLANS - REQUIREMENT FOR TECHNICAL REPORTS, PROPERTIES LOCATED AT 2901 TO 2999 GLASCOCK STREET AND INCLUDING BOWSMAN COURT, CHANNEL WAY AND REGATTA DRIVE, OAKLAND, ALAMEDA COUNTY
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6121812
Type: STAFF LETTER

Document Type: Monitoring Reports **Submitted:**
Document Date: 5/2/2012 **Submitted By:** URS - OAKLAND (CONTRACTOR)
Size : 7,137 KB
Title: FIRST QUARTER 2012 GROUNDWATER MONITORING REPORT - THE ESTUARY, 2901-2999 GLASCOCK STREET, OAKLAND CALIFORNIA
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6912026941/SL600192789.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Site Documents **Submitted:**
Document Date: 9/20/2011 **Submitted By:** CLEET CARLTON (REGULATOR)
Size :
Title: SITE CLEANUP PROGRAM (SCP) - RECOVERY OF OVERSIGHT COSTS AT SIGNATURE AT THE ESTUARY, 2901 AND 2909 GLASCOCK STREET AND 303 AND 315 DERBY AVENUE, OAKLAND, ALAMEDA COUNTY
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6098897
Type: COST RECOVERY AGREEMENT / N. OF REIMBURSEMENT

Document Type: Site Documents **Submitted:**
Document Date: 9/19/2011 **Submitted By:** CLEET CARLTON (REGULATOR)
Size :
Title: NOTICE OF DELINQUENT COST RECOVERY ACCOUNT FOR REGULATORY OVERSIGHT CHARGES, SIGNATURE AT THE ESTUARY, 2901 AND 2909 GLASCOCK STREET AND 303 AND 315 DERBY AVENUE, OAKLAND, ALAMEDA COUNTY
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6098902
Type: COST RECOVERY AGREEMENT / N. OF REIMBURSEMENT

Document Type: Site Documents **Submitted:**
Document Date: 6/8/2011 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: CRWQCB AGENDA 06.08.2011
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6262804
Type: NOTICE OF PUBLIC HEARING / BOARD ACTION

Document Type: Site Documents **Submitted:**
Document Date: 6/8/2011 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: CRWQCBHEARING 06.08.2011
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6262823
Type: NOTICE OF PUBLIC HEARING / BOARD ACTION

Document Type: Site Documents **Submitted:**
Document Date: 6/8/2011 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: RWQCB HEARING 06.08.2011
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5860315
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**

Document Date: 6/8/2011 **Submitted By:** CLEET CARLTON (REGULATOR)
Size :
Title: ORDER NO. R2-2011-0038 - AMENDMENT OF SITE CLEANUP REQUIREMENTS (ORDER NO. R2-2004-0046) - FOR THE PROPERTIES LOCATED AT 2901 TO 2999 GLASCOCK STREET AND INCLUDING BOWSMAN COURT, CHANNEL WAY AND REGATTA DRIVE, OAKLAND, ALAMEDA COUNTY
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6089516
Type: AMENDMENT TO ORDER

Document Type: Site Documents **Submitted:**
Document Date: 6/8/2011 **Submitted By:** CLEET CARLTON (REGULATOR)
Size :
Title: TRANSMITTAL LETTER FOR ORDER NO. R2-2011-0038 - AMENDMENT OF SITE CLEANUP REQUIREMENTS (ORDER NO. R2-2004-0046)
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6089517
Type: AMENDMENT TO ORDER

Document Type: Site Documents **Submitted:**
Document Date: 6/8/2011 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: CRWQCB HEARING 06.08.2011
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6262805
Type: NOTICE OF PUBLIC HEARING / BOARD ACTION

Document Type: Site Documents **Submitted:**
Document Date: 6/8/2011 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: RWQC BOARD PROSECUTION STAFF SUMMARY RPT 06.08.2011
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6263107
Type: NOTICE OF PUBLIC HEARING / BOARD ACTION

Document Type: Site Documents **Submitted:**
Document Date: 5/25/2011 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: STATE OF AZ PUBLIC ACCESS ANNUAL REPORTS 05.25.2011
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5860510
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**
Document Date: 5/25/2011 **Submitted By:** (REGULATOR)
Size :
Title: SIGNATURE HOMES LETTER MAY 25, 2011 (PART 2) - REGULATOR RESPONSE
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5714084
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**
Document Date: 5/25/2011 **Submitted By:** (REGULATOR)
Size :
Title: SIGNATURE HOMES LETTER MAY 25, 2011 (PART 3) - REGULATOR RESPONSE
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5714085
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**
Document Date: 5/25/2011 **Submitted By:** (REGULATOR)
Size :
Title: SIGNATURE HOMES LETTER MAY 25, 2011 (PART4) - REGULATOR RESPONSE
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5714086
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**
Document Date: 5/25/2011 **Submitted By:** (REGULATOR)
Size :
Title: SIGNATURE HOMES LETTER MAY 25, 2011 (PART 1) - REGULATOR RESPONSE
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5714083
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**
Document Date: 5/12/2011 **Submitted By:** JOHN SEAL (REGULATOR)
Size :
Title: TENTATIVE ORDER - AMENDMENT OF SITE CLEANUP REQUIREMENTS

Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5944096
Type: CORRESPONDENCE

Document Type: Site Documents **Submitted:**
Document Date: 5/10/2011 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: SFBCDC MCATEER PETRIS ACT 05.10.2011
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6263185
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER

Document Type: Site Documents **Submitted:**
Document Date: 5/6/2011 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: SHELL COMMENTS RE AMEND OF SITE CLEANUP REQUIREMTS 05.06.2011
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5860500
Type: CORRESPONDENCE

Document Type: Site Documents **Submitted:**
Document Date: 4/25/2011 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: SIGNATURE DEVEL PROJECTS 04.25.2011
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5860508
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**
Document Date: 4/8/2011 **Submitted By:** CLEET CARLTON (REGULATOR)
Size :
Title: OPPORTUNITY FOR RESPONSE TO COMMENTS ON TENTATIVE ORDER - AMENDMENT OF SITE CLEANUP REQUIREMENTS (ORDER NO. R2-2004-0046)
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6083097
Type: STAFF LETTER

Document Type: Site Documents **Submitted:**
Document Date: 4/8/2011 **Submitted By:** CLEET CARLTON (REGULATOR)
Size :
Title: RESPONSE TO COMMENTS ON TENTATIVE ORDER - AMENDMENT OF SITE CLEANUP REQUIREMENTS (ORDER NO. R2-2004-0046)
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6083099
Type: STAFF LETTER

Document Type: Site Documents **Submitted:**
Document Date: 4/4/2011 **Submitted By:** CLEET CARLTON (REGULATOR)
Size :
Title: NOTICE OF VIOLATION - FAILURE TO SUBMIT TECHNICAL REPORT (QUARTERLY GROUNDWATER MONITORING REPORT)
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6082653
Type: NOTICE OF VIOLATION

Document Type: Site Documents **Submitted:**
Document Date: 3/18/2011 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: FAX DOC HOMEOWN. ASSOC COMMENTS TO AMEND OF SITE CLEANUP REQ 03.18.2011
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5860236
Type: CORRESPONDENCE

Document Type: Site Documents **Submitted:**
Document Date: 1/7/2011 **Submitted By:** CLEET CARLTON (REGULATOR)
Size :
Title: NOTICE OF VIOLATION - FAILURE TO SUBMIT TECHNICAL REPORT / VAPOR SAMPLING AND PILOT TESTING
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6073958
Type: NOTICE OF VIOLATION

Document Type: Monitoring Reports **Submitted:**
Document Date: 11/3/2010 **Submitted By:** JANET MACK (REGULATOR)
Size : 10,720 KB
Title: 3RD QTR 2010 GRDWATER MON PROG RPT 01.10.2010 - 3RD QTR 2010 GRDWATER MON PROG RPT 01.10.2010
Title Link: http://geotracker.waterboards.ca.gov/regulators/deliverable_documents/7182601749/3rd%20qtr%202010%20grdw

ater%20mon%20prog%20rpt%2001%2E10%2E2010%2Epdf
Type: MONITORING REPORT - QUARTERLY

Document Type: Site Documents **Submitted:**
Document Date: 11/1/2010 **Submitted By:** CLEET CARLTON (REGULATOR)
Size :
Title: FIVE YEAR STATUS REPORT FOR THE PERIOD OF 2004 THROUGH 2009 / REPORT UNACCEPTABLE
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6073962
Type: STAFF LETTER

Document Type: Monitoring Reports **Submitted:**
Document Date: 10/29/2010 **Submitted By:** WOOD E&IS (AUTH_RP)
Size : 11,836 KB
Title: THIRD QUARTER 2010 QUARTERLY GROUNDWATER MONITORING PROGRAM REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7241135597/SL600192789.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Site Documents **Submitted:**
Document Date: 10/28/2010 **Submitted By:** WOOD E&IS (AUTH_RP)
Size : 2,227 KB
Title: INDOOR AIR AND SUB-SLAB VAPOR SAMPLING
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7835977137/SL600192789.PDF
Type: TECHNICAL MEMOS

Document Type: Site Documents **Submitted:**
Document Date: 10/7/2010 **Submitted By:** CLEET CARLTON (REGULATOR)
Size :
Title: APPROVAL OF COMPREHENSIVE VAPOR SAMPLING AND PILOT TESTING WORK PLAN AND CONDITIONAL APPROVAL OF SEEP INVESTIGATION WORK PLAN; REQUIREMENT FOR TECHNICAL REPORTS
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6066130
Type: 13267 REQUIREMENT

Document Type: Monitoring Reports **Submitted:**
Document Date: 8/3/2010 **Submitted By:** JANET MACK (REGULATOR)
Size : 11,898 KB
Title: 2ND QTR 2010 GRDWATER MON PROG RPT 07.01.2010 - 2ND QTR 2010 GRDWATER MON PROG RPT 07.01.2010
Title Link: http://geotracker.waterboards.ca.gov/regulators/deliverable_documents/7851687371/2nd%20qtr%202010%20grdwater%20mon%20prog%20rpt%2007%2E01%2E2010%2Epdf
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 7/30/2010 **Submitted By:** WOOD E&IS (AUTH_RP)
Size : 16,667 KB
Title: 2ND QUARTER 2010 GROUNDWATER MONITORING PROGRAM REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3962861418/SL600192789.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Site Documents **Submitted:**
Document Date: 7/14/2010 **Submitted By:** CLEET CARLTON (REGULATOR)
Size : 746 KB
Title: FACT SHEET - JUNE 2010, PUBLIC COMMENT PERIOD, SUB-SLAB DEPRESSURIZATION PILOT STUDY & SEEP INVESTIGATION
Title Link: http://geotracker.waterboards.ca.gov/community_involvement/3616086661/Waterboard%5FFinal%20Fact%20Sheet%206%2E8%2E10%2Epdf
Type: UPDATES AND INFORMATION - FACT SHEET

Document Type: Site Documents **Submitted:**
Document Date: 6/7/2010 **Submitted By:** JOHN SEAL (REGULATOR)
Size :
Title: COMPREHENSIVE VAPOR SAMPLING AND PILOT TESTING WORK PLAN
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5944075
Type: PILOT STUDY / TREATABILITY WORKPLAN

Document Type: Site Documents **Submitted:**
Document Date: 6/4/2010 **Submitted By:** WOOD E&IS (AUTH_RP)
Size : 1,099 KB
Title: COMPREHENSIVE VAPOR SAMPLING AND PILOT TESTING WORK PLAN

Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3990967750/SL600192789.PDF
Type: OTHER WORKPLAN

Document Type: Monitoring Reports **Submitted:**
Document Date: 4/30/2010 **Submitted By:** WOOD E&IS (AUTH_RP)
Size : 18,503 KB
Title: 1Q 2010 GROUNDWATER MONITORING PROGRAM REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4926657438/SL600192789.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 4/1/2010 **Submitted By:** JANET MACK (REGULATOR)
Size : 17,138 KB
Title: 1ST QTR 2010 GRDWATER MON PROG RPT 04.01.2010 - 1ST QTR 2010 GRDWATER MON PROG RPT 04.01.2010
Title Link: http://geotracker.waterboards.ca.gov/regulators/deliverable_documents/9643049478/1st%20qtr%202010%20grdwater%20mon%20prog%20rpt%2004%2E01%2E2010%2Epdf
Type: MONITORING REPORT - QUARTERLY

Document Type: Site Documents **Submitted:**
Document Date: 2/15/2010 **Submitted By:** WOOD E&IS (AUTH_RP)
Size : 1,748 KB
Title: SEEP INVESTIGATION WORK PLAN
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6478753626/SL600192789.PDF
Type: SITE INVESTIGATION WORKPLAN

Document Type: Site Documents **Submitted:**
Document Date: 2/15/2010 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: SAMPLING MAPS MANY DATES 02.15.2010
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5860361
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**
Document Date: 2/15/2010 **Submitted By:** WOOD E&IS (AUTH_RP)
Size : 2,266 KB
Title: SUB-SLAB SOIL VAPOR INVESTIGATION WORK PLAN
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8383073210/SL600192789.PDF
Type: SITE INVESTIGATION WORKPLAN

Document Type: Monitoring Reports **Submitted:**
Document Date: 2/1/2010 **Submitted By:** JANET MACK (REGULATOR)
Size : 10,650 KB
Title: 4TH QTR 2009 GRDWATER MON PROG RPT APPENDICES 01.01.2010 - 4TH QTR 2009 GRDWATER MON PROG RPT APPENDICES 01.01.2010
Title Link: http://geotracker.waterboards.ca.gov/regulators/deliverable_documents/7085432291/4th%20qtr%202009%20grdwater%20mon%20prog%20rpt%20appendices%2001%2E01%2E2010%2Epdf
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 1/29/2010 **Submitted By:** WOOD E&IS (AUTH_RP)
Size : 16,337 KB
Title: 4Q 2009 GW MONITORING PROGRAM REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2962227940/SL600192789.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 1/10/2010 **Submitted By:** JANET MACK (REGULATOR)
Size : 10,717 KB
Title: 3RD QTR 2010 GRDWATER MON PROG RPT APPENDIX 01.10.2010 - 3RD QTR 2010 GRDWATER MON PROG RPT APPENDIX 01.10.2010
Title Link: http://geotracker.waterboards.ca.gov/regulators/deliverable_documents/2572056651/3rd%20qtr%202010%20grdwater%20mon%20prog%20rpt%20appendix%2001%2E10%2E2010%2Epdf
Type: MONITORING REPORT - QUARTERLY

Document Type: Site Documents **Submitted:**
Document Date: 1/7/2010 **Submitted By:** CLEET CARLTON (REGULATOR)
Size :
Title: REQUIREMENT FOR SUB-SLAB SOIL VAPOR SAMPLING AND PETROLEUM SEEP INVESTIGATION WORK

PLAN; SUSPENSION OF REQUIREMENT FOR SUB-SLAB DEPRESSURIZATION SYSTEM PILOT STUDY REPORT
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6039826
Type: 13267 REQUIREMENT

Document Type: Site Documents ***Submitted:***
Document Date: 12/4/2009 ***Submitted By:*** JOHN SEAL (REGULATOR)
Size :
Title: HAZARDOUS MATERIALS SPILL REPORT
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5944081
Type: CORRESPONDENCE

Document Type: Site Documents ***Submitted:***
Document Date: 12/2/2009 ***Submitted By:*** CLEET CARLTON (REGULATOR)
Size :
Title: NOTIFICATION OF PETROLEUM SEEP, THE ESTUARY
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5658567
Type: CORRESPONDENCE

Document Type: Monitoring Reports ***Submitted:***
Document Date: 10/30/2009 ***Submitted By:*** WOOD E&IS (AUTH_RP)
Size : 12,934 KB
Title: THIRD QUARTER 2009 GROUNDWATER MONITORING PROGRAM REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5814215421/SL600192789.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports ***Submitted:***
Document Date: 10/1/2009 ***Submitted By:*** JANET MACK (REGULATOR)
Size : 10,080 KB
Title: 3RD QTR 2009 GRDWATER MON PROG RPT 10.01.2009 - 3RD QTR 2009 GRDWATER MON PROG RPT 10.01.2009
Title Link: http://geotracker.waterboards.ca.gov/regulators/deliverable_documents/9777023136/3rd%20qtr%202009%20grdwater%20mon%20prog%20rpt%2010%2E01%2E2009%2Epdf
Type: MONITORING REPORT - QUARTERLY

Document Type: Site Documents ***Submitted:***
Document Date: 9/2/2009 ***Submitted By:*** CLEET CARLTON (REGULATOR)
Size :
Title: APPROVAL OF PILOT STUDY WORK PLAN
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6029369
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER

Document Type: Site Documents ***Submitted:***
Document Date: 9/1/2009 ***Submitted By:*** JANET MACK (REGULATOR)
Size :
Title: 5 YR STATUS RPT 2004 THROUGH 2009 08.01.2009
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5859853
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents ***Submitted:***
Document Date: 8/31/2009 ***Submitted By:*** WOOD E&IS (AUTH_RP)
Size : 3,531 KB
Title: FIVE YEAR STATUS REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9974404752/SL600192789.PDF
Type: FIVE YEAR REVIEW COMPLETE,

Document Type: Monitoring Reports ***Submitted:***
Document Date: 8/3/2009 ***Submitted By:*** JANET MACK (REGULATOR)
Size : 9,254 KB
Title: 2ND QTR 2009 GRDWATER MON PROG RPT 07.01.2009 - 2ND QTR 2009 GRDWATER MON PROG RPT 07.01.2009
Title Link: http://geotracker.waterboards.ca.gov/regulators/deliverable_documents/9740493595/2nd%20qtr%202009%20grdwater%20mon%20prog%20rpt%2007%2E01%2E2009%2Epdf
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports ***Submitted:***
Document Date: 7/31/2009 ***Submitted By:*** WOOD E&IS (AUTH_RP)
Size : 10,537 KB
Title: 2ND QUARTER 2009 GROUNDWATER MONITORING PROGRAM REPORT

Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4930993497/SL600192789.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Site Documents **Submitted:**
Document Date: 7/2/2009 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: DRAFT PLUME STABILITY EVAL 06.30.2009
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5859107
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**
Document Date: 7/2/2009 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: HYDROLOGIC ASSESSMENT 06.01.2009
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5858841
Type: SITE ASSESSMENT REPORT

Document Type: Site Documents **Submitted:**
Document Date: 6/30/2009 **Submitted By:** WOOD E&IS (AUTH_RP)
Size : 2,107 KB
Title: HYDROLOGIC ASSESSMENT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5900384068/SL600192789.PDF
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**
Document Date: 6/25/2009 **Submitted By:** JOHN SEAL (REGULATOR)
Size :
Title: FACT SHEET AND PILOT STUDY WORK PLAN COMMENTS
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5944092
Type: FACT SHEETS - PUBLIC PARTICIPATION

Document Type: Site Documents **Submitted:**
Document Date: 6/16/2009 **Submitted By:** CLEET CARLTON (REGULATOR)
Size :
Title: CONDITIONAL APPROVAL OF EXTENSION OF DEADLINE FROM JUNE 30, 2009, TO AUGUST 30, 2009, FOR SUBMITTAL OF FIVE-YEAR STATUS REPORT
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6017322
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER

Document Type: Site Documents **Submitted:**
Document Date: 6/4/2009 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: ESTUARY HOMEOWNER DOC RECEIPTS 06.02.2009
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5858824
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**
Document Date: 5/18/2009 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: REVISED PILOT STUDY DESIGN AND IMPLEM WORK PLAN 05.01.2009
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5859022
Type: PILOT STUDY / TREATABILITY WORKPLAN

Document Type: Site Documents **Submitted:**
Document Date: 5/15/2009 **Submitted By:** CLEET CARLTON (REGULATOR)
Size : 272 KB
Title: FACT SHEET, PILOT STUDY DESIGN AND IMPLEMENTATION WORK PLAN - SIGNATURE AT THE ESTUARY
Title Link: http://geotracker.waterboards.ca.gov/community_involvement/7980542838/Signature%20%2D%20Pilot%20Study%20Fact%20Sheet%20%2D%20May%202009%20Final%2D1%2Epdf
Type: UPDATES AND INFORMATION - FACT SHEET

Document Type: Site Documents **Submitted:**
Document Date: 5/13/2009 **Submitted By:** CLEET CARLTON (REGULATOR)
Size :
Title: REVISED PILOT STUDY DESIGN AND IMPLEMENTATION WORK PLAN, THE ESTUARY
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5639200
Type: PILOT STUDY / TREATABILITY WORKPLAN

Document Type: Site Documents **Submitted:**

Document Date: 5/4/2009 **Submitted By:** JOHN SEAL (REGULATOR)
Size :
Title: THE ESTRUARY - DISCLOSURES
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5944097
Type: CORRESPONDENCE

Document Type: Monitoring Reports **Submitted:**
Document Date: 5/1/2009 **Submitted By:** JANET MACK (REGULATOR)
Size : 10,212 KB
Title: 1ST QTR 2009 GRDWATER MON PROG RPT 04.01.2009 - 1ST QTR 2009 GRDWATER MON PROG RPT 04.01.2009
Title Link: http://geotracker.waterboards.ca.gov/regulators/deliverable_documents/2792744517/1st%20qtr%202009%20grdwater%20mon%20prog%20rpt%2004%2E01%2E2009%2Epdf
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 4/30/2009 **Submitted By:** WOOD E&IS (AUTH_RP)
Size : 6,839 KB
Title: 1ST QUARTER 2009 GROUNDWATER MONITORING PROGRAM REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5054848790/SL600192789.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 4/1/2009 **Submitted By:** JANET MACK (REGULATOR)
Size : 5,900 KB
Title: 1ST QTR 2009 GRDWATER MON PROG RPT APPENDIXES 04.01.2009 - 1ST QTR 2009 GRDWATER MON PROG RPT APPENDIXES 04.01.2009
Title Link: http://geotracker.waterboards.ca.gov/regulators/deliverable_documents/9520359873/1st%20qtr%202009%20grdwater%20mon%20prog%20rpt%20Appendixes%2004%2E01%2E2009%2Epdf
Type: MONITORING REPORT - QUARTERLY

Document Type: Site Documents **Submitted:**
Document Date: 3/16/2009 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: PILOT STUDY DESIGN AND IMPL WORK PLAN 03.13.2009
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5858857
Type: PILOT STUDY / TREATABILITY WORKPLAN

Document Type: Site Documents **Submitted:**
Document Date: 3/16/2009 **Submitted By:** WOOD E&IS (AUTH_RP)
Size : 56 KB
Title: COVER LETTER_TASK 6 SUBMITTAL PACKAGE
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8601628184/SL600192789.PDF
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**
Document Date: 3/16/2009 **Submitted By:** WOOD E&IS (AUTH_RP)
Size : 224 KB
Title: ELECTRONIC SITE CONCEPTUAL MODEL (MASTER TABLE ONLY)_TASK 6 SUBMITTAL_ATTACHMENT C
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7305935084/SL600192789.PDF
Type: SITE CONCEPTUAL MODEL

Document Type: Site Documents **Submitted:**
Document Date: 3/16/2009 **Submitted By:** WOOD E&IS (AUTH_RP)
Size : 7,655 KB
Title: UTILITY LAYOUT AND TRENCH DETAILS_TASK 6 SUBMITTAL_ATTACHMENT B
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4551088631/SL600192789.PDF
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**
Document Date: 3/13/2009 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: PILOT STUDY DESIGN AND IMPLEMENT WORK PLAN 03.13.2009
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5858858
Type: PILOT STUDY / TREATABILITY WORKPLAN

Document Type: Site Documents **Submitted:**
Document Date: 3/13/2009 **Submitted By:** JANET MACK (REGULATOR)
Size :

Title: TASK 6 SUBMITTAL PCK LTR 03.13.2009
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5859085
Type: CONCEPTUAL SITE MODEL

Document Type: Site Documents **Submitted:**
Document Date: 3/13/2009 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: UTILITY LAYOUT PLAN 03.13.2009
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5859091
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**
Document Date: 3/10/2009 **Submitted By:** CLEET CARLTON (REGULATOR)
Size : 249 KB
Title: FACT SHEET FOR THE OAKLAND ESTUARY RESIDENTIAL DEVELOPMENT IN OAKLAND, CALIFORNIA, OCTOBER 2004
Title Link: http://geotracker.waterboards.ca.gov/community_involvement/7348004996/Signature%20at%20the%20Estuary%20%2D%20October%202004%20Fact%20Sheet%20FINAL%2Epdf
Type: UPDATES AND INFORMATION - FACT SHEET

Document Type: Site Documents **Submitted:**
Document Date: 3/4/2009 **Submitted By:** WOOD E&IS (AUTH_RP)
Size : 665 KB
Title: RESPONSE TO JANUARY 23, 2009 REQUEST FOR DOCUMENTATION EXHIBIT F
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7603851795/SL600192789.PDF
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**
Document Date: 3/4/2009 **Submitted By:** WOOD E&IS (AUTH_RP)
Size : 245 KB
Title: RESPONSE TO JANUARY 23, 2009 REQUEST FOR DOCUMENTATION EXHIBIT H
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9404748082/SL600192789.PDF
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**
Document Date: 3/4/2009 **Submitted By:** WOOD E&IS (AUTH_RP)
Size : 442 KB
Title: RESPONSE TO JANUARY 23, 2009 REQUEST FOR DOCUMENTATION
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6803173243/SL600192789.PDF
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**
Document Date: 3/4/2009 **Submitted By:** WOOD E&IS (AUTH_RP)
Size : 1,157 KB
Title: RESPONSE TO JANUARY 23, 2009 REQUEST FOR DOCUMENTATION EXHIBIT E
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5056734383/SL600192789.PDF
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**
Document Date: 3/4/2009 **Submitted By:** WOOD E&IS (AUTH_RP)
Size : 3,140 KB
Title: RESPONSE TO JANUARY 23, 2009 REQUEST FOR DOCUMENTATION EXHIBIT A
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2701015651/SL600192789.PDF
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**
Document Date: 3/4/2009 **Submitted By:** WOOD E&IS (AUTH_RP)
Size : 14,853 KB
Title: RESPONSE TO JANUARY 23, 2009 REQUEST FOR DOCUMENTATION EXHIBIT B_VOL. 3
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3056011378/SL600192789.PDF
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**
Document Date: 3/4/2009 **Submitted By:** WOOD E&IS (AUTH_RP)
Size : 12,161 KB
Title: RESPONSE TO JANAURY 23, 2009 REQUEST FOR DOCUMENTATION EXHIBIT B_VOL. 4
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7046532750/SL600192789.PDF
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**
Document Date: 3/4/2009 **Submitted By:** WOOD E&IS (AUTH_RP)
Size : 14,997 KB
Title: RESPONSE TO JANUARY 23, 2009 REQUEST FOR DOCUMENTATION EXHIBIT B_VOL. 2
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2475433826/SL600192789.PDF
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**
Document Date: 3/4/2009 **Submitted By:** WOOD E&IS (AUTH_RP)
Size : 2,751 KB
Title: RESPONSE TO JANUARY 23, 2009 REQUEST FOR DOCUMENTATION EXHIBIT G
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8185286581/SL600192789.PDF
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**
Document Date: 3/4/2009 **Submitted By:** WOOD E&IS (AUTH_RP)
Size : 978 KB
Title: RESPONSE TO JANUARY 23, 2009 REQUEST FOR DOCUMENTATION EXHIBIT J
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8159298121/SL600192789.PDF
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**
Document Date: 3/4/2009 **Submitted By:** WOOD E&IS (AUTH_RP)
Size : 7,359 KB
Title: RESPONSE TO JANUARY 23, 2009 REQUEST FOR DOCUMENTATION EXHIBIT C
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7547804892/SL600192789.PDF
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**
Document Date: 3/4/2009 **Submitted By:** WOOD E&IS (AUTH_RP)
Size : 4,480 KB
Title: RESPONSE TO JANUARY 23, 2009 REQUEST FOR DOCUMENTATION EXHIBIT D
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8915432155/SL600192789.PDF
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**
Document Date: 3/4/2009 **Submitted By:** WOOD E&IS (AUTH_RP)
Size : 15,184 KB
Title: RESPONSE TO JANUARY 23, 2009 REQUEST FOR DOCUMENTATION EXHIBIT B_VOL. 1
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2848519444/SL600192789.PDF
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**
Document Date: 3/4/2009 **Submitted By:** WOOD E&IS (AUTH_RP)
Size : 1,179 KB
Title: RESPONSE TO JANUARY 23, 2009 REQUEST FOR DOCUMENTATION EXHIBIT I
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8703720569/SL600192789.PDF
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**
Document Date: 3/4/2009 **Submitted By:** WOOD E&IS (AUTH_RP)
Size : 91 KB
Title: RESPONSE TO JANUARY 23, 2009 REQUEST FOR DOCUMENTATION EXHIBIT K
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8197388172/SL600192789.PDF
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**
Document Date: 3/2/2009 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: RESPONSE TO REQUIRE FOR DOC AND VERIF 02.27.2009
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5859021
Type: CORRESPONDENCE

Document Type: Site Documents **Submitted:**
Document Date: 2/27/2009 **Submitted By:** JOHN SEAL (REGULATOR)
Size :
Title: RESPONSE TO REQUIREMENT FOR DOCUMENTATION AND VERIFICATION RELATED TO COMPLIANCE WITH TASK C.1 OF ORDER R2-2004-0046
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5944088

Type: CORRESPONDENCE

Document Type: Site Documents **Submitted:**
Document Date: 2/27/2009 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: EPA BENZENE ARTICLE 02.27.2009
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5860217
Type: FACT SHEETS - PUBLIC PARTICIPATION

Document Type: Site Documents **Submitted:**
Document Date: 2/20/2009 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: SUMMARY OF DELIVERABLES 02.20.2009
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5859084
Type: PILOT STUDY / TREATABILITY WORKPLAN

Document Type: Monitoring Reports **Submitted:**
Document Date: 2/3/2009 **Submitted By:** JANET MACK (REGULATOR)
Size : 7,923 KB
Title: 4TH QTR 2008 GRDWATER MON PROG RPT 01.01.2009 - 4TH QTR 2008 GRDWATER MON PROG RPT 01.01.2009
Title Link: http://geotracker.waterboards.ca.gov/regulators/deliverable_documents/6586186289/4th%20qtr%202008%20grdwater%20mon%20prog%20rpt%2001%2E01%2E2009%2Epdf
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 1/31/2009 **Submitted By:** WOOD E&IS (AUTH_RP)
Size : 13,607 KB
Title: 4TH QUARTER 2008 GROUNDWATER MONITORING REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9252025783/SL600192789.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Site Documents **Submitted:**
Document Date: 1/23/2009 **Submitted By:** CLEET CARLTON (REGULATOR)
Size :
Title: REQUIREMENT FOR DOCUMENTATION AND VERIFICATION RELATED TO COMPLIANCE WITH TASK C.1 OF ORDER R2-2004-0046
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6000622
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER

Document Type: Monitoring Reports **Submitted:**
Document Date: 1/1/2009 **Submitted By:** JANET MACK (REGULATOR)
Size : 11,475 KB
Title: 3RD QTR 2009 GRDWATER MON PROG RPT APPENDIX 01.01.2009 - 3RD QTR 2009 GRDWATER MON PROG RPT APPENDIX 01.01.2009
Title Link: http://geotracker.waterboards.ca.gov/regulators/deliverable_documents/2453032553/3rd%20qtr%202009%20grdwater%20mon%20prog%20rpt%20appendix%2001%2E01%2E2009%2Epdf
Type: MONITORING REPORT - QUARTERLY

Document Type: Site Documents **Submitted:**
Document Date: 12/18/2008 **Submitted By:** WOOD E&IS (AUTH_RP)
Size : 6,996 KB
Title: ECOLOGICAL BUFFER ZONE WORK PLAN
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2179489612/SL600192789.PDF
Type: OTHER WORKPLAN

Document Type: Site Documents **Submitted:**
Document Date: 12/16/2008 **Submitted By:** CLEET CARLTON (REGULATOR)
Size :
Title: REJECTION OF SITE PROGRESS REPORT; REQUIREMENT FOR PILOT STUDY WORK PLAN
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=5997169
Type: NOTICE TO COMPLY

Document Type: Site Documents **Submitted:**
Document Date: 11/6/2008 **Submitted By:** WOOD E&IS (AUTH_RP)
Size : 42 KB
Title: REPORTING UPDATE
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5475750148/SL600192789.PDF
Type: CORRESPONDENCE

Document Type: Site Documents **Submitted:**
Document Date: 11/6/2008 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: ACK. LTR IN FOR COST REIMB BOARD STAFF COSTS FOR OVERSIGHT 10.01.2003
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5858796
Type: CORRESPONDENCE

Document Type: Monitoring Reports **Submitted:**
Document Date: 11/2/2008 **Submitted By:** JANET MACK (REGULATOR)
Size : 7,510 KB
Title: 3RD QTR 2008 GRDWATER MON PROG RPT 10.01.2008 - 3RD QTR 2008 GRDWATER MON PROG RPT 10.01.2008
Title Link: http://geotracker.waterboards.ca.gov/regulators/deliverable_documents/3344807505/3rd%20qtr%202008%20grdwater%20mon%20prog%20rpt%2010%2E01%2E2008%2Epdf
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 10/31/2008 **Submitted By:** WOOD E&IS (AUTH_RP)
Size : 8,821 KB
Title: THIRD QUARTER 2008 GROUNDWATER MONITORING REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8571609973/SL600192789.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Site Documents **Submitted:**
Document Date: 10/17/2008 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: SITE PROGRESS RPT 10.15.2008
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5859041
Type: PROGRESS REPORT (SOIL/GW/ UPDATES)

Document Type: Site Documents **Submitted:**
Document Date: 10/15/2008 **Submitted By:** WOOD E&IS (AUTH_RP)
Size : 1,125 KB
Title: SITE PROGRESS REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7137894153/SL600192789.PDF
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**
Document Date: 9/30/2008 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: SLAB INFO 09.30.2008
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5860509
Type: OTHER REPORT / DOCUMENT

Document Type: Monitoring Reports **Submitted:**
Document Date: 8/1/2008 **Submitted By:** JANET MACK (REGULATOR)
Size : 3,154 KB
Title: 2ND QTR 2008 GRDWATER MON PROG RPT 07.01.2008 - 2ND QTR 2008 GRDWATER MON PROG RPT 07.01.2008
Title Link: http://geotracker.waterboards.ca.gov/regulators/deliverable_documents/1065295159/2nd%20qtr%202008%20grdwater%20mon%20prog%20rpt%2007%2E01%2E2008%2Epdf
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 7/31/2008 **Submitted By:** WOOD E&IS (AUTH_RP)
Size : 11,540 KB
Title: 2ND Q 2008 GROUNDWATER MONITORING PROGRAM REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8587949454/SL600192789.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 7/1/2008 **Submitted By:** JANET MACK (REGULATOR)
Size : 10,119 KB
Title: 2ND QTR 2008 GROUNDWATER MONITORING PROGRAM APPENDIX 07.01.2008 - 2ND QTR 2008 GROUNDWATER MONITORING PROGRAM APPENDIX 07.01.2008
Title Link: http://geotracker.waterboards.ca.gov/regulators/deliverable_documents/7710513055/2ND%20Qtr%202008%20Groundwater%20Monitoring%20Program%20appendix%2007%2E01%2E2008%2Epdf
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 6/16/2008 **Submitted By:** WOOD E&IS (AUTH_RP)
Size : 6,310 KB
Title: 1ST QUARTER 2007 GW MONITORING AND SV EVALUATION REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6899353504/SL600192789.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Site Documents **Submitted:**
Document Date: 6/11/2008 **Submitted By:** CLEET CARLTON (REGULATOR)
Size :
Title: REVIEW OF VAPOR INTRUSION EVALUATION WORK PLAN; REQUIREMENT FOR TECHNICAL REPORT
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=5983645
Type: 13267 REQUIREMENT

Document Type: Monitoring Reports **Submitted:**
Document Date: 6/5/2008 **Submitted By:** WOOD E&IS (AUTH_RP)
Size : 1,002 KB
Title: 2ND QUARTER 2007 SOIL VAPOR MONITORING REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7928069174/SL600192789.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Site Documents **Submitted:**
Document Date: 5/9/2008 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: VAPOR INTRUSION EVAL WORK PLAN 05.08.2008
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5859093
Type: SOIL VAPOR INTRUSION INVESTIGATION WORKPLAN

Document Type: Site Documents **Submitted:**
Document Date: 5/8/2008 **Submitted By:** WOOD E&IS (AUTH_RP)
Size : 1,065 KB
Title: VAPORT INTRUSION EVALUATION WORK PLAN
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7919115960/SL600192789.PDF
Type: WORKPLANS - INVESTIGATION WP

Document Type: Monitoring Reports **Submitted:**
Document Date: 5/2/2008 **Submitted By:** WOOD E&IS (AUTH_RP)
Size : 12,770 KB
Title: 1Q GROUNDWATER MONITORING PROGRAM REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6418959677/SL600192789.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 5/1/2008 **Submitted By:** JANET MACK (REGULATOR)
Size : 7,567 KB
Title: 1ST QTR 2008 GRDWATER MON PROG RPT 04.01.2008 - 1ST QTR 2008 GRDWATER MON PROG RPT 04.01.2008
Title Link: http://geotracker.waterboards.ca.gov/regulators/deliverable_documents/1205809652/1st%20qtr%202008%20grdwater%20mon%20prog%20rpt%2004%2E01%2E2008%2Epdf
Type: MONITORING REPORT - QUARTERLY

Document Type: Site Documents **Submitted:**
Document Date: 4/30/2008 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: GROUNDWATER FIELD RECORD APPENDIX 04.30.2008
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5859855
Type: SOIL AND WATER INVESTIGATION REPORT

Document Type: Monitoring Reports **Submitted:**
Document Date: 2/21/2008 **Submitted By:** WOOD E&IS (AUTH_RP)
Size : 15,357 KB
Title: 4TH QUARTER 2007 GW AND SV MONITORING PROGRAM REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6954008340/SL600192789.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 2/21/2008 **Submitted By:** WOOD E&IS (AUTH_RP)
Size : 12,520 KB

Title: 3RD QUARTER 2007 GW AND SV MONITORING PROGRAM REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2831622064/SL600192789.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 2/1/2008 **Submitted By:** JANET MACK (REGULATOR)
Size : 27,579 KB
Title: 4TH QTR 2007 GRD WATER AND SOIL VAPOR MON PROG RPT 02.01.2008 - 4TH QTR 2007 GRD WATER AND SOIL VAPOR MON PROG RPT 02.01.2008
Title Link: http://geotracker.waterboards.ca.gov/regulators/deliverable_documents/7458555459/4th%20qtr%202007%20grd%20water%20and%20soil%20vapor%20mon%20prog%20rpt%2002%2E01%2E2008%2Epdf
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 2/1/2008 **Submitted By:** JANET MACK (REGULATOR)
Size : 26,009 KB
Title: 3RD QTR 2007 GRDWATER AND SOIL VAPOR MON PROG RPT 02.01.2008 - 3RD QTR 2007 GRDWATER AND SOIL VAPOR MON PROG RPT 02.01.2008
Title Link: http://geotracker.waterboards.ca.gov/regulators/deliverable_documents/5762403726/3rd%20qtr%202007%20grdwater%20and%20soil%20vapor%20mon%20prog%20rpt%2002%2E01%2E2008%2Epdf
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 9/21/2007* **Submitted By:** JACOB ZEPEDA (AUTH_RP)
Size : 4,869 KB
Title: 1STQ2005 GW MONITORING REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4702771842/SL600192789.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 9/21/2007* **Submitted By:** JACOB ZEPEDA (AUTH_RP)
Size : 6,047 KB
Title: 3RDQ 2005 GW MONITORING REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6291885197/SL600192789.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 9/21/2007* **Submitted By:** JACOB ZEPEDA (AUTH_RP)
Size : 3,732 KB
Title: GROUNDWATER AND SOILVAPORQUALITY EVALUATION,303&315 DERBY AVENUE, 2901 & 2909 GLASCOCK STREET
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9565554559/SL600192789.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 9/21/2007* **Submitted By:** JACOB ZEPEDA (AUTH_RP)
Size : 10,459 KB
Title: 2NDQ2005 GW MONITORING REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4724607169/SL600192789.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 9/21/2007* **Submitted By:** JACOB ZEPEDA (AUTH_RP)
Size : 3,185 KB
Title: 4THQ2004 GW MONITORING REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4062269449/SL600192789.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Site Documents **Submitted:**
Document Date: 9/20/2007* **Submitted By:** JACOB ZEPEDA (AUTH_RP)
Size : 1,274 KB
Title: 4THQ2005 GW MONITORING REPORT AND TWO YEAR STATUS REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6875277459/SL600192789.PDF
Type: REPORTS - QUARTERLY STATUS REPORT

Document Type: Monitoring Reports **Submitted:**
Document Date: 9/20/2007* **Submitted By:** JACOB ZEPEDA (AUTH_RP)
Size : 6,119 KB
Title: 2NDQ2006 GW MONITORING REPORT

Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8216749429/SL600192789.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 9/20/2007* **Submitted By:** JACOB ZEPEDA (AUTH_RP)
Size : 4,828 KB
Title: 3RDQ 2006 GW MONITORING REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6936787486/SL600192789.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Site Documents **Submitted:**
Document Date: 8/28/2007* **Submitted By:** JACOB ZEPEDA (AUTH_RP)
Size : 1,528 KB
Title: SOIL VAPOR QUALITY EVALUATION, DECEMBER 21, 2006
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1337069451/SL600192789.PDF
Type: REPORTS - INVESTIGATION RPT.

Document Type: Monitoring Reports **Submitted:**
Document Date: 8/24/2007 **Submitted By:** JANET MACK (REGULATOR)
Size : 1,455 KB
Title: 2ND QTR 2007 SOIL VAPOR MON RPT 08.23.2007 - 2ND QTR 2007 SOIL VAPOR MON RPT 08.23.2007
Title Link: http://geotracker.waterboards.ca.gov/regulators/deliverable_documents/2534304559/2nd%20qtr%202007%20soil%20vapor%20mon%20rpt%2008%2E23%2E2007%2Epdf
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 8/24/2007* **Submitted By:** JACOB ZEPEDA (AUTH_RP)
Size : 1,062 KB
Title: SECOND QUARTER 2007 SOIL VAPOR MONITORING REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4608152627/SL600192789.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 8/2/2007* **Submitted By:** JACOB ZEPEDA (AUTH_RP)
Size : 6,228 KB
Title: FIRST QUARTER 2007 GROUNDWATER MONITORING REPORT AND SOIL VAPOR QUALITY EVALUATION
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1309603631/SL600192789.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 8/2/2007* **Submitted By:** JACOB ZEPEDA (AUTH_RP)
Size : 7,154 KB
Title: SECOND QUARTER 2007 GROUNDWATER MONITORING REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3703963339/SL600192789.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 8/2/2007 **Submitted By:** JANET MACK (REGULATOR)
Size : 10,447 KB
Title: 2ND QTR 2007 GRD WATER MON RPT 07.31.2007 - 2ND QTR 2007 GRD WATER MON RPT 07.31.2007
Title Link: http://geotracker.waterboards.ca.gov/regulators/deliverable_documents/9807667374/2nd%20qtr%202007%20grd%20water%20mon%20rpt%2007%2E31%2E2007%2Epdf
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 8/2/2007* **Submitted By:** JACOB ZEPEDA (AUTH_RP)
Size : 4,527 KB
Title: FOURTH QUARTER 2006 GROUNDWATER MONITORING REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4829060435/SL600192789.PDF
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 5/7/2007 **Submitted By:** JANET MACK (REGULATOR)
Size : 8,336 KB
Title: 1ST QTR 2007 GRD WATER MON RPT 05.03.2007 - 1ST QTR 2007 GRD WATER MON RPT 05.03.2007
Title Link: http://geotracker.waterboards.ca.gov/regulators/deliverable_documents/7163695394/1st%20qtr%202007%20grd%20water%20mon%20rpt%2005%2E03%2E2007%2Epdf
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 1/23/2007 **Submitted By:** JANET MACK (REGULATOR)
Size : 7,318 KB
Title: 4TH QTR 2006 GRD WATER MONRPT 01.23.2007 - 4TH QTR 2006 GRD WATER MONRPT 01.23.2007
Title Link: http://geotracker.waterboards.ca.gov/regulators/deliverable_documents/8558794915/4th%20qtr%202006%20grd%20water%20monrpt%2001%2E23%2E2007%2Epdf
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 1/23/2007 **Submitted By:** JANET MACK (REGULATOR)
Size : 7,318 KB
Title: 4TH QTR 2006 GRD WATER MONRPT 01.23.2007 - 4TH QTR 2006 GRD WATER MONRPT 01.23.2007
Title Link: http://geotracker.waterboards.ca.gov/regulators/deliverable_documents/2413344442/4th%20qtr%202006%20grd%20water%20monrpt%2001%2E23%2E2007%2Epdf
Type: MONITORING REPORT - QUARTERLY

Document Type: Site Documents **Submitted:**
Document Date: 1/1/2007 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: BROWNFIELDS TECH PRIMER VAPOR INTRUSION CONSIDERATIONS NO DATE
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5859871
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**
Document Date: 12/21/2006 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: SOIL VAPOR QUALITY EVALUATION 12.21.2006
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5859082
Type: OTHER REPORT / DOCUMENT

Document Type: Monitoring Reports **Submitted:**
Document Date: 10/19/2006 **Submitted By:** JANET MACK (REGULATOR)
Size : 5,877 KB
Title: 3RD QTR 2006 GRD WATER MON RPT 10.19.2006 - 3RD QTR 2006 GRD WATER MON RPT 10.19.2006
Title Link: http://geotracker.waterboards.ca.gov/regulators/deliverable_documents/8425997674/3rd%20qtr%202006%20grd%20water%20mon%20rpt%2010%2E19%2E2006%2Epdf
Type: MONITORING REPORT - QUARTERLY

Document Type: Site Documents **Submitted:**
Document Date: 9/22/2006 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: REVISED WORK PLAN FOR SOIL VAPOR QUAL EVAL 09.20.2006
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5859027
Type: SOIL VAPOR INTRUSION INVESTIGATION WORKPLAN

Document Type: Site Documents **Submitted:**
Document Date: 9/20/2006 **Submitted By:** CLEET CARLTON (REGULATOR)
Size :
Title: REVISED WORK PLAN FOR SOIL VAPOR QUALITY EVALUATION
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5664246
Type: OTHER WORKPLAN

Document Type: Site Documents **Submitted:**
Document Date: 9/11/2006 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: SOIL VAPOR QUAL EVAL 09.07.2006
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5859056
Type: SOIL VAPOR INTRUSION INVESTIGATION WORKPLAN

Document Type: Monitoring Reports **Submitted:**
Document Date: 8/8/2006 **Submitted By:** JANET MACK (REGULATOR)
Size : 3,504 KB
Title: 2ND QTR 2006 GRD WATER MON RPT 08.03.2006 - 2ND QTR 2006 GRD WATER MON RPT 08.03.2006
Title Link: http://geotracker.waterboards.ca.gov/regulators/deliverable_documents/3950716912/2nd%20qtr%202006%20grd%20water%20mon%20rpt%2008%2E03%2E2006%2Epdf
Type: MONITORING REPORT - QUARTERLY

Document Type: Site Documents **Submitted:**
Document Date: 4/10/2006 **Submitted By:** JOHN SEAL (REGULATOR)

Size :
Title: UNDERGROUND STORAGE TANK CLEANUP FUND, FUND MANAGER DECISION (FMD) FOR ELIGIBILITY DETERMINATION
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6337240
Type: CLEAN UP FUND - LETTER TO RP

Document Type: Monitoring Reports **Submitted:**
Document Date: 3/7/2006 **Submitted By:** JANET MACK (REGULATOR)
Size : 6,684 KB
Title: 4TH QTR 2005 TRD WATER MON. 02.10.2006 - 4TH QTR 2005 TRD WATER MON. 02.10.2006
Title Link: http://geotracker.waterboards.ca.gov/regulators/deliverable_documents/7204359292/4th%20qtr%202005%20trd%20water%20mon%2E%2002%2E10%2E2006%2Epdf
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 11/23/2005 **Submitted By:** JANET MACK (REGULATOR)
Size : 5,567 KB
Title: 3RD QTR 2005 GRD WATER MON RPT 11.21.2005 - 3RD QTR 2005 GRD WATER MON RPT 11.21.2005
Title Link: http://geotracker.waterboards.ca.gov/regulators/deliverable_documents/7577853143/3rd%20qtr%202005%20grd%20water%20mon%20rpt%2011%2E21%2E2005%2Epdf
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 11/23/2005 **Submitted By:** JANET MACK (REGULATOR)
Size : 5,567 KB
Title: 3RD QTR 2005 GRD WATER MON RPT 11.21.2005 - 3RD QTR 2005 GRD WATER MON RPT 11.21.2005
Title Link: http://geotracker.waterboards.ca.gov/regulators/deliverable_documents/4081852793/3rd%20qtr%202005%20grd%20water%20mon%20rpt%2011%2E21%2E2005%2Epdf
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 8/9/2005 **Submitted By:** JANET MACK (REGULATOR)
Size : 6,372 KB
Title: 2ND QTR 2005 GRD WATER MON RPT 08.02.2005 - 2ND QTR 2005 GRD WATER MON RPT 08.02.2005
Title Link: http://geotracker.waterboards.ca.gov/regulators/deliverable_documents/7885058343/2nd%20qtr%202005%20grd%20water%20mon%20rpt%2008%2E02%2E2005%2Epdf
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 5/4/2005 **Submitted By:** JANET MACK (REGULATOR)
Size : 5,353 KB
Title: 1ST QTR 2005 GRD WATER MON RPT 05.04.2005 - 1ST QTR 2005 GRD WATER MON RPT 05.04.2005
Title Link: http://geotracker.waterboards.ca.gov/regulators/deliverable_documents/8111952841/1st%20qtr%202005%20grd%20water%20mon%20rpt%2005%2E04%2E2005%2Epdf
Type: MONITORING REPORT - QUARTERLY

Document Type: Monitoring Reports **Submitted:**
Document Date: 5/4/2005 **Submitted By:** JANET MACK (REGULATOR)
Size : 5,353 KB
Title: 1ST QTR 2005 GRD WATER MON RPT 05.04.2005 - 1ST QTR 2005 GRD WATER MON RPT 05.04.2005
Title Link: http://geotracker.waterboards.ca.gov/regulators/deliverable_documents/1178179681/1st%20qtr%202005%20grd%20water%20mon%20rpt%2005%2E04%2E2005%2Epdf
Type: MONITORING REPORT - QUARTERLY

Document Type: Site Documents **Submitted:**
Document Date: 1/20/2005 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: CITY OF OAKLAND PERMIT INSPEC RCD 01.20.2005
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5859879
Type: OTHER REPORT / DOCUMENT

Document Type: Monitoring Reports **Submitted:**
Document Date: 1/5/2005 **Submitted By:** JANET MACK (REGULATOR)
Size : 9,053 KB
Title: 4TH QTR 2004 GRD WATER MON RPT 01.04.2005 - 4TH QTR 2004 GRD WATER MON RPT 01.04.2005
Title Link: http://geotracker.waterboards.ca.gov/regulators/deliverable_documents/3004148721/4th%20qtr%202004%20grd%20water%20mon%20rpt%2001%2E04%2E2005%2Epdf
Type: MONITORING REPORT - QUARTERLY

Document Type: Site Documents **Submitted:**
Document Date: 12/8/2004 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: ORDER TO AMEND FINAL CLEANUP REQ 12.08.2004
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6263098
Type: AMENDMENT TO ORDER

Document Type: Site Documents **Submitted:**
Document Date: 12/7/2004 **Submitted By:** CLEET CARLTON (REGULATOR)
Size :
Title: ORDER NO. R2-2004-0096, AMENDMENT OF SITE CLEANUP REQUIREMENTS (ORDER NO. R2-2004-0046)
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6014776
Type: CLEAN-UP AND ABATEMENT ORDER

Document Type: Site Documents **Submitted:**
Document Date: 11/29/2004 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: COUNTY RECORDING OF COVEN AND ENV RESTRICTIONS 11.29.2004
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5859908
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**
Document Date: 11/29/2004 **Submitted By:** CLEET CARLTON (REGULATOR)
Size :
Title: COVENANT AND ENVIRONMENTAL RESTRICTION ON PROPERTY, THE ESTUARY
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=5992110
Type: DEED RESTRICTION / LAND USE RESTRICTION / COVENANT

Document Type: Site Documents **Submitted:**
Document Date: 11/10/2004 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: ORDER TO AMEND FINAL CLEANUP REQ 11.10.2004
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6263096
Type: AMENDMENT TO ORDER

Document Type: Site Documents **Submitted:**
Document Date: 11/8/2004 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: COUNTY RECORDING OF COVEN AND ENV RESTRICTIONS 303 DERBY 11.08.2004
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5859909
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**
Document Date: 11/5/2004 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: GRD WATER SOIL VAPOR QUAL EVAL 11.05.2004
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5858828
Type: SOIL VAPOR INTRUSION INVESTIGATION REPORT

Document Type: Site Documents **Submitted:**
Document Date: 11/3/2004 **Submitted By:** CLEET CARLTON (REGULATOR)
Size :
Title: APPROVAL OF TECHNICAL REPORT AND NO FURTHER ACTION FOR HARBOR WALK RESIDENTIAL DEVELOPMENT SITE
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5693697
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**
Document Date: 11/1/2004 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: HOW TO COLLECT RELIABLE SOIL GAS DATA 11.01.2004
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6263088
Type: LETTER - NOTICE

Document Type: Site Documents **Submitted:**
Document Date: 10/21/2004 **Submitted By:** CLEET CARLTON (REGULATOR)
Size :
Title: RISK MANAGEMENT PLAN, THE ESTUARY AND CALIFORNIA MEN'S CREW HOUSE, OAKLAND, CALIFORNIA

Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5625167
Type: OTHER WORKPLAN

Document Type: Site Documents **Submitted:**
Document Date: 9/23/2004 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: LTR RESPONSE TO INIVEST RPT AND RPT OF INTERIM REMED ACTION 09.23.2004
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6261528
Type: CLOSURE/NO FURTHER ACTION LETTER

Document Type: Site Documents **Submitted:**
Document Date: 9/23/2004 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: RESPONSE TO INVESTIG RPT AND RPT OF INTERIM REMED ACTION 09.23.2004
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6261742
Type: CLOSURE/NO FURTHER ACTION LETTER

Document Type: Site Documents **Submitted:**
Document Date: 9/15/2004 **Submitted By:** CLEET CARLTON (REGULATOR)
Size :
Title: ESTUARY - GROUND WATER AND SOIL VAPOR QUALITY EVALUATION
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5625868
Type: SOIL AND WATER INVESTIGATION REPORT

Document Type: Site Documents **Submitted:**
Document Date: 9/15/2004 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: RISK MANAGEMENT PLAN 09.13.2004
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5859033
Type: OTHER WORKPLAN

Document Type: Site Documents **Submitted:**
Document Date: 9/8/2004 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: INVEST RPT AND INTERIM REMED ACTION RPT 09.03.2004
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5858842
Type: REMEDIAL INVESTIGATION REPORT

Document Type: Site Documents **Submitted:**
Document Date: 7/9/2004 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: RISK MANAGEMENT PLAN 07.09.2004
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5859032
Type: OTHER WORKPLAN

Document Type: Site Documents **Submitted:**
Document Date: 7/8/2004 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: INVEST WORKPLAN 07.02.2004
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5858844
Type: OTHER WORKPLAN

Document Type: Site Documents **Submitted:**
Document Date: 6/24/2004 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: CRWQCB ADOPTION OF FINAL SITE CLEAN REQ 06.24.2004
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6262791
Type: STAFF LETTER

Document Type: Site Documents **Submitted:**
Document Date: 6/23/2004 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: CSWRCB NOTICE OF EXEMPTION 06.23.2004
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6263050
Type: LETTER - NOTICE

Document Type: Site Documents **Submitted:**
Document Date: 6/16/2004 **Submitted By:** JANET MACK (REGULATOR)
Size :

Title: RWQCB ADOTION OF FINAL SITE CLEANUP REQUREMENTS 06.16.2004
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6263111
Type: CLEAN-UP AND ABATEMENT ORDER

Document Type: Site Documents **Submitted:**
Document Date: 6/16/2004 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: CA RWQCB STAFF SUMMARY RPT 06.16.2004
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6262742
Type: NOTICE OF PUBLIC HEARING / BOARD ACTION

Document Type: Site Documents **Submitted:**
Document Date: 6/16/2004 **Submitted By:** CLEET CARLTON (REGULATOR)
Size :
Title: ORDER NO. R2-2004-0046, ADOPTION OF FINAL SITE CLEANUP REQUIREMENTS
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6014774
Type: CLEAN-UP AND ABATEMENT ORDER

Document Type: Site Documents **Submitted:**
Document Date: 5/28/2004 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: RESPONSE TO 4.28.2004 TECH RPT 05.28.2004
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6261741
Type: STAFF LETTER

Document Type: Site Documents **Submitted:**
Document Date: 5/19/2004 **Submitted By:** JOHN SEAL (REGULATOR)
Size :
Title: UNDERGROUND STORAGE TANK CLEANUP FUND CLAIM NUMBER 017971
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5944090
Type: CORRESPONDENCE

Document Type: Site Documents **Submitted:**
Document Date: 5/14/2004 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: CRWQCB TENTATIVE ORDER PROP FINAL SITE CLEANUP REQUIREMENTS 05.14.2004
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6262819
Type: NOTICE OF PUBLIC HEARING / BOARD ACTION

Document Type: Site Documents **Submitted:**
Document Date: 5/13/2004 **Submitted By:** JOHN SEAL (REGULATOR)
Size :
Title: RE: DERBY FSCR
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6337185
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER

Document Type: Site Documents **Submitted:**
Document Date: 5/3/2004 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: CA BUS SRCH FIELD AND STATUS DEF 05.03.2004
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5859873
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**
Document Date: 5/3/2004 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: SOIL REMEDIATION UST 04.28.2004
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5859053
Type: REMEDIAL INVESTIGATION REPORT

Document Type: Site Documents **Submitted:**
Document Date: 5/3/2004 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: UNDERGRD TANK CLOSURE RPT AND OTHER DOCS 05.03.2004
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5859088
Type: REQUEST FOR CLOSURE

Document Type: Site Documents **Submitted:**
Document Date: 4/30/2004 **Submitted By:** JANET MACK (REGULATOR)

Size :
Title: REVISED SOIL REMOVAL COMPLETION RPT 04.29.2004
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5859024
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**
Document Date: 4/21/2004 **Submitted By:** JOHN SEAL (REGULATOR)
Size :
Title: BOATHOUSE LOFTS SOIL INVESTIGATION AND REMOVAL
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5944066
Type: SOIL AND WATER INVESTIGATION REPORT

Document Type: Site Documents **Submitted:**
Document Date: 4/5/2004 **Submitted By:** JOHN SEAL (REGULATOR)
Size :
Title: FUEL :LEAK CASE #RO0000437
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5944080
Type: CORRESPONDENCE

Document Type: Site Documents **Submitted:**
Document Date: 3/22/2004 **Submitted By:** JOHN SEAL (REGULATOR)
Size :
Title: UNDERGROUND STORAGE TANK CLEANUP FUND, STAFF DECISION TO REJECT CLAIM
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6337241
Type: CLEAN UP FUND - LETTER TO RP

Document Type: Site Documents **Submitted:**
Document Date: 3/12/2004 **Submitted By:** JOHN SEAL (REGULATOR)
Size :
Title: CONDITIONAL ACCEPTANCE OF: SOIL REMOVAL COMPLETION REPORT, GROUNDWATER QUALITY EVALUATION AND GROUNDWATER QUALITY MONITORING WORK PLAN
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6337183
Type: FILE REVIEW

Document Type: Site Documents **Submitted:**
Document Date: 3/4/2004 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: CASE NARRATIVE SOIL SAMPLING 03.04.2004
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5858810
Type: SOIL AND WATER INVESTIGATION REPORT

Document Type: Site Documents **Submitted:**
Document Date: 3/1/2004 **Submitted By:** JOHN SEAL (REGULATOR)
Size :
Title: COMMENTS ON CORRECTIVE ACTION COMPLETION REPORTS
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6337173
Type: FILE REVIEW

Document Type: Site Documents **Submitted:**
Document Date: 2/11/2004 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: CASE NARRATIVE SOIL SAMPLING 02.10.2004
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5858807
Type: SOIL AND WATER INVESTIGATION REPORT

Document Type: Site Documents **Submitted:**
Document Date: 2/3/2004 **Submitted By:** JOHN SEAL (REGULATOR)
Size :
Title: DERBY
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5944076
Type: EMAIL CORRESPONDENCE

Document Type: Site Documents **Submitted:**
Document Date: 2/2/2004 **Submitted By:** JOHN SEAL (REGULATOR)
Size :
Title: REVIEW OF SOIL REMOVAL COMPLETION REPORT, GROUNDWATER QUALITY EVALUATION AND GROUNDWATER QUALITY MONITORING WORK PLAN
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6337193
Type: FILE REVIEW

Document Type: Site Documents **Submitted:**
Document Date: 1/27/2004 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: LTR FROM W. WASCKO 01.26.2004
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5858847
Type: CORRESPONDENCE

Document Type: Site Documents **Submitted:**
Document Date: 1/14/2004 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: SHORELINE SAMPLING RESULTS 01.12.2004
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5859037
Type: SOIL AND WATER INVESTIGATION REPORT

Document Type: Site Documents **Submitted:**
Document Date: 1/9/2004 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: SOIL REMOVAL COMPLET RPT GRD WTR EVAL AND GRD WATER QUAL MON WORK PLAN 01.06.2004
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5859055
Type: REMEDIAL ACTION COMPLETE

Document Type: Site Documents **Submitted:**
Document Date: 1/6/2004 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: DISPOSAL DOCUMENTATION 01.06.2004
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5858821
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**
Document Date: 1/6/2004 **Submitted By:** WOOD E&IS (AUTH_RP)
Size : 10,103 KB
Title: SOIL REMOVAL COMPLETION REPORT, GW EVALUATION REPORT, AND GW MONITORING WP
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2292848885/SL600192789.PDF
Type: FINAL REMEDIAL ACTION REPORT / CORRECTIVE ACTION REPORT

Document Type: Site Documents **Submitted:**
Document Date: 12/29/2003 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: LTR RESPNSE TO CONDITION APPROV OF WORKPLAN 12.29.2003
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6261527
Type: STAFF LETTER

Document Type: Site Documents **Submitted:**
Document Date: 12/23/2003 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: ADDENDUM TO WORK PLAN 12.18.2003
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5858800
Type: SOIL AND WATER INVESTIGATION WORKPLAN - ADDENDUM

Document Type: Site Documents **Submitted:**
Document Date: 12/10/2003 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: MTG NOTES RE SCOPE OF ADDL WORK NEEDED 12.10.2003
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6261532
Type: MEETING

Document Type: Site Documents **Submitted:**
Document Date: 11/21/2003 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: ATTY LTR RE WORK PLAN FOR SOIL AND GRDWATER REMED 11.20.2003
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5858806
Type: CORRESPONDENCE

Document Type: Site Documents **Submitted:**
Document Date: 11/4/2003 **Submitted By:** JOHN SEAL (REGULATOR)
Size :
Title: ANALYTICAL RESULTS FOR VERIFICATION SOIL SAMPLES
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5944069

Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**
Document Date: 11/3/2003 **Submitted By:** JOHN SEAL (REGULATOR)
Size :
Title: RE: MEETING ON NOVEMBER 5TH
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5944084
Type: EMAIL CORRESPONDENCE

Document Type: Site Documents **Submitted:**
Document Date: 11/1/2003 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: BRIEFING 11.01.2003
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6262735
Type: NOTICE OF PUBLIC HEARING / BOARD ACTION

Document Type: Site Documents **Submitted:**
Document Date: 10/31/2003 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: WORK PLAN FOR SOIL AND GRNDWATER INVEST AND REMED 10.24.2003
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5859095
Type: SOIL AND WATER INVESTIGATION WORKPLAN

Document Type: Site Documents **Submitted:**
Document Date: 10/24/2003 **Submitted By:** JOHN SEAL (REGULATOR)
Size :
Title: DATA FROM RE-SAMPLING THE EXCAVATION BASE
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5944086
Type: CORRESPONDENCE

Document Type: Site Documents **Submitted:**
Document Date: 10/20/2003 **Submitted By:** JOHN SEAL (REGULATOR)
Size :
Title: FUEL FINGERPRINT
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5944077
Type: CORRESPONDENCE

Document Type: Site Documents **Submitted:**
Document Date: 10/20/2003 **Submitted By:** JOHN SEAL (REGULATOR)
Size :
Title: ANALYTICAL RESULTS FOR VERIFICATION SOIL SAMPLES
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5944067
Type: CORRESPONDENCE

Document Type: Site Documents **Submitted:**
Document Date: 10/15/2003 **Submitted By:** JOHN SEAL (REGULATOR)
Size :
Title: REJECTION OF SHORELINE WORKPLAN
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6337188
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER

Document Type: Site Documents **Submitted:**
Document Date: 10/14/2003 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: GENL LAB TESTING REQ FOR PETROLEUM HYDROC IMPACTED SITES 10.14.2003
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5860239
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**
Document Date: 10/10/2003 **Submitted By:** CLEET CARLTON (REGULATOR)
Size :
Title: HARBOR WALK - APPROVAL OF LETTER REPORT AND SOIL MANAGEMENT PLAN AND CONCURRENCE OF SUITABLE SOIL REUSE
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5666689
Type: CORRECTIVE ACTION PLAN / REMEDIAL ACTION PLAN - ADDENDUM

Document Type: Site Documents **Submitted:**
Document Date: 10/9/2003 **Submitted By:** JOHN SEAL (REGULATOR)
Size :

Title: FUEL LEAK CASE #RO0000437
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5944079
Type: CORRESPONDENCE

Document Type: Site Documents **Submitted:**
Document Date: 10/8/2003 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: CORRECT ACTION COMPLET RPT AND GRD WATER MON WORK PLAN 09.17.2003
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5858815
Type: CORRECTIVE ACTION PLAN / REMEDIAL ACTION PLAN

Document Type: Site Documents **Submitted:**
Document Date: 10/8/2003 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: WORK PLAN 10.08.2003
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5859094
Type: OTHER WORKPLAN

Document Type: Site Documents **Submitted:**
Document Date: 10/8/2003 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: CORRECTIVE ACTION RPT GRD WATER MON WORK PLAN 10.06.2003
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5858820
Type: CORRECTIVE ACTION PLAN / REMEDIAL ACTION PLAN - ADDENDUM

Document Type: Site Documents **Submitted:**
Document Date: 10/1/2003 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: REQUEST FOR OVERSIGH BY RWQCB FOR REDEVEL LTR 10.01.2003
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5859018
Type: CORRESPONDENCE

Document Type: Site Documents **Submitted:**
Document Date: 9/26/2003 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: SOIL MANAGEMENT PLAN 09.24.2003
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5859051
Type: SOIL AND WATER INVESTIGATION WORKPLAN

Document Type: Site Documents **Submitted:**
Document Date: 9/24/2003 **Submitted By:** CLEET CARLTON (REGULATOR)
Size :
Title: SITE MANAGEMENT PLAN, HARBOR WALK RESIDENTIAL SITE, GLASCOCK AND LANCASTER STREETS, OAKLAND, CA
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5721599
Type: OTHER WORKPLAN

Document Type: Site Documents **Submitted:**
Document Date: 9/24/2003 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: SUITABILITY OF SOIL REUSE AS IMPRTED FILL 09.23.2003
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5859083
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**
Document Date: 9/21/2003 **Submitted By:** JOHN SEAL (REGULATOR)
Size :
Title: LETTER FROM LOWNEY ASSOCIATES
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5944101
Type: CORRESPONDENCE

Document Type: Site Documents **Submitted:**
Document Date: 9/17/2003 **Submitted By:** JOHN SEAL (REGULATOR)
Size :
Title: LETTER FROM LOWNEY ASSOCIATES
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5944085
Type: CORRESPONDENCE

Document Type: Site Documents **Submitted:**

Document Date: 9/16/2003 **Submitted By:** JOHN SEAL (REGULATOR)
Size :
Title: LETTER DISCUSSING WORKPLAN
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5944083
Type: CORRESPONDENCE

Document Type: Site Documents **Submitted:**
Document Date: 9/12/2003 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: TECHNICAL SUMMARY RPT 09.10.2003
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5859087
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**
Document Date: 9/12/2003 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: BCDC BCDC PERMIT APP 09.12.2003
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6262713
Type: NOTICE OF PUBLIC HEARING / BOARD ACTION

Document Type: Site Documents **Submitted:**
Document Date: 9/5/2003 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: BCDC APPL SUMMARY FRIENDS OF MENS CREW 09.05.2003
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6262711
Type: NOTICE OF PUBLIC HEARING / BOARD ACTION

Document Type: Site Documents **Submitted:**
Document Date: 9/5/2003 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: BCDC PERMIT APP FRIENDS OF CA MENS CREW 09.05.2003
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6262721
Type: NOTICE OF PUBLIC HEARING / BOARD ACTION

Document Type: Site Documents **Submitted:**
Document Date: 8/15/2003 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: PHASE 1 2002 ENV SITE ASSESS RPT 11.04.2002
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5858852
Type: SITE ASSESSMENT REPORT

Document Type: Site Documents **Submitted:**
Document Date: 8/15/2003 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: ADDL SOIL AND WATER INVESTIGATION 08.11.2003
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5858803
Type: SOIL AND WATER INVESTIGATION REPORT

Document Type: Site Documents **Submitted:**
Document Date: 8/15/2003 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: PHASE 2 ENV SITE ASSESSMENT 04.01.2003
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5858853
Type: SITE ASSESSMENT REPORT

Document Type: Site Documents **Submitted:**
Document Date: 8/15/2003 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: PHASE 2 ENV SITE ASSESSMENT 04.01.2003
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5858855
Type: SITE ASSESSMENT REPORT

Document Type: Site Documents **Submitted:**
Document Date: 8/14/2003 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: EVALUATION OF SOIL FOR REUSE AS IMPORTED FILL 08.14.2003
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5858825
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**
Document Date: 8/8/2003 **Submitted By:** JOHN SEAL (REGULATOR)
Size :
Title: SUMMARY OF 2901 GLASCOCK STREET
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5944095
Type: EMAIL CORRESPONDENCE

Document Type: Site Documents **Submitted:**
Document Date: 7/29/2003 **Submitted By:** JOHN SEAL (REGULATOR)
Size :
Title: WATER QUALITY CERTIFICATION
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6337242
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER

Document Type: Monitoring Reports **Submitted:**
Document Date: 7/25/2003 **Submitted By:** JANET MACK (REGULATOR)
Size : 9,984 KB
Title: 2ND QTR 2003 GRD WATER MON RPT 07.22.2003 - 2ND QTR 2003 GRD WATER MON RPT 07.22.2003
Title Link: http://geotracker.waterboards.ca.gov/regulators/deliverable_documents/7331059336/2nd%20qtr%202003%20grd%20water%20mon%20rpt%2007%2E22%2E2003%2Epdf
Type: MONITORING REPORT - QUARTERLY

Document Type: Site Documents **Submitted:**
Document Date: 6/23/2003 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: LTR WANT MEETING WITH BOARD 06.19.2003
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5858848
Type: CORRESPONDENCE

Document Type: Site Documents **Submitted:**
Document Date: 6/10/2003 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: PROGRAM FOR RECOVERY OF OVERSIGHT COSTS DRAFT 06.10.2003
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6261769
Type: LETTER - NOTICE

Document Type: Site Documents **Submitted:**
Document Date: 5/29/2003 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: ALAMEDA CTY DRILLING PERMIT APP 05.29.2003
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5859854
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**
Document Date: 5/15/2003 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: BCDC STAFF SUMM AND MEETING NOTICE UC REGENTS 05.15.2003
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6262733
Type: NOTICE OF PUBLIC HEARING / BOARD ACTION

Document Type: Site Documents **Submitted:**
Document Date: 5/9/2003 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: BCDC PERMIT APP REC SUMMARY 05.09.2003
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6262722
Type: NOTICE OF PUBLIC HEARING / BOARD ACTION

Document Type: Site Documents **Submitted:**
Document Date: 5/2/2003 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: BCDC STAFF SUMM AND MEETING NOTICE UC REGENTS 05.02.2003
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6262728
Type: NOTICE OF PUBLIC HEARING / BOARD ACTION

Document Type: Monitoring Reports **Submitted:**
Document Date: 5/2/2003 **Submitted By:** JANET MACK (REGULATOR)
Size : 5,709 KB
Title: 1ST QTR 2003 GRD WATER MON 04.16.2003 - 1ST QTR 2003 GRD WATER MON 04.16.2003
Title Link: http://geotracker.waterboards.ca.gov/regulators/deliverable_documents/6948318302/1st%20qtr%202003%20grd%

20water%20mon%2004%2E16%2E2003%2Epdf
Type: MONITORING REPORT - QUARTERLY

Document Type: Site Documents **Submitted:**
Document Date: 4/23/2003 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: UNDERGROUND STORAGE TANK CLOSURE RPT 03.13.2003
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5859089
Type: REQUEST FOR CLOSURE

Document Type: Site Documents **Submitted:**
Document Date: 4/23/2003 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: CLOSURE IN PLACE OF UNDERGRD STORAGE TANK 04.21.2003
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5858814
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**
Document Date: 3/10/2003 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: BCDC DESIGN REVIEW BOARD NOTICE 03.10.2003
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6262718
Type: NOTICE OF PUBLIC HEARING / BOARD ACTION

Document Type: Site Documents **Submitted:**
Document Date: 3/3/2003 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: RISK MANAGEMENT PLAN 02.03.2003
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5859029
Type: OTHER WORKPLAN

Document Type: Site Documents **Submitted:**
Document Date: 2/1/2003 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: PLANNED REDEVELOPMENT 01.31.2003
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5858859
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**
Document Date: 1/31/2003 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: GROUND WATER SAMPLING PLAN 01.30.2003
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5858837
Type: SOIL AND WATER INVESTIGATION REPORT

Document Type: Monitoring Reports **Submitted:**
Document Date: 1/31/2003 **Submitted By:** JANET MACK (REGULATOR)
Size : 5,026 KB
Title: 4TH QTR 2002 GROUND WATER MON 01.22.2003 - 4TH QTR 2002 GROUND WATER MON 01.22.2003
Title Link: http://geotracker.waterboards.ca.gov/regulators/deliverable_documents/9492770135/4th%20qtr%202002%20ground%20water%20mon%2001%2E22%2E2003%2Epdf
Type: MONITORING REPORT - QUARTERLY

Document Type: Site Documents **Submitted:**
Document Date: 1/30/2003 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: BCDC DRAFT MIN OF 01.06.03 DES REVIEW 01.30.2003
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6262720
Type: NOTICE OF PUBLIC HEARING / BOARD ACTION

Document Type: Site Documents **Submitted:**
Document Date: 1/27/2003 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: TABLE METALS AND PESTICIDES IN SOIL 1.27.2003
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5860512
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**
Document Date: 1/7/2003 **Submitted By:** JANET MACK (REGULATOR)

Size :
Title: LOWNEY ASSOC CLEANUP GOALS MAPS 01.07.2003
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5860279
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**
Document Date: 1/6/2003 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: BCDC DESIGN REVIEW BOARD MEETING NOTICE 01.06.2003
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6262717
Type: NOTICE OF PUBLIC HEARING / BOARD ACTION

Document Type: Site Documents **Submitted:**
Document Date: 1/6/2003 **Submitted By:** JOHN SEAL (REGULATOR)
Size :
Title: RE: SOIL RE-USE AT ICONCO
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5944093
Type: EMAIL CORRESPONDENCE

Document Type: Site Documents **Submitted:**
Document Date: 12/19/2002 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: BCDC DESIGN REVIEW FOR 1.6.03 CONSID 12.19.2002
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6262719
Type: NOTICE OF PUBLIC HEARING / BOARD ACTION

Document Type: Site Documents **Submitted:**
Document Date: 12/3/2002 **Submitted By:** JOHN SEAL (REGULATOR)
Size :
Title: CONDITIONAL APPROVAL OF CORRECTIVE ACTION PLAN
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6337184
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER

Document Type: Site Documents **Submitted:**
Document Date: 11/20/2002 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: OAKLAND PLAN COM DESIGN REVIEW STAFF RPT 11.20.2002
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5860282
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**
Document Date: 11/6/2002 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: LIVING IN A CA COMMON INTEREST DEVELOPMENT 11.06.2002
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5860267
Type: FACT SHEETS - PUBLIC PARTICIPATION

Document Type: Site Documents **Submitted:**
Document Date: 11/5/2002 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: CORRECTIVE ACTION PLAN 10.31.2002
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5858817
Type: CORRECTIVE ACTION PLAN / REMEDIAL ACTION PLAN

Document Type: Site Documents **Submitted:**
Document Date: 10/31/2002 **Submitted By:** CLEET CARLTON (REGULATOR)
Size :
Title: CORRECTIVE ACTION PLAN (PART 2 OF 2)
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5648844
Type: CAP/RAP - FEASIBILITY STUDY REPORT

Document Type: Site Documents **Submitted:**
Document Date: 10/31/2002 **Submitted By:** CLEET CARLTON (REGULATOR)
Size :
Title: CORRECTIVE ACTION PLAN (PART 1 OF 2)
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5648843
Type: CAP/RAP - FEASIBILITY STUDY REPORT

Document Type: Site Documents **Submitted:**

Document Date: 10/28/2002 **Submitted By:** JOHN SEAL (REGULATOR)
Size :
Title: REVIEW OF REVISED CORRECTIVE ACTION PLAN
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6337191
Type: FILE REVIEW

Document Type: Site Documents **Submitted:**
Document Date: 10/22/2002 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: QUAL GUIDELINES FOR SOIL REMED 10.22.2002
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5860296
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**
Document Date: 9/26/2002 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: FIRE DEPT LTR RE PHASE 2 SUBSURFACE INVEST. 09.26.2002
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5858826
Type: CORRESPONDENCE

Document Type: Site Documents **Submitted:**
Document Date: 9/25/2002 **Submitted By:** JOHN SEAL (REGULATOR)
Size :
Title: REVIEW OF CORRECTIVE ACTION PLAN
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6337190
Type: FILE REVIEW

Document Type: Site Documents **Submitted:**
Document Date: 9/16/2002 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: CORRECTIVE ACTION PLAN ADDENDUM 09.16.2002
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5858819
Type: CORRECTIVE ACTION PLAN / REMEDIAL ACTION PLAN - ADDENDUM

Document Type: Site Documents **Submitted:**
Document Date: 8/20/2002 **Submitted By:** JOHN SEAL (REGULATOR)
Size :
Title: ICONCO
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5944082
Type: EMAIL CORRESPONDENCE

Document Type: Site Documents **Submitted:**
Document Date: 7/23/2002 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: CORRECTIVE ACTION PLAN ADDENDUM 07.19.2002
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5858818
Type: CORRECTIVE ACTION PLAN / REMEDIAL ACTION PLAN - ADDENDUM

Document Type: Site Documents **Submitted:**
Document Date: 7/12/2002 **Submitted By:** JOHN SEAL (REGULATOR)
Size :
Title: SPILLS, LEAKS, INVESTIGATIONS, AND CLEANUP (SLIC) PROGRAM FOR RECOVERY OF OVERSIGHT
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6337239
Type: ANNUAL ESTIMATION LETTER

Document Type: Site Documents **Submitted:**
Document Date: 7/10/2002 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: PLANNED REDEVELOPMENT 07.08.2002
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5858861
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**
Document Date: 7/10/2002 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: SITE SUMMARY REPORT 05.29.2002
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5859044
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**
Document Date: 6/6/2002 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: CORRECTIVE ACTION PLAN 06.03.2002
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5858816
Type: CORRECTIVE ACTION PLAN / REMEDIAL ACTION PLAN

Document Type: Site Documents **Submitted:**
Document Date: 7/24/2001 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: PETROLEUM HYDROCARBONS IN SHALLOW SOILS AND GRDWATR 07.23.2001
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5858851
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**
Document Date: 1/1/2001 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: LOVEY ASSOC MISC SOIL QUAL MAPS 01.01.2001
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5860277
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**
Document Date: 8/26/1985 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: RWQCB PROPOSED PURCHASE OF SIMMONS OIL TERM SITE 08.26.1985
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6263131
Type: STAFF LETTER

Document Type: Site Documents **Submitted:**
Document Date: 6/1/1982 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: INVESTIGATION OF SUBSURFACE PROD 06.01.1982
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5860259
Type: SOIL AND WATER INVESTIGATION REPORT

Document Type: Site Documents **Submitted:**
Document Date: 7/30/1980 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: RWQCB COMPLIANCE MON RPT 07.30.1980
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6263113
Type: 13267 MONITORING PROGRAM

Document Type: Site Documents **Submitted:**
Document Date: 8/6/1974 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: RWQCB SHELL OIL CONTINGENCY PLANS 08.06.1974
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6263143
Type: NPDES PERMIT

Document Type: Site Documents **Submitted:**
Document Date: 1/22/1974 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: RWQCB WASTE DISCH REQUIRE FOR SHELL 01.22.1974
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6263148
Type: WASTE DISCHARGE REQUIREMENTS

Document Type: Site Documents **Submitted:**
Document Date: 1/22/1974 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: RWQCB WASTE DISCH REQUIR 01.22.1974
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6263145
Type: WASTE DISCHARGE REQUIREMENTS

Document Type: Site Documents **Submitted:**
Document Date: 12/2/1973 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: RWQCB SHELL MEETING INFO 12.02.1973
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6263139
Type: NOTICE OF PUBLIC HEARING / BOARD ACTION

Document Type: Site Documents **Submitted:**
Document Date: 11/26/1973 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: SHELL LTR RE PERMIT APP 11.20.1973
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5860501
Type: CORRESPONDENCE

Document Type: Site Documents **Submitted:**
Document Date: 11/26/1973 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: SHELL OIL LTR RE PENDING PERMIT 11.20.1973
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5860507
Type: CORRESPONDENCE

Document Type: Site Documents **Submitted:**
Document Date: 10/23/1973 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: RWQCB SHELL APP FOR WASTE DISCHARGE REQUIREMENTS 10.23.1973
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6263134
Type: NOTICE OF PUBLIC HEARING / BOARD ACTION

Document Type: Site Documents **Submitted:**
Document Date: 10/21/1973 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: MEMO RWQCB SHELL 10.21.1973
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5860280
Type: CORRESPONDENCE

Document Type: Site Documents **Submitted:**
Document Date: 10/21/1973 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: RWQCB MEMO RE SHELL 10.21.1973
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&enforcement_id=6263124
Type: NOTICE OF PUBLIC HEARING / BOARD ACTION

Document Type: Site Documents **Submitted:**
Document Date: 6/28/1971 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: PLANT PROCESS AND DISCHARGE DESCRIP 06.28.1971
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5860293
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**
Document Date: 1/1/1970 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: OIL SPILLS 1970 01.01.1970
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5860287
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**
Document Date: 12/31/1969 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: CHEVRON TYPES OF FUELS ARTICLE 12.31.1969
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5859877
Type: OTHER REPORT / DOCUMENT

Document Type: Site Documents **Submitted:**
Document Date: 1/1/1951 **Submitted By:** JANET MACK (REGULATOR)
Size :
Title: DIVISION OF FISH AND GAME REPORT FOR JULY 1942 01.01.1950
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL600192789&document_id=5860214
Type: CORRESPONDENCE

Cleanup Program Sites from GeoTracker Search - Site Maps(as of Jan 18, 2019)

Title: GEO_MAP **Submitted By:** URS - OAKLAND (CONTRACTOR)
Size : 429 KB **Submitted:** 11/5/2013

Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/9386108338/SL600192789.PDF

Cleanup Program Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)

Status: Open - Site Assessment
Date : 12/19/2011

Status: Open - Verification Monitoring
Date : 4/2/2009

Status: Open - Site Assessment
Date : 8/3/2006

Status: Open - Verification Monitoring
Date : 9/30/2004

Status: Open - Remediation
Date : 1/1/1997

Status: Open - Remediation
Date : 2/1/1993

Status: Open - Site Assessment
Date : 1/1/1992

Status: Open - Remediation
Date : 1/1/1985

Status: Open - Site Assessment
Date : 1/1/1982

Status: Open - Case Begin Date
Date : 1/1/1982

116	1 of 1	SW	0.49 / 2,589.98	12.94 / -25	CHEVRON #20-6142 / RMC LONESTAR 333 23RD OAKLAND CA 94606	CLEANUP SITES

Global ID: T06019703562
Status: COMPLETED - CASE CLOSED
Status Date: 2001-08-14 00:00:00
Site Code:
Site Facility Type: CLEANUP PROGRAM SITE
County: ALAMEDA
Latitude: 37.772918
Longitude: -122.236472
Data Source: Cleanup Program Sites from GeoTracker Search; Cleanup Sites from GeoTracker Cleanup Sites Data Download

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case Number: NA
Local Case Number: RO0002493
Begin Date: 1985-08-01 00:00:00
CUF Case: NO
Case Worker:
File Location: All Files are on GeoTracker or in the Local Agency Database
Stop Method: Other Means
Lead Agency: ALAMEDA COUNTY LOP
Local Agency:
Potential COC: Diesel
Potential Media of Concern: Other Groundwater (uses other than drinking water)
How Discovered: Inventory Control
How Discovered Description:
Stop Description:
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
DWR GW Subbasin Name: Santa Clara Valley - East Bay Plain (2-009.04)
Disadvantaged Community:
Site History:

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Acitivity

Action Type: Other
Date : 1985-08-01 00:00:00
Action: Leak Began

Action Type: Other
Date : 1985-08-01 00:00:00
Action: Leak Reported

Action Type: Other
Date : 1985-08-01 00:00:00
Action: Leak Stopped

Action Type: Other
Date : 1985-08-01 00:00:00
Action: Leak Discovery

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 2001-08-14 00:00:00

Status: Open - Case Begin Date
Status Date: 1985-08-01 00:00:00

Cleanup Program Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)

Project Status:
CUF Claim:
CUF Priority Assign:
CUF Amount Paid:
WDR Place Type:
WDR File:
WDR Order:
File Location: ALL FILES ARE ON GEOTRACKER OR IN THE LOCAL AGENCY DATABASE

User Defined Beneficial Use:
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: http://geotracker.waterboards.ca.gov/profile_report?global_id=T06019703562
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 8/14/2001
Cleanup History Link: http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T06019703562&tabname=regulatoryhistory
Potential COC: DIESEL
Potential Media Of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
DWR GW Sub Basin: Santa Clara Valley - East Bay Plain (2-009.04)
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: ALAMEDA COUNTY LOP (LEAD) - CASE #: RO0002493
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: NA
Site History:

No site history available

Cleanup Program Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)

Action Type: Leak Action
Action Date: 8/1/1985
Received Issue Date:
Action: Leak Stopped
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 8/1/1985
Received Issue Date:
Action: Leak Reported

Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 8/1/1985
Received Issue Date:
Action: Leak Began
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 8/1/1985
Received Issue Date:
Action: Leak Discovery
Doc Link:
Title Description Comments:

Cleanup Program Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)

Status: Completed - Case Closed
Date : 8/14/2001

Status: Open - Case Begin Date
Date : 8/1/1985

117	1 of 1	NNE	0.49 / 2,593.52	64.86 / 27	STOP N GO #1006 2710 FOOTHILL BLVD Oakland CA 94601	ALAMEDA LOP

Record ID: RO0001154
Alt Record ID: SD0001154
Program: LUST
Release Type: UST
Site Contact: CHAN, BARNEY
RP Identification Date: 3/9/1992 12:00:00 AM
GIS Latitude: 37.7846212188
GIS Longitude: -122.2276584173
Data Source: Local Oversight Program Detailed Inventory; Local Oversight Program Inventory

--Details--
Program Element: 5602
Status: 9
Status Desc: Case closed
Substance: 8006619
Org Name: NATIONAL CONVENIENCE STORES INC
Description 1: Case Closed
Description 2: Business Owner
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Soil only affected
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 9
Status Desc: Case closed
Substance: 8006619
Org Name: NA
Description 1: Case Closed
Description 2: Property/Fee Title Owner
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Soil only affected
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 9
Status Desc: Case closed
Substance: 8006619
Org Name: ALAMEDA COUNTY LOP
Description 1: Case Closed
Description 2: Not Applicable
Description 3: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4: RP Identified & Solvent
Description 5: Soil only affected
Description 6: Substance released from Underground Storage Tank System

---

118	1 of 5	SE	0.49 / 2,611.83	22.09 / -16	AMERICAN NATIONAL CAN CO 3801 E 8TH ST OAKLAND CA 946040000	ENVIROSTOR

Estor/EPA ID: 80001614
Site Code:
Nat Priority List: NO
Acres: 0.01 ACRES
Special Program:
Funding:
Assembly District: 18
Senate District: 09
School District:
APN: 33-2250-18-3
Cleanup Status: REFER: RWQCB AS OF 1/1/2008
Cleanup Oversight Agencies: RWQCB 2 - SAN FRANCISCO BAY - LEAD AGENCY
Site Type: CORRECTIVE ACTION
Office: CLEANUP BERKELEY
Past Use that Caused Contam: NONE SPECIFIED
Potential Media Affected: NONE SPECIFIED
Potential Contamin of Concern:

NONE SPECIFIED

Permit Renewal Lead:
Project Manager:
Supervisor:
Public Partici Spclst:
Census Tract: 6001406100
County: ALAMEDA
Latitude: 37.769142
Longitude: -122.221716

Site History:

Status: REFER: RWQCB
Program Type: CORRECTIVE ACTION
CalEnviroScreen Score: 86-90%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=80001614

Completed Activities

Title: STABILIZATION MEASURES EVALUATION-FACILITY NOT AMENABLE TO STABILIZATION (CA225NR)
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Interim Measures Questionnaire
Date Completed: 2/28/1992
Comments:

Title: RFA COMPLETED (CA050PA)
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=80001614&enforcement_id=60192249
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: RCRA Facility Assessment Report
Date Completed: 9/1/1991
Comments: PA completed which identified 2 SWMUs and 2 AOC

DRUM STORAGE AREA-This unit consists of a bermed concrete pad with a
design capacity of 256 drums measuring approximately 20 feet by 40 feet that is enclosed by a chain-link fence. Drums of waste solvent were formerly stored here until 1988. This unit was located outside in the yard near the product storage building. According to the closure plan, this unit was used for hazardous waste storage beginning in September 1983 and has not been used to store wastes since 1988
At the time of the FIT site visit no drummed wastes were present and this unit was being steam-cleaned.
Waste Managed: Drummed waste liquids including waste machine oil, spent solvent, paint sludge, waste hydrochloric acid solution, and waste copper sulfate (liquid) were stored here. Among the constituents in these wastes were methyl ethyl ketone, aromatic hydrocarbons, isopropanol, toluene, benzene, methanol, ethanol, copper sulfate, and hydrogen chloride.

This unit is a bermed (6 inches) concrete pad surrounded by a chain-link fence (2,14). A removable plug at one end of the unit was used to drain rainwater. Drums were stored within the area on wooden pallets. No releases are known to have occurred from this
unit. No sampling has been performed to determine whether or not there have been releases.

SOLDER DROSS STORAGE AREA - The solder dross storage area is a section of the concrete railroad platform that is cordoned off with a chain-link fence. This unbermed unit has a design capacity of
approximately 100 drums and measures approximately 40 feet by 8 feet
(2,14). A raised roof (no walls) affords some protection from the
elements for this unit. According to the closure plan, this unit was first used in 1983. This unit was being steam-cleaned at the time of the FIT site visit.

Waste Managed: This unit was used to store drummed lead solder dross and baghouse dust which have a composition of 97 percent lead and 3 percent tin and antimony.
The solder dross storage area is part of a converted railroad platform. There are no apparent release controls. No releases are known to have occurred from this unit. No sampling is known to have been performed to determine whether or not releases have occurred.

AREA OF CONCERN - OLD BOILER FUEL TANK
This area of concern is located on the east side of the property in a
small area between the edge of the property and the building foundation. The old boiler fuel tank was installed probably before World War II. Fuel product is floating on the aquifer in this area and is being pumped out and disposed of by a contractor. This unit was filled with concrete instead of being removed because its awkward physical location (between the building foundation and East 8th Street) precluded removal.

AREA OF CONCERN - SOLVENT PRODUCT TANK FARM
Located on the west side of the property just south of the product
storage building were six underground storage tanks that were removed in 1986 and 1987. Non-chlorinated solvents (including methyl ethyl ketone, toluene and xylene) used in the can coatings were stored in these tanks. Solvent-contaminated soil was excavated from the surrounding area during removal. Although according to ANCC post-removal sampling was conducted, specific information about the event does not appear to exist.

Title: Voluntary C A
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Consent Order
Date Completed: 1/1/1993
Comments:

Title: Human Exposure Controlled
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Human Exposure Controlled
Date Completed: 9/25/1997
Comments:

Title: STABILIZATION MEASURES IMPLEMENTED-PRIMARY MEAS IS SOURCE REMOVL &/OR TRT (CA600SR)
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Interim Measures Workplan

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Date Completed: 1/1/1994
Comments:

Title: Remedy Constructed
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=80001614&enforcement_id=60298864
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Remedy Construction Complete
Date Completed: 2/19/2010
Comments:

Title: RFI REPORT APPROVED (CA200)
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: RFI Report
Date Completed: 6/1/1996
Comments:

Title: STABILIZATION CONSTRUCTION COMPLETED (CA650)
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Interim Measures Implementation Report
Date Completed: 7/1/1995
Comments:

Title: Groundwater Migration Controlled
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Groundwater Migration Controlled
Date Completed: 9/25/1997
Comments:

Title: PA OR CERCLA INSPECTION-NOT A PA PLUS (CA049PA)
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Preliminary Assessment Report
Date Completed: 9/19/1991
Comments:

118	2 of 5	SE	0.49 / 2,611.83	22.09 / -16	AMERICAN NATIONAL CAN CO 3801 E 8TH ST OAKLAND CA 946040000	ENVIROSTOR

Estor/EPA ID: CAD009162116
Site Code:
Nat Priority List:
Acres:
Special Program:
Funding:
Assembly District: 18
Senate District: 09
School District:
APN:
Cleanup Status:

Permit Renewal Lead:
Project Manager:
Supervisor:
Public Partici Spclst:
Census Tract:
County: ALAMEDA
Latitude: 37.769142
Longitude: -122.221716

Cleanup Oversight Agencies:
Site Type: CLOSED- PERMIT AUTHORITY: RCRA
Office:
Past Use that Caused Contam:
Potential Media Affected:
Potential Contamin of Concern:

Site History:

NO FACILITY HISTORY HAS BEEN ENTERED FOR THIS SITE

Status: CLOSED
Program Type: HAZ WASTE - RCRA
CalEnviroScreen Score: 86-90%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/hwmp_profile_report?global_id=CAD009162116

Permit Units - Completed Activities

Unit: CONTAIN1
Event Description: NEW OPERATING PERMIT - APPLICATION PART A RECEIVED
Date: 11/1/1986
Doc Link:

Unit: CONTAIN1
Event Description: NEW OPERATING PERMIT - FINAL PERMIT
Date: 3/13/1984
Doc Link:

Unit: CONTAIN1
Event Description: NEW OPERATING PERMIT - APPLICATION PART B RECEIVED
Date: 3/30/1983
Doc Link:

Unit: CONTAIN1
Event Description: NEW OPERATING PERMIT - PUBLIC COMMENT (BEGIN)
Date: 8/12/1983
Doc Link:

Unit: CONTAIN1
Event Description: NEW OPERATING PERMIT - FINAL PERMIT (EFFECTIVE)
Date: 3/13/1984
Doc Link:

Unit: CONTAIN1
Event Description: NEW OPERATING PERMIT - FINAL PERMIT (EXPIRES)
Date: 3/13/1989
Doc Link:

Unit: CONTAIN1
Event Description: NEW OPERATING PERMIT - TECHNICAL COMPLETE LETTER
Date: 10/25/1983
Doc Link:

Units Undergoing Closure

Unit: CONTAIN1
Event Description: CLOSURE FINAL - ISSUE CLOSURE VERIFICATION
Date: 1/29/1996
Doc Link:

Unit: CONTAIN1
Event Description: CLOSURE FINAL - RECEIVE CLOSURE CERTIFICATION
Date: 12/8/1995
Doc Link:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
118	3 of 5	SE	0.49 / 2,611.83	22.09 / -16	AMERICAN NATIONAL CAN 3801 E 8TH ST OAKLAND CA 94601	CLEANUP SITES

Global ID: SL18267688
Status: COMPLETED - CASE CLOSED
Status Date: 1997-12-23 00:00:00
Site Code:
Site Facility Type: CLEANUP PROGRAM SITE
County: ALAMEDA
Latitude: 37.771469
Longitude: -122.222758
Data Source: Cleanup Program Sites from GeoTracker Search; Cleanup Sites from GeoTracker Cleanup Sites Data Download

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case Number: SL18267688
Local Case Number:
Begin Date: 1993-12-01 00:00:00
Stop Method:
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Local Agency:
Potential COC:
Potential Media of Concern:
How Discovered:
How Discovered Description:
Stop Description:
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
DWR GW Subbasin Name: Santa Clara Valley - East Bay Plain (2-009.04)
Disadvantaged Community:
Site History:

CUF Case: NO
Case Worker: UUU
File Location:

No Further Action Letters on January 5, 1998 and December 23, 1997.

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Acitivity

Action Type: ENFORCEMENT
Date : 1997-12-23 00:00:00
Action: Closure/No Further Action Letter

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 1997-12-23 00:00:00

Status: Open - Case Begin Date
Status Date: 1993-12-01 00:00:00

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Phone Number:
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Email:

Address: 1515 CLAY ST SUITE 1400
City: OAKLAND

Cleanup Program Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)

Project Status:
CUF Claim:
CUF Priority Assign:
CUF Amount Paid:
User Defined Beneficial Use:
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: http://geotracker.waterboards.ca.gov/profile_report?global_id=SL18267688

WDR Place Type:
WDR File:
WDR Order:
File Location:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 12/23/1997
Cleanup History Link: http://geotracker.waterboards.ca.gov/profile_report_include?global_id=SL18267688&tabname=regulatoryhistory
Potential COC: NONE SPECIFIED
Potential Media Of Concern: NONE SPECIFIED
DWR GW Sub Basin: Santa Clara Valley - East Bay Plain (2-009.04)
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: SAN FRANCISCO BAY RWQCB (REGION 2) (LEAD) - CASE #: SL18267688
CASEWORKER: Regional Water Board
Site History:

No Further Action Letters on January 5, 1998 and December 23, 1997.

Cleanup Program Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)

Action Type: Other Regulatory Actions
Action Date: 12/23/1997
Received Issue Date: 12/23/1997
Action: Closure/No Further Action Letter
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL18267688&enforcement_id=6034771&temptable=ENFORCEMENT
Title Description Comments:

Cleanup Program Sites from GeoTracker Search - Documents(as of Jan 18, 2019)

Document Type: Site Documents
Submitted:
Document Date: 12/23/1997
Submitted By: CHERIE MCCAULOU (REGULATOR)
Size :
Title: UNKNOWN
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=SL18267688&enforcement_id=6034771
Type: CLOSURE/NO FURTHER ACTION LETTER

Cleanup Program Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)

Status: Completed - Case Closed
Date : 12/23/1997

Status: Open - Case Begin Date
Date : 12/1/1993

118	4 of 5	SE	0.49 / 2,611.83	22.09 / -16	TSD AMERICAN CAN COMPANY 3801 E 8TH ST Oakland CA 94601	ALAMEDA LOP

Record ID: RO0000797
Alt Record ID: SD0000797
Program: LUST
Release Type: UST
Site Contact: CHAN, BARNEY
RP Identification Date: 8/1/1991 12:00:00 AM
GIS Latitude: 37.7712011309
GIS Longitude: -122.2239193467
Data Source: Local Oversight Program Detailed Inventory; Local Oversight Program Inventory

--Details--
Program Element: 5602
Status: 9
Status Desc: Case closed
Substance: 12034
Org Name: ALAMEDA COUNTY LOP
Description 1: Case Closed

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Description 2: Not Applicable
Description 3: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

Program Element: 5602
Status: 9
Status Desc: Case closed
Substance: 12034
Org Name: AMERICAN NAT'L CAN CO
Description 1: Case Closed
Description 2: Property/Fee Title Owner
Description 3: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from Underground Storage Tank System

---

118	5 of 5	SE	0.49 / 2,611.83	22.09 / -16	AMERICAN CAN PACKAGING INC 3801 E 8TH ST OAKLAND CA 94604	RCRA CORRACTS

EPA Handler ID: CAD009162116
Gen Status Universe: Small Quantity Generator
Contact Name:
Contact Address: US
Contact Phone No and Ext:
Contact Email:
Contact Country: US
County Name: ALAMEDA
EPA Region: 09
Land Type:
Receive Date: 19960901

Event/Area Details

Area Name: ENTIRE FACILITY
Event Code: CA200
Corrective Action Event Descri: INVESTIGATION COMPLETE
Actual Date of Event: 19960601
Orig Sched Event Date:
New Sched Event Date:
Best Date: 19960601
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA050
Corrective Action Event Descri: RFA COMPLETED
Actual Date of Event: 19910901
Orig Sched Event Date: 19910901
New Sched Event Date:
Best Date: 19910901
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA070YE
Corrective Action Event Descri: DETERMINATION OF NEED FOR AN INVESTIGATION-INVESTIGATION IS NECESSARY
Actual Date of Event: 19910901

Orig Sched Event Date: 19910901
New Sched Event Date:
Best Date: 19910901
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA600SR
Corrective Action Event Descri: STABILIZATION/INTERIM MEASURES DECISION-PRIMARY MEAS IS SOURCE REMOVL &/OR TRT
Actual Date of Event: 19940101
Orig Sched Event Date:
New Sched Event Date:
Best Date: 19940101
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA725YE
Corrective Action Event Descri: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Actual Date of Event: 19970925
Orig Sched Event Date: 19970925
New Sched Event Date:
Best Date: 19970925
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA550RC
Corrective Action Event Descri: REMEDY CONSTRUCTION-REMEDY CONSTRUCTED
Actual Date of Event: 20100219
Orig Sched Event Date: 20100219
New Sched Event Date:
Best Date: 20100219
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA750YE
Corrective Action Event Descri: RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Actual Date of Event: 19970925
Orig Sched Event Date: 19970925
New Sched Event Date:
Best Date: 19970925
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Violation/Evaluation Summary

Note: VIOLATION or UNDETERMINED: There are VIOLATION or UNDETERMINED details or records associated with this facility (EPA ID) in the Compliance Monitoring and Enforcement table dated Mar, 2019.

Violation Details

Citation: F - 264.140-150.H
Violation Short Description: TSD - Financial Requirements
Violation Type: 264.H
Violation Determined Date: 19920605
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 19941107
Violation Responsible Agency: EPA

Violation Details

Citation: FR - 262.50-60
Violation Short Description: Generators - General
Violation Type: 262.A
Violation Determined Date: 19920116
Scheduled Compliance Date: 19920320
Return to Compliance: Observed
Actual Return to Compl: 19920428
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19920213
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Citation: FR - 262.30-34.C
Violation Short Description: Generators - General
Violation Type: 262.A
Violation Determined Date: 19920116
Scheduled Compliance Date: 19920320
Return to Compliance: Observed
Actual Return to Compl: 19920428
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19920213
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Citation: FR - 262.20-23.B
Violation Short Description: Generators - General
Violation Type: 262.A
Violation Determined Date: 19920116
Scheduled Compliance Date: 19920320

Return to Compliance: Observed
Actual Return to Compl: 19920428
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19920213
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Citation: FR - 268.7
Violation Short Description: LDR - General
Violation Type: 268.A
Violation Determined Date: 19920116
Scheduled Compliance Date: 19920320
Return to Compliance: Observed
Actual Return to Compl: 19920428
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19920213
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Citation: FR - 262.40-43.D
Violation Short Description: Generators - General
Violation Type: 262.A
Violation Determined Date: 19920116
Scheduled Compliance Date: 19920320
Return to Compliance: Observed
Actual Return to Compl: 19920428
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19920213
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Evaluation Details

Evaluation Start Date: 19920205
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description: TSD - Financial Requirements
Return to Compliance Date: 19941107
Evaluation Agency: EPA Contractor/Grantee

Evaluation Start Date: 19911211
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description: Generators - General
Return to Compliance Date: 19920428
Evaluation Agency: State

Evaluation Start Date: 19911211
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description: LDR - General
Return to Compliance Date: 19920428
Evaluation Agency: State

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner: No
Smelting, Melting and Refining: No
Underground Injection Control: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 19960901
Handler Name: AMERICAN CAN PACKAGING INC
Generator Status Universe: Small Quantity Generator
Source Type: Implementer

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19960901
Handler Name: AMERICAN CAN PACKAGING INC
Generator Status Universe: Small Quantity Generator
Source Type: Implementer

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 19940228
Handler Name: AMERICAN NATIONAL CAN CO.
Generator Status Universe: Small Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19920211
Handler Name: AMERICAN NATIONAL CAN CO
Generator Status Universe: Small Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19800814
Handler Name: AMERICAN CAN PACKAGING INC
Generator Status Universe: Small Quantity Generator
Source Type: Notification

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Private
Name: AMERICAN NATIONAL CAN INC
Date Became Current:
Date Ended Current:
Phone: 203-552-2181
Source Type: Notification
Street No:
Street 1: AMERICANLN1B9ENVIRONMENTALDEPT
Street 2:
City: GREENWICH
State: CT
Country:
Zip Code: 06830

Owner/Operator Ind: Current Operator
Type: Private
Name: AMERICAN CAN PACKAGING INC
Date Became Current:
Date Ended Current:
Phone: 203-552-2181
Source Type: Implementer
Street No:
Street 1: AMERICANLN1B9ENVIRONMENTALDEPT
Street 2:
City: CITY NOT REPORTED
State: CT
Country:
Zip Code: 99999

119	1 of 3	SE	0.50 / 2,615.98	22.15 / -16	AMERICAN NATIONAL CAN CO 3801 EAST 8TH ST OAKLAND CA 94601	CERCLIS

Site ID: 0901183
Site EPA ID: CAD009162116
Site Street Address 2:
Site County Name: ALAMEDA
Site FIPS Code: 06001
Region Code: 09
Site SMSA No.: 7360
Site Prim. Latitude: 37D46M48S
Site Prim. Longitude: 122D12M54S
Lat Long Source:
RNON NPL Status Desc: Deferred to RCRA
RNPL Status Code: N
NPL Status: Not on the NPL
RFED Facility Code: N
RFED Facility Desc: Not a Federal Facility
USGS Hydro Unit No.: 18050004
Site Cong. Dist. Code: 08
ROT Desc: Private
FR NPL Update No.:
RFRA Code:

CERCLIS Assess History

OU ID: 00
Act Code ID: 001
RAT Code: DS
RAT Short Name: DISCVRY
RAT Name: DISCOVERY
RAT Hist. Only Flag:
RAT NSI Indicator: B
RAT Level: 1
RAT DEF OU: 00
RFBS Code:
SPA Code: 13
RALT Short Name: EPA Fund
Act Start Date:
Act Complete Date: 3/23/1990 00:00:00
AGT Order No.: 10
SH OU:
SH Code:
SH Seq:
SH Start Date:
SH Complete Date:
SH Lead:
RAT Def: The process by which a potential hazardous waste site is brought to the attention of the EPA. The process can occur through the use of several mechanisms such as a phone call or referral by another government agency.
Site Desc:

Site Alias:

CERCLIS Assess History

OU ID:	00	**RALT Short Name:**	
Act Code ID:		**Act Start Date:**	
RAT Code:		**Act Complete Date:**	
RAT Short Name:		**AGT Order No.:**	0
RAT Name:		**SH OU:**	
RAT Hist. Only Flag:		**SH Code:**	
RAT NSI Indicator:		**SH Seq:**	
RAT Level:		**SH Start Date:**	
RAT DEF OU:		**SH Complete Date:**	
RFBS Code:		**SH Lead:**	
SPA Code:			
RAT Def:			
Site Desc:	No description available .		
Site Alias:	AMERICAN CAN CO.,,,CA,;		

CERCLIS Assess History

OU ID:	00	**RALT Short Name:**	EPA Fund
Act Code ID:	001	**Act Start Date:**	
RAT Code:	PA	**Act Complete Date:**	10/21/1991 00:00:00
RAT Short Name:	PA	**AGT Order No.:**	130
RAT Name:	PRELIMINARY ASSESSMENT	**SH OU:**	
RAT Hist. Only Flag:		**SH Code:**	
RAT NSI Indicator:	B	**SH Seq:**	
RAT Level:	1	**SH Start Date:**	
RAT DEF OU:	00	**SH Complete Date:**	
RFBS Code:	P	**SH Lead:**	
SPA Code:	13		
RAT Def:	Collection of diverse existing information about the source and nature of the site hazard. It is EPA policy to complete the preliminary assessment within one year of site discovery.		
Site Desc:			
Site Alias:			

CERCLIS Assess History

OU ID:	00	**RALT Short Name:**	EPA In-House
Act Code ID:	001	**Act Start Date:**	
RAT Code:	VS	**Act Complete Date:**	1/23/1996 00:00:00
RAT Short Name:	ARCH SITE	**AGT Order No.:**	1500
RAT Name:	ARCHIVE SITE	**SH OU:**	
RAT Hist. Only Flag:		**SH Code:**	
RAT NSI Indicator:	B	**SH Seq:**	
RAT Level:	1	**SH Start Date:**	
RAT DEF OU:	00	**SH Complete Date:**	
RFBS Code:		**SH Lead:**	
SPA Code:	13		
RAT Def:	The decision is made that no further activity is planned at the site.		
Site Desc:			
Site Alias:			

119	2 of 3	SE	0.50 / 2,615.98	22.15 / -16	AMERICAN NATIONAL CAN CO 3801 EAST 8TH ST OAKLAND CA 94601	CERCLIS NFRAP

Site ID:	901183	**Site FIPS Code:**	6001
Site EPA ID:	CAD009162116	**Region Code:**	9
Site Parent ID:		**Site Cong. Dist. Code:**	8
Site County Name:	ALAMEDA	**Federal Facility:**	
Parent Site Name:			

CERCLIS-NFRAP Assess History

OU ID:	0	***Act Start Date:***	
Act Code ID:	1	***Act Complete Date:***	3/23/1990
RAT Code:	DS	***AGT Order No.:***	10
RAT Short Name:	DISCVRY	***SH OU:***	
RAT Name:	DISCOVERY	***SH Code:***	
RAT Hist. Only Flag:		***SH Seq:***	
RAT NSI Indicator:	B	***SH Start Date:***	
RAT Level:	1	***SH Complete Date:***	
RAT DEF OU:	00	***SH Lead:***	
RFBS Code:		***SH Qual:***	
SPA Code:	13	***RAQ Act. Qual Short:***	
RALT Short Name:	EPA Fund	***RNPL Status Code:***	N

RAT Def: The process by which a potential hazardous waste site is brought to the attention of the EPA. The process can occur through the use of several mechanisms such as a phone call or referral by another government agency.

RNON NPL Status Desc: Deferred to RCRA

CERCLIS-NFRAP Assess History

OU ID:	0	***Act Start Date:***	
Act Code ID:	1	***Act Complete Date:***	10/21/1991
RAT Code:	PA	***AGT Order No.:***	130
RAT Short Name:	PA	***SH OU:***	
RAT Name:	PRELIMINARY ASSESSMENT	***SH Code:***	
RAT Hist. Only Flag:		***SH Seq:***	
RAT NSI Indicator:	B	***SH Start Date:***	
RAT Level:	1	***SH Complete Date:***	
RAT DEF OU:	00	***SH Lead:***	
RFBS Code:	P	***SH Qual:***	
SPA Code:	13	***RAQ Act. Qual Short:***	Deferred to RCRA
RALT Short Name:	EPA Fund	***RNPL Status Code:***	N

RAT Def: Collection of diverse existing information about the source and nature of the site hazard. It is EPA policy to complete the preliminary assessment within one year of site discovery.

RNON NPL Status Desc: Deferred to RCRA

CERCLIS-NFRAP Assess History

OU ID:	0	***Act Start Date:***	
Act Code ID:	1	***Act Complete Date:***	1/23/1996
RAT Code:	VS	***AGT Order No.:***	1500
RAT Short Name:	ARCH SITE	***SH OU:***	
RAT Name:	ARCHIVE SITE	***SH Code:***	
RAT Hist. Only Flag:		***SH Seq:***	
RAT NSI Indicator:	B	***SH Start Date:***	
RAT Level:	1	***SH Complete Date:***	
RAT DEF OU:	00	***SH Lead:***	
RFBS Code:		***SH Qual:***	
SPA Code:	13	***RAQ Act. Qual Short:***	
RALT Short Name:	EPA In-House	***RNPL Status Code:***	N

RAT Def: The decision is made that no further activity is planned at the site.

RNON NPL Status Desc: Deferred to RCRA

119	*3 of 3*	*SE*	*0.50 / 2,615.98*	*22.15 / -16*	***AMERICAN NATIONAL CAN CO*** ***3801 EAST 8TH ST*** ***OAKLAND CA 94601***	***SEMS ARCHIVE***

Site ID:	0901183	***FIPS Code:***	06001
EPA ID:	CAD009162116	***Cong District:***	08
NPL:	Not on the NPL	***Region:***	09
Federal Facility:	No	***County:***	ALAMEDA
Non NPL Status:	Deferred to RCRA (Subtitle C)		

Action Information

Operable Units:	00	**Start Actual:**	
Action Code:	VS	**Finish Actual:**	01/23/1996
Action Name:	ARCH SITE	**Qual:**	
SEQ:	1	**Curr Action Lead:**	EPA Perf In-Hse
Operable Units:	00	**Start Actual:**	03/23/1990
Action Code:	DS	**Finish Actual:**	03/23/1990
Action Name:	DISCVRY	**Qual:**	
SEQ:	1	**Curr Action Lead:**	EPA Perf
Operable Units:	00	**Start Actual:**	
Action Code:	PA	**Finish Actual:**	10/21/1991
Action Name:	PA	**Qual:**	D
SEQ:	1	**Curr Action Lead:**	EPA Perf
Operable Units:	00	**Start Actual:**	
Action Code:	PA	**Finish Actual:**	10/21/1991
Action Name:	PA	**Qual:**	D
SEQ:	1	**Curr Action Lead:**	EPA Perf
Operable Units:	00	**Start Actual:**	
Action Code:	VS	**Finish Actual:**	01/23/1996
Action Name:	ARCH SITE	**Qual:**	
SEQ:	1	**Curr Action Lead:**	EPA Perf In-Hse
Operable Units:	00	**Start Actual:**	03/23/1990
Action Code:	DS	**Finish Actual:**	03/23/1990
Action Name:	DISCVRY	**Qual:**	
SEQ:	1	**Curr Action Lead:**	EPA Perf

120	1 of 1	NW	0.50 / 2,631.74	22.33 / -15	MEL SENNA BRAKE SERVICE 2301 E 12TH ST Oakland CA 94601	ALAMEDA LOP

Record ID:	RO0000387
Alt Record ID:	SD0000387
Program:	LUST
Release Type:	UST
Site Contact:	DETTERMAN, MARK
RP Identification Date:	2/25/1992 12:00:00 AM
GIS Latitude:	37.782467933
GIS Longitude:	-122.2367796959
Data Source:	Local Oversight Program Detailed Inventory; Local Oversight Program Inventory

--Details--

Program Element:	5602
Status:	5R
Status Desc:	Remediation plan
Substance:	8006619
Org Name:	ALAMEDA COUNTY LOP
Description 1:	Remediation Plan
Description 2:	Not Applicable
Description 3:	Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Description 4:	RP Identified & Solvent
Description 5:	Other Groundwater affected (uses other than drinking water)
Description 6:	Substance released from Underground Storage Tank System

121	1 of 1	NW	0.50 / 2,637.98	21.58 / -16	MEL SENNA BRAKE SERVICE 2301 E 12TH STREET OAKLAND CA 94601	LUST

Global ID:	T0600101212	**County:**	ALAMEDA
Status:	OPEN - ASSESSMENT & INTERIM REMEDIAL ACTION	**Latitude:**	37.7822138137795

Status Date: 1991-03-01 00:00:00
Longitude: -122.236783504486
Case Type: LUST CLEANUP SITE
Date Source: LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case Number: 01-1317
Potential COC: Other Solvent or Non-Petroleum Hydrocarbon, Trichloroethylene (TCE), Vinyl chloride, Diesel, Gasoline, Waste Oil / Motor / Hydraulic / Lubricating
Local Case Number: RO0000387
How Discovered: Tank Closure
Begin Date: 1990-12-19 00:00:00
Stop Method: Close and Remove Tank
Lead Agency: ALAMEDA COUNTY LOP
Stop Description:
Local Agency: ALAMEDA COUNTY LOP
Case Worker: MD
CUF Case: YES
File Location: All Files are on GeoTracker or in the Local Agency Database

Potential Media of Concern: Other Groundwater (uses other than drinking water), Soil
How Discovered Description:
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
DWR GW Subbasin Name: Santa Clara Valley - East Bay Plain (2-009.04)
Disadvantaged Community: Severely Disadvantaged Community
Site History:

Four USTs (one gas, one diesel, and two waste oil USTs) were removed between December 1990 and March 1991. Impacted soil was excavated to a depth of 17 - 18 feet bgs; a maximum concentration of 13,000 mg/kg TPHg and 46 mg/kg benzene were encountered at 9 feet bgs. Halogenated VOCs were detected in tank sludge from the gas UST and returned to the site for proper disposal. Some of the excavated soil is reported to have been reused to backfill the pits, no soil manifests appear to have been submitted. Wells MW-1 to MW-3 were installed in June 1991; wells MW-4 to MW-6, EW-1, and soil bores B-1 & B-2 were installed or drilled in July 1992 to July 1993. Weekly or other periodic bailing of wells MW-1 to MW-3 was conducted between April and November 1993 to reduce FP from well MW-2. Grab groundwater was collected from soil bores SB-1 to SB-6 in March / April 1999. An evaluation of remedial alternatives was submitted in February 2001, but does not appear to have been implemented. A Tier I Screening Level Human Health Risk Assessment was submitted in December 2005. Groundwater monitoring occurred intermittently between July 1992 and May 2000, followed by a June 2007 monitoring event. A sensitive receptor survey and well survey were submitted in December 2008; water supply well located 235 feet downgradient. Soil bores SB-7 to SB-13 (including two deep bores to approximately 50 feet bgs), and temporary soil gas probes SG-1 to SG-6 were installed in March 2009. In July 2018 eleven soil bores (C1 to C11) were drilled at the site to assess the extent of soil contamination. Additionally, wells MW-1, MW-5, MW-6, and EW-1 were reinstalled due to low / submerged screen levels in the original installations, and soil vapor wells SG1 toSG5 were reinstalled to a depth of approximately 5.5 feet bgs in order to evaluate the site consistent with the Low Threat Closure Policy. Based on the data, substantial secondary and residual source remains in the former USTS exaction areas and corrective actions are required. Not all historic documents for the fuel leak case may be available on GeoTracker. A more complete historic case file for this site is located on the Alameda County Environmental Health website at: http://ehgis.acgov.org/dehpublic/dehpublic.jsp.

Regulatory Activity

Action Type: RESPONSE
Date : 2019-04-25 00:00:00
Action: Monitoring Report - Quarterly

Action Type: RESPONSE
Date : 2019-03-29 00:00:00
Action: CAP/RAP - Feasibility Study Report

Action Type: RESPONSE
Date : 2019-02-01 00:00:00
Action: Monitoring Report - Quarterly

Action Type: ENFORCEMENT
Date : 2019-01-25 00:00:00
Action: Staff Letter

Action Type: RESPONSE
Date : 2018-11-02 00:00:00
Action: Site Assessment Report

Action Type: RESPONSE
Date : 2018-11-02 00:00:00
Action: Monitoring Report - Quarterly

Action Type: ENFORCEMENT
Date : 2018-10-17 00:00:00
Action: Staff Letter

Action Type: RESPONSE
Date : 2018-09-17 00:00:00
Action: Site Assessment Report

Action Type: ENFORCEMENT
Date : 2018-07-17 00:00:00
Action: Staff Letter

Action Type: ENFORCEMENT
Date : 2018-07-02 00:00:00
Action: Staff Letter

Action Type: RESPONSE
Date : 2018-06-28 00:00:00
Action: Soil and Water Investigation Workplan - Addendum - Regulator Responded

Action Type: ENFORCEMENT
Date : 2018-04-25 00:00:00
Action: Staff Letter

Action Type: ENFORCEMENT
Date : 2018-04-18 00:00:00
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Action Type: RESPONSE
Date : 2017-08-14 00:00:00
Action: Soil and Water Investigation Workplan - Regulator Responded

Action Type: ENFORCEMENT
Date : 2017-06-08 00:00:00
Action: Notice of Violation

Action Type: RESPONSE
Date : 2016-07-22 00:00:00
Action: Soil and Water Investigation Workplan

Action Type: ENFORCEMENT
Date : 2016-05-26 00:00:00
Action: Notice to Comply - #20160526

Action Type: RESPONSE
Date : 2014-11-21 00:00:00
Action: Monitoring Report - Semi-Annually

Action Type: RESPONSE
Date : 2014-11-03 00:00:00
Action: Soil and Water Investigation Workplan

Action Type: RESPONSE
Date : 2014-08-29 00:00:00
Action: Correspondence

Action Type: ENFORCEMENT
Date : 2014-08-13 00:00:00
Action: Staff Letter - #20140814

Action Type: RESPONSE
Date : 2014-01-24 00:00:00
Action: Monitoring Report - Semi-Annually

Action Type: ENFORCEMENT
Date : 2013-11-12 00:00:00
Action: Notice to Comply - #20131112

Action Type: RESPONSE
Date : 2012-11-02 00:00:00
Action: Soil and Water Investigation Report

Action Type: RESPONSE
Date : 2012-11-02 00:00:00
Action: Monitoring Report - Semi-Annually

Action Type: RESPONSE
Date : 2012-11-02 00:00:00
Action: Pilot Study/ Treatability Report

Action Type: ENFORCEMENT
Date : 2012-09-24 00:00:00
Action: Notice to Comply - #20120924

Action Type: ENFORCEMENT
Date : 2012-09-13 00:00:00
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Action Type: RESPONSE
Date : 2012-04-06 00:00:00
Action: Monitoring Report - Semi-Annually

Action Type: ENFORCEMENT
Date : 2012-03-05 00:00:00
Action: File review

Action Type: RESPONSE
Date : 2011-12-02 00:00:00
Action: Pilot Study/ Treatability Report

Action Type: RESPONSE
Date : 2011-11-04 00:00:00
Action: Soil and Water Investigation Report

Action Type: ENFORCEMENT
Date : 2011-08-15 00:00:00
Action: Staff Letter - #20110815

Action Type: RESPONSE
Date : 2011-02-28 00:00:00
Action: Interim Remedial Action Plan

Action Type: RESPONSE
Date : 2011-02-28 00:00:00
Action: Site Assessment Report

Action Type: ENFORCEMENT
Date : 2010-12-23 00:00:00
Action: Staff Letter

Action Type: ENFORCEMENT
Date : 2010-07-12 00:00:00
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Action Type: ENFORCEMENT
Date : 2010-03-22 00:00:00
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Action Type: ENFORCEMENT
Date : 2009-07-24 00:00:00
Action: Staff Letter - #20090724

Action Type: ENFORCEMENT
Date : 2009-01-23 00:00:00
Action: Technical Correspondence / Assistance / Other - #20090123

Action Type: ENFORCEMENT

Date : 2008-07-03 00:00:00
Action: Technical Correspondence / Assistance / Other - #20080703

Action Type: RESPONSE
Date : 2007-05-31 00:00:00
Action: Correspondence

Action Type: ENFORCEMENT
Date : 2006-05-30 00:00:00
Action: Staff Letter - #20060530

Action Type: RESPONSE
Date : 2001-08-02 00:00:00
Action: Risk Assessment Report

Action Type: RESPONSE
Date : 2001-02-15 00:00:00
Action: CAP/RAP - Feasibility Study Report

Action Type: RESPONSE
Date : 1999-11-10 00:00:00
Action: Other Report / Document

Action Type: RESPONSE
Date : 1995-03-31 00:00:00
Action: Soil and Water Investigation Report

Action Type: RESPONSE
Date : 1994-05-10 00:00:00
Action: Soil and Water Investigation Report

Action Type: RESPONSE
Date : 1993-08-31 00:00:00
Action: Tank Removal Report / UST Sampling Report

Action Type: RESPONSE
Date : 1992-11-25 00:00:00
Action: Monitoring Report - Quarterly

Action Type: RESPONSE
Date : 1992-08-01 00:00:00
Action: Soil and Water Investigation Report

Action Type: RESPONSE
Date : 1991-06-10 00:00:00
Action: Other Report / Document

Action Type: RESPONSE
Date : 1991-03-28 00:00:00
Action: Tank Removal Report / UST Sampling Report

Action Type: Other
Date : 1990-12-24 00:00:00
Action: Leak Reported

Action Type: Other
Date : 1990-12-24 00:00:00
Action: Leak Stopped

Action Type: Other
Date : 1990-12-19 00:00:00
Action: Leak Discovery

Regulatory Contacts

Contact Type:	Regional Board Caseworker	***Address:***	1515 CLAY ST SUITE 1400
Contact Name:	Regional Water Board	***Email:***	
City:	OAKLAND	***Phone Number:***	

Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)

Contact Type: Local Agency Caseworker
Contact Name: MARK DETTERMAN
City: ALAMEDA
Organization Name: ALAMEDA COUNTY LOP
Address: 1131 HARBOR BAY PARKWAY
Email: mark.detterman@acgov.org
Phone Number: 5105676876

Status History

Status: Open - Assessment & Interim Remedial Action
Status Date: 1991-03-01 00:00:00

Status: Open - Site Assessment
Status Date: 1990-12-24 00:00:00

Status: Open - Case Begin Date
Status Date: 1990-12-19 00:00:00

LUST Cleanup Sites from GeoTracker Search - Regulatory Profile(as of Jan 18, 2019)

Site Facility Name: MEL SENNA BRAKE SERVICE
Site Facility Type: LUST CLEANUP SITE
Cleanup Status: OPEN - ASSESSMENT & INTERIM REMEDIAL ACTION
Project Status:
Potential COC: DIESEL, GASOLINE, OTHER SOLVENT OR NON-PETROLEUM HYDROCARBON, TRICHLOROETHYLENE (TCE), VINYL CHLORIDE, WASTE OIL / MOTOR / HYDRAULIC / LUBRICATING
WDR Place Type:
WDR File:
WDR Order:
Address: 2301 E 12TH STREET
City: OAKLAND
Zip: 94601
County: ALAMEDA
CUF Claim: 10290
CUF Priority Assig: C
CUF Amount Paid: $228,003
File Location: ALL FILES ARE ON GEOTRACKER OR IN THE LOCAL AGENCY DATABASE
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: http://geotracker.waterboards.ca.gov/profile_report?global_id=T0600101212
Cleanup Status Detail: OPEN - ASSESSMENT & INTERIM REMEDIAL ACTION AS OF 3/1/1991
Cleanup History Link: http://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0600101212&tabname=regulatoryhistory
Potential Media Of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER), SOIL
User Defined Beneficial Use:
DWR GW Sub Basin: Santa Clara Valley - East Bay Plain (2-009.04)
Calwater Watershed Name: South Bay - East Bay Cities (204.20)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: ALAMEDA COUNTY LOP (LEAD) - CASE #: RO0000387
CASEWORKER: MARK DETTERMAN
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 01-1317
CASEWORKER: Regional Water Board

Site History:

Four USTs (one gas, one diesel, and two waste oil USTs) were removed between December 1990 and March 1991. Impacted soil was excavated to a depth of 17 - 18 feet bgs; a maximum concentration of 13,000 mg/kg TPHg and 46 mg/kg benzene were encountered at 9 feet bgs. Halogenated VOCs were detected in tank sludge from the gas UST and returned to the site for proper disposal. Some of the excavated soil is reported to have been reused to backfill the pits, no soil manifests appear to have been submitted. Wells MW-1 to MW-3 were installed in June 1991; wells MW-4 to MW-6, EW-1, and soil bores B-1 & B-2 were installed or drilled in July 1992 to July 1993. Weekly or other periodic bailing of wells MW-1 to MW-3 was conducted between April and November 1993 to reduce FP from well MW-2. Grab groundwater was collected from soil bores SB-1 to SB-6 in March / April 1999. An evaluation of remedial alternatives was submitted in February 2001, but does not appear to have been implemented. A Tier I Screening Level Human Health Risk Assessment was submitted in December 2005. Groundwater monitoring occurred intermittently between July 1992 and May 2000, followed by a June 2007 monitoring event. A sensitive receptor survey and well survey were submitted in December 2008; water supply well located 235 feet downgradient. Soil bores SB-7 to SB-13 (including two deep bores to approximately 50 feet bgs), and temporary soil gas probes SG-1 to SG-6 were installed in March 2009. In July 2018 eleven soil bores (C1 to C11) were drilled at the site to assess the extent of soil contamination. Additionally, wells MW-1, MW-5, MW-6, and EW-1 were reinstalled due to low / submerged screen levels in the original installations, and soil vapor wells SG1 toSG5 were reinstalled to a depth of approximately 5.5 feet bgs in order to evaluate the site consistent with the Low Threat Closure Policy. Based on the data, substantial secondary and residual source remains in the former USTS exaction areas and corrective actions are required.

Not all historic documents for the fuel leak case may be available on GeoTracker. A more complete historic case file for this site is located on the

Alameda County Environmental Health website at: http://ehgis.acgov.org/dehpublic/dehpublic.jsp.

LUST Cleanup Sites from GeoTracker Search - Cleanup Action Report(as of Jan 18, 2019)

Status: Open - Assessment & Interim Remedial Action
Date : 3/1/1991

Status: Open - Site Assessment
Date : 12/24/1990

Status: Open - Case Begin Date
Date : 12/19/1990

LUST Cleanup Sites from GeoTracker Search - Regulatory Activities(as of Jan 18, 2019)

Action Type: Response Requested - Reports
Action Date: 4/25/2019
Received Issue Date:
Action: Monitoring Report - Quarterly
Doc Link:

Action Type: Response Requested - Reports
Action Date: 3/29/2019
Received Issue Date:
Action: CAP/RAP - Feasibility Study Report
Doc Link:

Action Type: Response Requested - Reports
Action Date: 2/1/2019
Received Issue Date:
Action: Monitoring Report - Quarterly
Doc Link:

Action Type: Other Regulatory Actions
Action Date: 1/25/2019
Received Issue Date: 1/25/2019
Action: Staff Letter
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101212&enforcement_id=6383382&temptable=ENFORCEMENT

Action Type: Response Requested - Reports
Action Date: *11/2/2018
Received Issue Date: 10/17/2018
Action: Site Assessment Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101212&doc_id=5975789

Action Type: Response Requested - Reports
Action Date: *11/2/2018
Received Issue Date: 10/17/2018
Action: Monitoring Report - Quarterly
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101212&doc_id=5962730

Action Type: Other Regulatory Actions
Action Date: 10/17/2018
Received Issue Date: 10/17/2018
Action: Staff Letter
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101212&enforcement_id=6372601&temptable=ENFORCEMENT

Action Type: Response Requested - Reports
Action Date: *9/17/2018
Received Issue Date:
Action: Site Assessment Report
Doc Link:

Action Type: Other Regulatory Actions

Action Date: 7/17/2018
Received Issue Date: 7/17/2018
Action: Staff Letter
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101212&enforcement_id=6364044&temptable=ENFORCEMENT

Action Type: Other Regulatory Actions
Action Date: 7/2/2018
Received Issue Date: 7/2/2018
Action: Staff Letter
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101212&enforcement_id=6370888&temptable=ENFORCEMENT

Action Type: Response Requested - Workplans
Action Date: 6/28/2018
Received Issue Date: 6/28/2018
Action: Soil and Water Investigation Workplan - Addendum - Regulator Responded
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101212&doc_id=5968909

Action Type: Other Regulatory Actions
Action Date: 4/25/2018
Received Issue Date: 4/25/2018
Action: Staff Letter
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101212&enforcement_id=6356052&temptable=ENFORCEMENT

Action Type: Response Requested - Reports
Action Date: 4/18/2018
Received Issue Date: 4/18/2018
Action: Clean Up Fund - 5-Year Review Summary
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101212&doc_id=5962199

Action Type: Response Requested - Workplans
Action Date: 8/14/2017
Received Issue Date: 3/2/2018
Action: Soil and Water Investigation Workplan - Regulator Responded
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101212&doc_id=5923812

Action Type: Enforcement/Orders
Action Date: 6/8/2017
Received Issue Date: 6/8/2017
Action: Notice of Violation
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101212&enforcement_id=6322448&temptable=ENFORCEMENT

Action Type: Response Requested - Workplans
Action Date: 7/22/2016
Received Issue Date:
Action: Soil and Water Investigation Workplan
Doc Link:

Action Type: Enforcement/Orders
Action Date: 5/26/2016
Received Issue Date: 5/26/2016
Action: Notice to Comply - #20160526
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101212&enforcement_id=6286077&temptable=ENFORCEMENT

Action Type: Response Requested - Reports
Action Date: 11/21/2014
Received Issue Date:
Action: Monitoring Report - Semi-Annually
Doc Link:

Action Type: Response Requested - Workplans
Action Date: 11/3/2014
Received Issue Date:
Action: Soil and Water Investigation Workplan
Doc Link:

Action Type: Response Requested - Other
Action Date: 8/29/2014
Received Issue Date: 8/20/2014
Action: Correspondence
Doc Link:

Action Type: Other Regulatory Actions
Action Date: 8/13/2014
Received Issue Date: 8/13/2014
Action: Staff Letter - #20140814
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101212&enforcement_id=6217142&temptable=ENFORCEMENT

Action Type: Response Requested - Reports
Action Date: 1/24/2014
Received Issue Date: 12/20/2013
Action: Monitoring Report - Semi-Annually
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101212&doc_id=5789321

Action Type: Enforcement/Orders
Action Date: 11/12/2013
Received Issue Date: 11/12/2013
Action: Notice to Comply - #20131112
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101212&enforcement_id=6182327&temptable=ENFORCEMENT

Action Type: Response Requested - Reports
Action Date: 11/2/2012
Received Issue Date: 12/20/2013
Action: Monitoring Report - Semi-Annually
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101212&doc_id=5753241

Action Type: Response Requested - Reports
Action Date: 11/2/2012
Received Issue Date:
Action: Pilot Study/ Treatability Report
Doc Link:

Action Type: Response Requested - Reports
Action Date: 11/2/2012
Received Issue Date: 12/20/2013
Action: Soil and Water Investigation Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101212&doc_id=5753240

Action Type: Enforcement/Orders
Action Date: 9/24/2012
Received Issue Date: 9/24/2012
Action: Notice to Comply - #20120924
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101212&enforcement_id=6138639&temptable=ENFORCEMENT

Action Type: Response Requested - Reports
Action Date: 4/30/2012
Received Issue Date: 4/30/2012
Action: Clean Up Fund - 5-Year Review Summary
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101212&doc_id=5752205

Action Type: Response Requested - Reports
Action Date: 4/6/2012
Received Issue Date:
Action: Monitoring Report - Semi-Annually
Doc Link:

Action Type: Other Regulatory Actions
Action Date: 3/5/2012
Received Issue Date: 3/5/2012
Action: File review
Doc Link:

Action Type: Response Requested - Reports
Action Date: 12/2/2011
Received Issue Date:
Action: Pilot Study/ Treatability Report
Doc Link:

Action Type: Response Requested - Reports
Action Date: 11/4/2011
Received Issue Date:
Action: Soil and Water Investigation Report
Doc Link:

Action Type: Other Regulatory Actions
Action Date: 8/15/2011
Received Issue Date: 8/15/2011
Action: Staff Letter - #20110815
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101212&enforcement_id=6095948&temptable=ENFORCEMENT

Action Type: Response Requested - Reports
Action Date: 2/28/2011
Received Issue Date: 6/9/2011
Action: Site Assessment Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101212&doc_id=5714658

Action Type: Response Requested - Workplans
Action Date: 2/28/2011
Received Issue Date: 6/9/2011
Action: Interim Remedial Action Plan
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101212&doc_id=5714657

Action Type: Other Regulatory Actions
Action Date: 12/23/2010
Received Issue Date: 12/23/2010
Action: Staff Letter
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101212&enforcement_id=6088781&temptable=ENFORCEMENT

Action Type: Response Requested - Reports
Action Date: 7/13/2010
Received Issue Date: 7/13/2010
Action: Clean Up Fund - 5-Year Review Summary
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101212&doc_id=6056996

Action Type: Other Regulatory Actions
Action Date: 7/24/2009
Received Issue Date: 7/24/2009
Action: Staff Letter - #20090724
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101212&enforcement_id=6024316&temptable=ENFORCEMENT

Action Type: Response Requested - Reports
Action Date: 3/19/2009
Received Issue Date: 3/19/2009
Action: Clean Up Fund - 5-Year Review Summary
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101212&doc_id=6045864

Action Type: Other Regulatory Actions
Action Date: 1/23/2009
Received Issue Date: 1/23/2009
Action: Technical Correspondence / Assistance / Other - #20090123
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101212&enforcement_id=6001093&temptable=ENFORCEMENT

Action Type: Other Regulatory Actions
Action Date: 7/3/2008
Received Issue Date: 7/3/2008
Action: Technical Correspondence / Assistance / Other - #20080703

Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101212&enforcement_id=5980374&temptable=ENFORCEMENT

Action Type: Response Requested - Other
Action Date: 5/31/2007
Received Issue Date: 5/31/2007
Action: Correspondence
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101212&doc_id=5746953

Action Type: Other Regulatory Actions
Action Date: 5/30/2006
Received Issue Date: 5/30/2006
Action: Staff Letter - #20060530
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101212&enforcement_id=6133409&temptable=ENFORCEMENT

Action Type: Response Requested - Reports
Action Date: 8/2/2001
Received Issue Date: 8/2/2001
Action: Risk Assessment Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101212&doc_id=5746954

Action Type: Response Requested - Reports
Action Date: 2/15/2001
Received Issue Date: 2/15/2001
Action: CAP/RAP - Feasibility Study Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101212&doc_id=5746951

Action Type: Response Requested - Other
Action Date: 11/10/1999
Received Issue Date: 11/10/1999
Action: Other Report / Document
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101212&doc_id=5746952

Action Type: Response Requested - Reports
Action Date: 3/31/1995
Received Issue Date: 3/31/1995
Action: Soil and Water Investigation Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101212&doc_id=5746949

Action Type: Response Requested - Reports
Action Date: 5/10/1994
Received Issue Date: 5/10/1994
Action: Soil and Water Investigation Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101212&doc_id=5746948

Action Type: Response Requested - Reports
Action Date: 8/31/1993
Received Issue Date: 8/31/1993
Action: Tank Removal Report / UST Sampling Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101212&doc_id=5746947

Action Type: Response Requested - Reports
Action Date: 11/25/1992
Received Issue Date: 11/25/1992
Action: Monitoring Report - Quarterly
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101212&doc_id=5746956

Action Type: Response Requested - Reports
Action Date: 8/1/1992
Received Issue Date: 8/1/1992
Action: Soil and Water Investigation Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101212&doc_id=5746950

Action Type: Response Requested - Other
Action Date: 6/10/1991
Received Issue Date: 6/10/1991
Action: Other Report / Document
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101212&doc_id=5746955

Action Type: Response Requested - Reports
Action Date: 3/28/1991
Received Issue Date: 3/28/1991
Action: Tank Removal Report / UST Sampling Report
Doc Link: http://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101212&doc_id=5746946

Action Type: Leak Action
Action Date: 12/24/1990
Received Issue Date:
Action: Leak Stopped
Doc Link:

Action Type: Leak Action
Action Date: 12/24/1990
Received Issue Date:
Action: Leak Reported
Doc Link:

Action Type: Leak Action
Action Date: 12/19/1990
Received Issue Date:
Action: Leak Discovery
Doc Link:

LUST Cleanup Sites from GeoTracker Search - Site Maps(as of Jan 18, 2019)

Title: SUBSURFACE INVESTIGATION REPORT (C4)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4150891244/T0600101212.PDF
Size : 332 KB
Submitted By: PAUL KING (AUTH_RP)
Submitted: 10/17/2018

Title: SUBSURFACE INVESTIGATION REPORT (C11)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7435666024/T0600101212.PDF
Size : 327 KB
Submitted By: PAUL KING (AUTH_RP)
Submitted: 10/17/2018

Title: SUBSURFACE INVESTIGATION REPORT (C5)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9934213459/T0600101212.PDF
Size : 316 KB
Submitted By: PAUL KING (AUTH_RP)
Submitted: 10/17/2018

Title: SUBSURFACE INVESTIGATION REPORT (C10)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1871475458/T0600101212.PDF
Size : 326 KB
Submitted By: PAUL KING (AUTH_RP)
Submitted: 10/17/2018

Title: SUBSURFACE INVESTIGATION REPORT (SG4A)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5001068353/T0600101212.PDF
Size : 304 KB
Submitted By: PAUL KING (AUTH_RP)
Submitted: 10/17/2018

Title: GEO_MAP
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/6604005813/T0600101212.PDF
Size : 3,786 KB
Submitted By: PAUL KING (AUTH_RP)
Submitted: 10/17/2018

Title: SUBSURFACE INVESTIGATION REPORT (C7)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9155204474/T0600101212.PDF
Size : 319 KB
Submitted By: PAUL KING (AUTH_RP)
Submitted: 10/17/2018

Title: SUBSURFACE INVESTIGATION REPORT (SG1A)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4377077102/T0600101212.PDF
Size : 307 KB
Submitted By: PAUL KING (AUTH_RP)
Submitted: 10/17/2018

Title: SUBSURFACE INVESTIGATION REPORT (SG2A)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6379440546/T0600101212.PDF
Size : 306 KB
Submitted By: PAUL KING (AUTH_RP)
Submitted: 10/17/2018

Title: SUBSURFACE INVESTIGATION REPORT (C3)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9420647680/T0600101212.PDF
Size : 326 KB
Submitted By: PAUL KING (AUTH_RP)
Submitted: 10/17/2018

Title: SUBSURFACE INVESTIGATION REPORT (C1)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7976880013/T0600101212.PDF
Size : 314 KB
Submitted By: PAUL KING (AUTH_RP)
Submitted: 10/17/2018

Title: SUBSURFACE INVESTIGATION REPORT (C2)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9881661474/T0600101212.PDF
Size : 312 KB
Submitted By: PAUL KING (AUTH_RP)
Submitted: 10/17/2018

Title: SUBSURFACE INVESTIGATION REPORT (C9)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8592526376/T0600101212.PDF
Size : 315 KB
Submitted By: PAUL KING (AUTH_RP)
Submitted: 10/17/2018

Title: SUBSURFACE INVESTIGATION REPORT (SG3A)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3536892831/T0600101212.PDF
Size : 306 KB
Submitted By: PAUL KING (AUTH_RP)
Submitted: 10/17/2018

Title: SUBSURFACE INVESTIGATION REPORT (C6)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2558449804/T0600101212.PDF
Size : 317 KB
Submitted By: PAUL KING (AUTH_RP)
Submitted: 10/17/2018

Title: SUBSURFACE INVESTIGATION REPORT (C8)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7558557331/T0600101212.PDF
Size : 323 KB
Submitted By: PAUL KING (AUTH_RP)
Submitted: 10/17/2018

Title: SUBSURFACE INVESTIGATION REPORT (SG5A)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2174588143/T0600101212.PDF
Size : 304 KB
Submitted By: PAUL KING (AUTH_RP)
Submitted: 10/17/2018

Title: GEO_MAP
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/5059800148/T0600101212.PDF
Size : 2,002 KB
Submitted By: PAUL KING (AUTH_RP)
Submitted: 6/7/2011

Title: SUBSURFACE INVESTIGATION REPORT (SB7 THROUGH SB13 AND SG1 THROUGH SG6) (SB13)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9511664152/T0600101212.PDF

Size : 404 KB
Submitted By: PAUL KING (AUTH_RP)
Submitted: 7/13/2009

Title: SUBSURFACE INVESTIGATION REPORT (SB7 THROUGH SB13 AND SG1 THROUGH SG6) (SB8)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7420479893/T0600101212.PDF
Size : 239 KB
Submitted By: PAUL KING (AUTH_RP)
Submitted: 7/13/2009

Title: SUBSURFACE INVESTIGATION REPORT (SB7 THROUGH SB13 AND SG1 THROUGH SG6) (SB11)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3405351936/T0600101212.PDF
Size : 245 KB
Submitted By: PAUL KING (AUTH_RP)
Submitted: 7/13/2009

Title: SUBSURFACE INVESTIGATION REPORT (SB7 THROUGH SB13 AND SG1 THROUGH SG6) (SB7)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6308737516/T0600101212.PDF
Size : 242 KB
Submitted By: PAUL KING (AUTH_RP)
Submitted: 7/13/2009

Title: SUBSURFACE INVESTIGATION REPORT (SB7 THROUGH SB13 AND SG1 THROUGH SG6) (SB10)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3983232796/T0600101212.PDF
Size : 252 KB
Submitted By: PAUL KING (AUTH_RP)
Submitted: 7/13/2009

Title: GEO_MAP
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_map/4649748861/T0600101212.PDF
Size : 2,323 KB
Submitted By: PAUL KING (AUTH_RP)
Submitted: 7/13/2009

Title: SUBSURFACE INVESTIGATION REPORT (SB7 THROUGH SB13 AND SG1 THROUGH SG6) (SB9)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8442520618/T0600101212.PDF
Size : 257 KB
Submitted By: PAUL KING (AUTH_RP)
Submitted: 7/13/2009

Title: SUBSURFACE INVESTIGATION REPORT (SB7 THROUGH SB13 AND SG1 THROUGH SG6) (SB12)
Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6597540616/T0600101212.PDF
Size : 269 KB
Submitted By: PAUL KING (AUTH_RP)
Submitted: 7/13/2009

LUST Cleanup Sites from GeoTracker Search - Documents(as of Jan 18, 2019)

Document Type: Site Documents ***Size :***
Document Date: 1/25/2019 ***Submitted By:*** MARK DETTERMAN (REGULATOR)
Type: STAFF LETTER ***Submitted:***
Title: FS/CAP AND DATA GAP WORK PLAN REQUEST
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101212&enforcement_id=6383382

Document Type: Site Documents ***Size :***
Document Date: 10/17/2018 ***Submitted By:*** MARK DETTERMAN (REGULATOR)
Type: STAFF LETTER ***Submitted:***
Title: EXTENSION APPROVAL
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101212&enforcement_id=6372601

Document Type: Site Documents ***Size :*** 23,348 KB
Document Date: 10/16/2018 ***Submitted By:*** PAUL KING (AUTH_RP)
Type: SOIL AND WATER INVESTIGATION REPORT ***Submitted:***
Title: SUBSURFACE INVESTIGATION REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8471884369/T0600101212.PDF

Document Type: Site Documents ***Size :***

Document Date: 7/17/2018 **Submitted By:** MARK DETTERMAN (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: EXTENSION APPROVAL
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101212&enforcement_id=6364044

Document Type: Site Documents **Size :**
Document Date: 7/2/2018 **Submitted By:** MARK DETTERMAN (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: CONDITIONAL WORK PLAN ADDENDUM APPROVAL
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101212&enforcement_id=6370888

Document Type: Site Documents **Size :** 3,872 KB
Document Date: 6/28/2018 **Submitted By:** PAUL KING (AUTH_RP)
Type: SOIL AND WATER INVESTIGATION WORKPLAN - ADDENDUM **Submitted:**
Title: DATA GAP INVESTIGATION WORK PLAN ADDENDUM
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8450528085/T0600101212.PDF

Document Type: Site Documents **Size :**
Document Date: 4/25/2018 **Submitted By:** MARK DETTERMAN (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: CONDITIONAL WORK PLAN APPROVAL
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101212&enforcement_id=6356052

Document Type: Site Documents **Size :**
Document Date: 4/18/2018 **Submitted By:** SUKHMANI BRAR (REGULATOR)
Type: CLEAN UP FUND - 5-YEAR REVIEW SUMMARY **Submitted:**
Title: 10290 4TH RSR RATIONALE FOR ADDITIONAL WORK APRIL 2018
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101212&document_id=5962199

Document Type: Site Documents **Size :** 21,460 KB
Document Date: 2/28/2018 **Submitted By:** PAUL KING (AUTH_RP)
Type: SOIL AND WATER INVESTIGATION WORKPLAN **Submitted:**
Title: DATA GAP INVESTIGATION WORK PLAN AND CONCEPTUAL SITE MODEL
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6268890619/T0600101212.PDF

Document Type: Monitoring Reports **Size :** 4,407 KB
Document Date: 1/22/2018 **Submitted By:** PAUL KING (AUTH_RP)
Type: MONITORING REPORT - OTHER **Submitted:**
Title: GROUNDWATER MONITORING AND SAMPLING REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1919638276/T0600101212.PDF

Document Type: Site Documents **Size :**
Document Date: 6/8/2017 **Submitted By:** MARK DETTERMAN (REGULATOR)
Type: NOTICE OF VIOLATION **Submitted:**
Title: NOTICE OF VIOLATION
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101212&enforcement_id=6322448

Document Type: Site Documents **Size :**
Document Date: 5/26/2016 **Submitted By:** MARK DETTERMAN (REGULATOR)
Type: NOTICE TO COMPLY **Submitted:**
Title: NOTICE TO COMPLY
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101212&enforcement_id=6286077

Document Type: Site Documents **Size :**
Document Date: 8/13/2014 **Submitted By:** MARK DETTERMAN (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: REQUEST FOR DATA GAP WORK PLAN AND FOCUSED SCM
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101212&enforcement_id=6217142

Document Type: Site Documents **Size :** 12,156 KB
Document Date: 12/18/2013 **Submitted By:** PAUL KING (AUTH_RP)
Type: SOIL AND WATER INVESTIGATION REPORT **Submitted:**
Title: SUBSURFACE INVESTIGATION REPORT (SB17, SB17A AND SB18-SB21)
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8844063937/T0600101212.PDF

Document Type: Site Documents **Size :** 2,794 KB
Document Date: 12/18/2013 **Submitted By:** PAUL KING (AUTH_RP)
Type: SOIL VAPOR INTRUSION INVESTIGATION REPORT **Submitted:**
Title: SUB-SLAB SOIL GAS WELL SAMPLING REPORT (OCTOBER 18, 2011 SAMPLING EVENT)
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8340340793/T0600101212.PDF

Document Type: Monitoring Reports **Size :** 2,944 KB
Document Date: 12/18/2013 **Submitted By:** PAUL KING (AUTH_RP)
Type: MONITORING REPORT - OTHER **Submitted:**
Title: GROUNDWATER MONITORING AND SAMPLING REPORT (OCTOBER 18,2011 SAMPLING EVENT)
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5700010180/T0600101212.PDF

Document Type: Site Documents **Size :**
Document Date: 11/12/2013 **Submitted By:** MARK DETTERMAN (REGULATOR)
Type: NOTICE TO COMPLY **Submitted:**
Title: NOTICE OF VIOLATION
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101212&enforcement_id=6182327

Document Type: Site Documents **Size :**
Document Date: 9/24/2012 **Submitted By:** MARK DETTERMAN (REGULATOR)
Type: NOTICE TO COMPLY **Submitted:**
Title: NOTICE TO COMPLY
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101212&enforcement_id=6138639

Document Type: Site Documents **Size :**
Document Date: 4/30/2012 **Submitted By:** PAT G. CULLEN (REGULATOR)
Type: CLEAN UP FUND - 5-YEAR REVIEW SUMMARY **Submitted:**
Title: REVISED 3RD REVIEW
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101212&document_id=5752205

Document Type: Site Documents **Size :**
Document Date: 8/15/2011 **Submitted By:** MARK DETTERMAN (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: PILOT TEST & SI WORK PLAN APPROVAL
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101212&enforcement_id=6095948

Document Type: Site Documents **Size :** 1,260 KB
Document Date: 5/2/2011 **Submitted By:** PAUL KING (AUTH_RP)
Type: SOIL AND WATER INVESTIGATION WORKPLAN **Submitted:**
Title: SUB-SURFACE INVESTIGATION WORK PLAN (SB13-SB20)
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7411116838/T0600101212.PDF

Document Type: Site Documents **Size :** 3,791 KB
Document Date: 4/25/2011 **Submitted By:** PAUL KING (AUTH_RP)
Type: INTERIM REMEDIAL ACTION PLAN **Submitted:**
Title: INTERIM REMEDIAL ACTION WORK PLAN
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6518921852/T0600101212.PDF

Document Type: Site Documents **Size :** 17,258 KB
Document Date: 4/15/2011 **Submitted By:** PAUL KING (AUTH_RP)
Type: WELL INSTALLATION REPORT **Submitted:**
Title: SUBSLAB SOIL GAS WELL CONSTRUCTION REPORT (SG7-SG10)
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5005625426/T0600101212.PDF

Document Type: Monitoring Reports **Size :** 6,976 KB
Document Date: 4/15/2011 **Submitted By:** PAUL KING (AUTH_RP)
Type: MONITORING REPORT - OTHER **Submitted:**
Title: GROUNDWATER MONITORING AND SAMPLING REPORT (FEB. 17, 2011 SAMPLING EVENT)
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5287637174/T0600101212.PDF

Document Type: Site Documents **Size :**
Document Date: 12/23/2010 **Submitted By:** MARK DETTERMAN (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: MODIFIED VI WORK PLAN APPROVAL
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101212&enforcement_id=6088781

Document Type: Site Documents **Size :** 2,356 KB
Document Date: 9/10/2010 **Submitted By:** PAUL KING (AUTH_RP)
Type: SITE INVESTIGATION WORKPLAN **Submitted:**
Title: SUB-SLAB VAPOR SAMPLING WORK PLAN (SG7-SG10)
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5745255827/T0600101212.PDF

Document Type: Site Documents **Size :**
Document Date: 7/13/2010 **Submitted By:** KIRK T. LARSON (REGULATOR)
Type: CLEAN UP FUND - 5-YEAR REVIEW SUMMARY **Submitted:**
Title: UNKNOWN
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101212&document_id=6056996

Document Type: Site Documents **Size :**
Document Date: 7/24/2009 **Submitted By:** MARK DETTERMAN (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: DIR_L_2009_07_24
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101212&enforcement_id=6024316

Document Type: Site Documents **Size :** 7,149 KB
Document Date: 7/7/2009 **Submitted By:** PAUL KING (AUTH_RP)
Type: SOIL AND WATER INVESTIGATION REPORT **Submitted:**
Title: SUBSURFACE INVESTIGATION REPORT PART 2 (SB7 THROUGH SB13 AND SG1 THROUGH SG6)
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8644842863/T0600101212.PDF

Document Type: Site Documents **Size :** 14,680 KB
Document Date: 7/7/2009 **Submitted By:** PAUL KING (AUTH_RP)
Type: SOIL AND WATER INVESTIGATION REPORT **Submitted:**
Title: SUBSURFACE INVESTIGATION REPORT PART 1 (SB7 THROUGH SB13 AND SG1 THROUGH SG6)
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1074914097/T0600101212.PDF

Document Type: Site Documents **Size :**
Document Date: 3/19/2009 **Submitted By:** KIRK T. LARSON (REGULATOR)
Type: CLEAN UP FUND - 5-YEAR REVIEW SUMMARY **Submitted:**
Title: UNKNOWN
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101212&document_id=6045864

Document Type: Site Documents **Size :**
Document Date: 1/23/2009 **Submitted By:** MYLE DANH (REGULATOR)
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER **Submitted:**
Title: DIR_L
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101212&enforcement_id=6001093

Document Type: Site Documents **Size :** 8,637 KB
Document Date: 12/16/2008 **Submitted By:** PAUL KING (AUTH_RP)
Type: SOIL AND WATER INVESTIGATION WORKPLAN **Submitted:**
Title: SUBSURFACE INVESTIGATION WORK PLAN (PART 2)
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8833221912/T0600101212.PDF

Document Type: Site Documents **Size :** 13,889 KB
Document Date: 12/16/2008 **Submitted By:** PAUL KING (AUTH_RP)
Type: SOIL AND WATER INVESTIGATION WORKPLAN **Submitted:**
Title: SUBSURFACE INVESTIGATION WORK PLAN (PART 1)
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2290588855/T0600101212.PDF

Document Type: Site Documents **Size :** 6,538 KB
Document Date: 12/15/2008 **Submitted By:** PAUL KING (AUTH_RP)
Type: OTHER REPORT / DOCUMENT **Submitted:**
Title: PREFERENTIAL PATHWAY SURVEY REPORT (PART 3)
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3054750740/T0600101212.PDF

Document Type: Site Documents **Size :** 11,601 KB
Document Date: 12/15/2008 **Submitted By:** PAUL KING (AUTH_RP)

Type: OTHER REPORT / DOCUMENT **Submitted:**
Title: PREFERENTIAL PATHWAY SURVEY REPORT (PART 1)
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5962969124/T0600101212.PDF

Document Type: Site Documents **Size :** 10,151 KB
Document Date: 12/15/2008 **Submitted By:** PAUL KING (AUTH_RP)
Type: OTHER REPORT / DOCUMENT **Submitted:**
Title: PREFERENTIAL PATHWAY SURVEY REPORT (PART 2)
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8104279041/T0600101212.PDF

Document Type: Monitoring Reports **Size :** 10,647 KB
Document Date: 12/8/2008 **Submitted By:** PAUL KING (AUTH_RP)
Type: MONITORING REPORT - OTHER **Submitted:**
Title: GROUNDWATER MONITORING & SAMPLING REPORT (JUNE 4, 2007SAMPLING EVENT)
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1330446541/T0600101212.PDF

Document Type: Site Documents **Size :** 8,016 KB
Document Date: 12/8/2008 **Submitted By:** PAUL KING (AUTH_RP)
Type: SENSITIVE RECEPTOR SURVEY REPORT **Submitted:**
Title: SENSITIVE RECEPTOR SURVEY REPORT
Title Link: http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2669405281/T0600101212.PDF

Document Type: Site Documents **Size :**
Document Date: 7/3/2008 **Submitted By:** DANIEL OLSEN (REGULATOR)
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER **Submitted:**
Title: ESI COMPLIANCE DIRECTIVE
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101212&enforcement_id=5980374

Document Type: Site Documents **Size :**
Document Date: 5/31/2007 **Submitted By:** MARK DETTERMAN (REGULATOR)
Type: CORRESPONDENCE **Submitted:**
Title: HISTORIC CORRESPONDENCE (11/15/1990 TO 5/31/2007)
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101212&document_id=5746953

Document Type: Site Documents **Size :**
Document Date: 5/30/2006 **Submitted By:** MARK DETTERMAN (REGULATOR)
Type: STAFF LETTER **Submitted:**
Title: HISTORIC DIRECTIVE LETTERS (10/26/1990 TO 5/30/2006
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101212&enforcement_id=6133409

Document Type: Site Documents **Size :**
Document Date: 8/2/2001 **Submitted By:** MARK DETTERMAN (REGULATOR)
Type: RISK ASSESSMENT REPORT **Submitted:**
Title: RISK ASSESSMENT
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101212&document_id=5746954

Document Type: Site Documents **Size :**
Document Date: 2/15/2001 **Submitted By:** MARK DETTERMAN (REGULATOR)
Type: CAP/RAP - FEASIBILITY STUDY REPORT **Submitted:**
Title: FEASIBILITY STUDY (PRELIMINARY)
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101212&document_id=5746951

Document Type: Site Documents **Size :**
Document Date: 11/10/1999 **Submitted By:** MARK DETTERMAN (REGULATOR)
Type: OTHER REPORT / DOCUMENT **Submitted:**
Title: SITE SUMMARY
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101212&document_id=5746952

Document Type: Site Documents **Size :**
Document Date: 3/31/1995 **Submitted By:** MARK DETTERMAN (REGULATOR)
Type: SOIL AND WATER INVESTIGATION REPORT **Submitted:**
Title: SITE INVESTIGATION
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101212&document_id=5746949

Document Type: Site Documents **Size :**
Document Date: 5/10/1994 **Submitted By:** MARK DETTERMAN (REGULATOR)
Type: SOIL AND WATER INVESTIGATION **Submitted:**

REPORT
Title: SITE INVESTIGATION
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101212&document_id=5746948

Document Type: Site Documents **Size :**
Document Date: 8/31/1993 **Submitted By:** MARK DETTERMAN (REGULATOR)
Type: TANK REMOVAL REPORT / UST SAMPLING REPORT **Submitted:**
Title: TANK REMOVAL REPORT
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101212&document_id=5746947

Document Type: Monitoring Reports **Size :** 317 KB
Document Date: 11/25/1992 **Submitted By:** MARK DETTERMAN (REGULATOR)
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Title: GROUNDWATER MONITORING - GWM_R_1992-11-25
Title Link: http://geotracker.waterboards.ca.gov/regulators/deliverable_documents/9851926505/GWM%5FR%5F1992%2D11%2D25%2Epdf

Document Type: Site Documents **Size :**
Document Date: 8/1/1992 **Submitted By:** MARK DETTERMAN (REGULATOR)
Type: SOIL AND WATER INVESTIGATION REPORT **Submitted:**
Title: SITE INVESTIGATION
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101212&document_id=5746950

Document Type: Site Documents **Size :**
Document Date: 6/10/1991 **Submitted By:** MARK DETTERMAN (REGULATOR)
Type: OTHER REPORT / DOCUMENT **Submitted:**
Title: SOIL DISPOSAL DOCUMENTATION
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101212&document_id=5746955

Document Type: Site Documents **Size :**
Document Date: 3/28/1991 **Submitted By:** MARK DETTERMAN (REGULATOR)
Type: TANK REMOVAL REPORT / UST SAMPLING REPORT **Submitted:**
Title: TANK REMOVAL REPORT
Title Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101212&document_id=5746946

122	1 of 1	ESE	0.57 / 3,014.74	33.77 / -4	ASCEND SITE 3709 EAST 12TH STREET OAKLAND CA 94601	ENVIROSTOR

Estor/EPA ID: 01880004 **Permit Renewal Lead:**
Site Code: 204065 **Project Manager:** KAMILI SIGLOWIDE
Nat Priority List: NO **Supervisor:** MARK MALINOWSKI
Acres: 2.7 ACRES **Public Partici Spclst:**
Special Program: **Census Tract:** 6001406100
Funding: SCHOOL DISTRICT **County:** ALAMEDA
Assembly District: 18 **Latitude:** 37.7733898468446
Senate District: 09 **Longitude:** -122.220755078711
School District: OAKLAND UNIFIED SCHOOL DISTRICT
APN: 025 069300800, 033 215900104, 033 216000100, 033 216000200, 033 216000302, 033 216000402, 033 216000502, 033 216000600, 033 216000702, 033 216001600, 033-2160-001-00
Cleanup Status: CERTIFIED AS OF 12/21/2006
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY
Site Type: SCHOOL
Office: NORTHERN CALIFORNIA SCHOOLS & SANTA SUSANA
Past Use that Caused Contam: RESIDENTIAL AREA
Potential Media Affected: SOIL
Potential Contamin of Concern:

ARSENIC, LEAD

Site History:

The 2.7-acre site consisted of Ascend Elementary School (located at 3709 East 12th Street); a restaurant; a mini-market; a portion of 38th Avenue, residences; a BART right-of-way; and a former railroad right-of-way running along the southern border of the property.

A Preliminary Environmental Assessment (PEA) was conducted in August 2002. The PEA investigated site soils and groundwater for CAM 17 metals,

polynuclear aromatic hydrocarbons, polychlorinated biphenyls, total petroleum hydrocarbons, and volatile organic compounds. The PEA report recommended a removal action to address elevated arsenic (ranging from 31 milligrams/kilogram [mg/kg] to 100 mg/kg) in site soil as deep as 10 feet below ground surface (bgs) along the southwest railroad right of way alignment. Except for arsenic in soil, no other detections in either the soil or groundwater were found at levels of concerns. The northeast portion of the site was not investigated during the August 2002 PEA due to pending sale of residences located in this area. The northeast portion of the site (also known as the Friendly Transportation Parcel between 38th and 39th Avenue - Friendly Lot 2) was investigated in April 2003. Sample results for the Friendly Lot 2 area were provided in a Technical Memorandum dated May 13, 2003. On May 28, 2003, DTSC approved the PEA with a further action determination for three quarters of the site.

On June 18, 2003, DTSC approved a removal action workplan (2003 RAW [for arsenic]) to excavate and properly dispose of approximately 550 cubic yards of arsenic-contaminated soils from the southeast and southwest portions of the site. The clean-up goal for arsenic of 14 mg/kg was based on arsenic concentrations reported in a study of background levels of typical Oakland soil published by the Lawrence Berkeley National Laboratory Environmental Restoration Program (1995), and background levels found at a local school located within three miles of the Ascend Elementary School.

During review of the September 19, 2003 Removal Action Completion Report (RACR [for arsenic]), DTSC identified a second area of contamination (with lead) that required further action. DTSC issued an interim approval of the September 19, 2003 RACR [for arsenic] with the understanding that the actions taken at the second area for lead contamination would be addressed in a final RACR that would document all removal activities at the site.

In December 2003, a post-demolition lead survey of site soils at the former residential area was conducted on the remaining quadrant (northeast corner) of the site. During the survey, lead in soil ranged from 150 mg/kg to 1,300 mg/kg as deep as two feet below ground surface. In February 2004, the District prepared a Scope of Work (SOW) to address approximately 1,600 cubic yards of lead contaminated soil. The screening value of 255 mg/kg for lead was used as the clean-up goal. The SOW was added as an addendum to the 2003 RAW [for arsenic].

Based on the identification of a second contaminant (lead), an Explanation of Significant Difference (ESD) document was filed by DTSC. The ESD explained changes to the 2003 RAW (for example: the second contaminant [lead], increased cost, additional remediation goals, increased truck loads leaving the site, etc.)

The final RACR [for both arsenic and lead removals] reported the removal and off-site disposal of arsenic impacted soil began on June 9, 2003 and was completed on June 16, 2003. Thirty-seven confirmation samples were collected and verified that the remaining soil is below the 14 mg/kg clean-up goal for arsenic. Approximately 590 cubic yards of arsenic-impacted soils were characterized as non-RCRA hazardous waste and transported to the Class ll Altamont Landfill in Livermore, California for disposal.

The final RACR also reported the removal and off-site disposal of lead contaminated soil which began March 9, 2004 and was completed on March 24, 2004. Confirmation samples were collected and lead detections ranged from 3.9 mg/kg to 18 mg/kg (well below the 255 mg/kg clean up goal for lead). Approximately 1,600 cubic yards of lead impacted soils were characterized as non-RCRA hazardous waste and transported to the Class I Chemical Waste Management in Kettleman, California for disposal.

Fill material was selected for the site from a non-industrial site and analyzed according the DTSC advisory "Information Advisory Clean Imported Fill Material" (October 2001). DTSC received a summary of the analysis for the fill material and the conclusion to use the material at the site was approved by DTSC in June 2003.

On December 21, 2006, DTSC approved the final RACR and certified that all response actions have been completed and no further removal activities are required for the site.

Status:	CERTIFIED
Program Type:	SCHOOL CLEANUP
CalEnviroScreen Score:	86-90%
Summary Link:	http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01880004

Completed Activities

Title:	Removal Action Completion Report (2) for Lead and Arsenic
Title Link:	http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01880004&doc_id=6012487
Area Name:	
Area Link:	
Sub Area:	
Sub Area Link:	
Document Type:	Removal Action Completion Report
Date Completed:	12/21/2006
Comments:	DTSC approved the RACR and certifies that all removal actions have been completed.

Title:	Removal Action Completion Report (1) for Arsenic
Title Link:	
Area Name:	
Area Link:	
Sub Area:	
Sub Area Link:	
Document Type:	Removal Action Completion Report
Date Completed:	12/21/2006

Comments: The removal action included disposal of approximately 590 cubic yards or approximately 15 truckloads of soils contaminated with soil contaminated with arsenic. A different area of lead contaminated soils was identified on site and a second Removal Action Completion Report (RACR) was required. The second RACR will summarize and address both the arsenic and lead impacted soil removals.

Title: CEQA Lead
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01880004&enforcement_id=6000121
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: CEQA - Notice of Exemption
Date Completed: 2/20/2004
Comments:

Title: Ammended VCA
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01880004&enforcement_id=6011027
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Amendment - Order/Agreement
Date Completed: 9/8/2004
Comments: HSA-A 00/01 194-A2. Ammended VCA to address additional actions for lead impacted soils.

Title: CEQA - Arsenic
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01880004&enforcement_id=6000120
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: CEQA - Notice of Exemption
Date Completed: 5/22/2003
Comments: Project scope changed for arsenic removal. Additional area of lead contamination added to project which caused an increase in the volume needed to be removed.

Title: Additional Contamination (Arsenic) Detected and Removed at the ASCEND Elementary School
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01880004&doc_id=6015575
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Fact Sheets
Date Completed: 3/1/2004
Comments: Fact Sheet was approved and distributed in the Oakland community

Title: Technical Memorandum/Scope of Work for Lead removal
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01880004&doc_id=6014216
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Other Report
Date Completed: 1/7/2004
Comments: Meeting to discuss additional work effort- the removal for soil impacted with lead from lead-based paint in the former housing area.

Title: Preliminary Endangerment Assessment Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01880004&doc_id=6000124
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Preliminary Endangerment Assessment Report
Date Completed: 5/28/2003
Comments: DTSC approved the PEA report recommending further action in the form of a Removal Action Workplan to address arsenic and benzo(a)pyrene impacted soil.

Title: Site Visit

Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Inspections/Visit (Non LUR)
Date Completed: 1/13/2003
Comments:

Title: Environmental Oversight Agreement
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01880004&enforcement_id=6000122
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Environmental Oversight Agreement
Date Completed: 3/16/2001
Comments: DTSC entered into an Environmental Oversight Agreement (Docket Number HSA-A 00/01-194) with Oakland Unified School District to provide oversight for a Preliminary Endangerment Assessment for the proposed Dewey School Expansion Site.

Title: Community Meeting
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Inspections/Visit (Non LUR)
Date Completed: 3/20/2004
Comments:

Title: Removal Action Workplan
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01880004&doc_id=6000129
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Removal Action Workplan
Date Completed: 12/23/2003
Comments: On 12/23/03, DTSC issued a final RAW approval based on resolution of the conditional approval issued on June 18, 2003 and the inclusion of 0.3 acre parcel investigated and reported in a Technical Memorandum dated May 13, 2003. The 0.3 acres was not available during the PEA. The parcel is a portion of a railroad right-of-way and is also contaminated with elevated arsenic.

Title: Site Visit for PEA investiagtion oversight
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Inspections/Visit (Non LUR)
Date Completed: 4/18/2001
Comments: Field Oversight of PEA sampling

Title: PEA Tech Memo Report for 0.3-acre Friendly Lot 2 (May 13, 2003)
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01880004&doc_id=6014200
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Preliminary Endangerment Assessment Report
Date Completed: 12/23/2003
Comments: DTSC approved the Tech Memo with the recommendation that arsenic impacted soils will be addressed in the Removal Action Workplan.

Title: Voluntary Clean-up Agreement
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01880004&enforcement_id=6000134
Area Name:
Area Link:

Sub Area:
Sub Area Link:
Document Type: Voluntary Cleanup Agreement
Date Completed: 4/7/2003
Comments: DTSC entered into a Voluntary Cleanup Agreement (VCA) (Docket Number HSA-A 00/01-194-A) with the Oakland Unified School District (Proponent). The purpose of this VCA is for the Proponent to complete a Removal Action Workplan (RAW) for lead impacted soils, and conduct a removal action, under the oversight of DTSC in an effort to satisfy DTSC's requirements, such that a No Further Remediation and Site Certification, regarding the Ascend Site (aka Dewey School Expansion), may be obtained from DTSC.

Title: Arsenic RAW Fact Sheet
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01880004&doc_id=6015893
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Fact Sheets
Date Completed: 1/13/2003
Comments: Arsenic RAW Fact Sheet

Title: Certification package
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01880004&enforcement_id=6010552
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Certification
Date Completed: 2/15/2007
Comments: Certication was signed 2/15/07

Title: PEA Workplan for Ascend Elementary School
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01880004&doc_id=6014199
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Preliminary Endangerment Assessment Workplan
Date Completed: 4/18/2001
Comments: DTSC approved the workplan submittal with modifications listed in the letter.

Title: Limited Phase 1 Environmental Assessment
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01880004&doc_id=6015292
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Phase 1
Date Completed: 2/16/2001
Comments: DTSC completed review of the Phase I and determined a Preliminary Environmental Assessment is required.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
123	1 of 1	NW	0.65 / 3,419.37	14.51 / -23	URBAN PROMISE ACADEMY SITE 2200-2288 EAST 12TH STREET/23RD AVENUE OAKLAND CA 94606	ENVIROSTOR

Estor/EPA ID:	01760047	**Permit Renewal Lead:**	
Site Code:	204110	**Project Manager:**	
Nat Priority List:	NO	**Supervisor:**	JUAN KOPONEN
Acres:	3.8 ACRES	**Public Partici Spclst:**	
Special Program:	EPA - TARGET SITE INVESTIGATION	**Census Tract:**	6001406000
Funding:	SCHOOL DISTRICT	**County:**	ALAMEDA
Assembly District:	18	**Latitude:**	37.783606421241
Senate District:	09	**Longitude:**	-122.237511240896

School District: OAKLAND UNIFIED SCHOOL DISTRICT
APN: NONE SPECIFIED
Cleanup Status: INACTIVE - ACTION REQUIRED AS OF 5/12/2004
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY
Site Type: SCHOOL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Office: NORTHERN CALIFORNIA SCHOOLS & SANTA SUSANA
Past Use that Caused Contam: MISCELLANEOUS REPAIR SERVICES
Potential Media Affected: SOIL
Potential Contamin of Concern:

UNDER INVESTIGATION

Site History:

The Site has been developed since 1903. Previous land uses include a laundry, a printing room, a lumberyard, a machine shop, a furniture shop, a used car lot, a sheet metal shop, and a car and truck rental facility. Current land uses include a gasoline service station, numerous auto repair facilities, a roofing company, a construction supply company, several retail stores, distribution companies and restaurants. A tidal canal is shown to the west and southwest of the Site. A Preliminary Environmenatl Assessment Report identified the need for further action and clean-up of the project site. The District dropped the site from further consideration in February 2004.

Status: INACTIVE - ACTION REQUIRED
Program Type: SCHOOL CLEANUP
CalEnviroScreen Score: 86-90%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01760047

Completed Activities

Title: PEA Workplan
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01760047&doc_id=6000092
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Preliminary Endangerment Assessment Workplan
Date Completed: 6/6/2003
Comments:

Title: Site Visit - Site Inspections/visit
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Inspections/Visit (Non LUR)
Date Completed: 2/17/2004
Comments:

Title: Preliminary Endangerment Assessment Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01760047&doc_id=6000089
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Preliminary Endangerment Assessment Report
Date Completed: 9/19/2003
Comments:

Title: Phase 1
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Phase 1
Date Completed: 2/5/2003
Comments:

124	1 of 1	SE	0.65 / 3,444.71	25.41 / -12	OAKLAND 5 3927 WATTLING STREET OAKLAND CA 94601	ENVIROSTOR

Estor/EPA ID:	60002570	***Permit Renewal Lead:***	
Site Code:	202163	***Project Manager:***	SAGAR BHATT
Nat Priority List:	NO	***Supervisor:***	MARK PIROS
Acres:	1.5 ACRES	***Public Partici Spclst:***	
Special Program:	VOLUNTARY CLEANUP PROGRAM	***Census Tract:***	6001406100
Funding:	SITE PROPONENT	***County:***	ALAMEDA
Assembly District:	, 18	***Latitude:***	37.7710594160503
Senate District:	, 09	***Longitude:***	-122.221128806746
School District:			

APN: 033 217000300
Cleanup Status: ACTIVE AS OF 10/20/2017
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY
Site Type: VOLUNTARY CLEANUP
Office: CLEANUP BERKELEY
Past Use that Caused Contam: MANUFACTURING - LUMBER/WOOD PRODUCTS, RETAIL, VEHICLE MAINTENANCE
Potential Media Affected: SOIL
Potential Contamin of Concern:

ARSENIC, LEAD, TPH-MOTOR OIL, TPH-DIESEL

Site History:

The Site is approximately 1.5 acres in size, and consists of a storage yard in a mixed-use area of Oakland, California. There is some residential use land and homes adjacent to the Site with commercial and light industrial usage near the Site. The Site is located adjacent to railroad tracks and in the vicinity of the 880 Freeway towards the south-west boundary of the property.

It was historically used as a lumber yard from the 1950s until 1961. The Site was then used as a truck maintenance and sales yard from 1966 through 1992. There are currently no permanent structures located on the Site, but there is a trailer mounted office and shipping containers being used for storage located all over the Site.

Lead and arsenic have been detected in shallow soil above both background levels and residential usage levels throughout the Site from historical usage. Shallow soil excavation is planned to remove impacted soils to meet unrestricted usage levels prior to redevelopment for new housing.

sb 11/26/2018

Status: ACTIVE
Program Type: VOLUNTARY CLEANUP
CalEnviroScreen Score: 86-90%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=60002570

Future Activities

Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Removal Action Completion Report
Due Date: 2020

Completed Activities

Title: Public Notice
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002570&doc_id=60440869
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Public Notice
Date Completed: 8/17/2018
Comments: DTSC had a public notice published in the Alameda Times Star that announced the public comment period on the draft Removal Action Workplan, from August 17 to September 17, 2018.

Title: Voluntary Cleanup Agreement
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002570&enforcement_id=60437337
Area Name:
Area Link:

Sub Area:
Sub Area Link:
Document Type: Voluntary Cleanup Agreement
Date Completed: 12/18/2017
Comments: Voluntary Cleanup Agreement signed between DTSC and Oakland 5 Inv, LLC on December 18, 2017 for DTSC oversight of investigative and removal activities to address lead- and arsenic-impacted soil.

Title: Community Profile
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002570&doc_id=60440867
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Community Profile
Date Completed: 8/28/2018
Comments: The Community Profile describes the community and potential community concerns regarding the possible health risks associated with the Site, and anticipated public participation activities to take place at the Site.

Title: Removal Action Workplan
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002570&doc_id=60440865
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Removal Action Workplan
Date Completed: 10/5/2018
Comments: DTSC released the Draft Removal Action Workplan (RAW) for public review and comment from August 17 to September 17, 2018. Only one comment was received during the public review and comment period, and DTSC prepared a responsiveness summary which includes a response to this comment. A California Environmental Quality Act Notice of Exemption was prepared for this project. The remedy selected in the RAW consists of excavating approximately 2,100 cubic yards of metals-impacted soil from select locations at the Site, and disposing the excavated soil at an off-site permitted facility. Cleanup levels have been established to allow for unrestricted future residential usage. Soil confirmation sampling will occur after excavation to verify residential cleanup levels have been achieved. The excavated areas will be backfilled with approximately the same amount of imported clean materials.

Title: Community Update
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002570&doc_id=60444853
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Fact Sheets
Date Completed: 8/17/2018
Comments: A Community Update was mailed out to announce that DTSC was making the draft Removal Action Workplan available for public review and comment. The Community Update gives a brief history of the Site and a summary of the proposed removal action alternative and next steps, as well as DTSC staff contact information.

Title: Phase II Environmental Site Assessment
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002570&doc_id=60437153
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Characterization Report
Date Completed: 10/23/2017
Comments: Stantec Consulting Services Inc. (Stantec) performed a Phase II Environmental Site Assessment for the Site in order to evaluate the extent and presence of total petroleum hydrocarbons, metals, and volatile organic compounds. Arsenic was found at concentrations ranging from 2.95 milligrams per kilogram (mg/kg) to 43.2 mg/kg in soil, and lead was found at concentrations between 6.85 mg/kg and 336 mg/kg in soil. Stantec indicated in the Phase II Environmental Site Assessment Report that soil impacts are limited to approximately 2 feet in depth, and provided an estimate for how much soil containing lead and arsenic should be excavated from the Site. Stantec also recommended seeking regulatory oversight from DTSC for remediation and excavation of impacted soils. The investigation was performed and the report was prepared before City Ventures submitted an application requesting agency oversight. Stantec later performed an Additional Phase II Environmental Site Assessment to further delineate the extent of impacted soils prior to requesting agency oversight.

Title: Additional Phase II Environmental Site Assessment
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002570&doc_id=60437077
Area Name:

Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Characterization Report
Date Completed: 10/13/2017
Comments: Stantec Consulting Services Inc. (Stantec) performed an Additional Phase II Environmental Site Assessment for the Site in order to evaluate the extent and presence of total petroleum hydrocarbons, metals, and volatile organic compounds. Arsenic was found at concentrations ranging from 2.2 milligrams per kilogram (mg/kg) to 79.5 mg/kg in soil, and lead was found at concentrations between 5.63 mg/kg and 336 mg/kg in soil. Stantec indicated in the Additional Phase II Environmental Site Assessment Report that soil impacts are limited to approximately 2 feet in depth, and provides an estimate for how much soil containing lead and arsenic should be excavated from the Site. The investigation was performed and the report was prepared before City Ventures submitted an application requesting agency oversight.

Title: CEQA Notice of Exemption
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002570&enforcement_id=60442961
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: CEQA - Notice of Exemption
Date Completed: 10/5/2018
Comments:

Title: Annual Oversight Cost Estimate FY 18/19
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002570&enforcement_id=60449211
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 9/28/2018
Comments: Annual DTSC oversight cost estimate letter to City Ventures for fiscal year 2018/2019 (July 1, 2018 - June 30, 2019).

Title: Phase I Environmental Site Assessment
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002570&doc_id=60437149
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Phase 1
Date Completed: 10/23/2017
Comments: Stantec Consulting Services Inc. (Stantec) performed a Phase I Environmental Site Assessment (ESA) as part of a due diligence prior to City Ventures purchasing the property and prior to submittal of an application requesting agency oversight. Stantec summarized the Site history and reviewed all relevant files and documents to determine the condition of the Site.

Stantec concluded that additional soil and soil vapor sampling would be required to determine whether the historical usages at the Site resulted in releases of hazardous materials including volatile organic compounds and petroleum hydrocarbons.

The Stantec Phase I ESA contains Photographs of the Property and the surroundings, a previous Phase I ESA performed in 2000 by RGA Environmental Inc as Appendix B, Environmental Agency Database reports as Appendix C, and agency records as well as user provided records and interview forms.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
125	1 of 2	NW	0.69 / 3,630.82	16.63 / -21	LIFE ACADEMY HIGH SCHOOL 2111 INTERNATIONAL BOULEVARD OAKLAND CA 94606	ENVIROSTOR

Estor/EPA ID:	60001178	**Permit Renewal Lead:**	
Site Code:	204236	**Project Manager:**	HAROLD (BUD) DUKE
Nat Priority List:	NO	**Supervisor:**	JUAN KOPONEN
Acres:	0.8 ACRES	**Public Partici Spclst:**	
Special Program:		**Census Tract:**	6001406000
Funding:	SCHOOL DISTRICT	**County:**	ALAMEDA
Assembly District:	18	**Latitude:**	37.784648
Senate District:	09	**Longitude:**	-122.238637

School District: OAKLAND UNIFIED SCHOOL DISTRICT
APN: 20-108-1
Cleanup Status: NO FURTHER ACTION AS OF 8/15/2011
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY
Site Type: SCHOOL
Office: NORTHERN CALIFORNIA SCHOOLS & SANTA SUSANA
Past Use that Caused Contam: SCHOOL - HIGH SCHOOL, SCHOOL - OTHER
Potential Media Affected: SOIL
Potential Contamin of Concern:

ASBESTOS CONTAINING MATERIALS (ACM), LEAD, PETROLEUM, POLYCHLORINATED BIPHENYLS (PCBS), VOLATILE ORGANICS (8260B VOCS)

Site History:

The Site is an approximate rectangular parcel that occupies approximately one acre. The Site was occupied by residential properties from prior to 1903 until at least 1911. A second hand material supplier occupied the site from an unknown time until the mid 1950's. The American Red Cross Oakland Chapter occupied the site from 1964 until prior to 2000. The site was occupied by the Adult Education & Technology Center in 2000. The Life Academy High School occupied the site from 2001 to 2008, and has been occupied by Oakland Unified School District administrative offices from 2008 to the present.

The Phase I (submitted as a background document) concluded that a PEA was required to assess potential impacts to the site associated with the former second hand material supplier (organochlorine pesticides [OCPs], lead-based paint [LBP], metals, and petroleum compounds), existing structures (LBP), a former auto facility (petroleum compounds, volatile organic compounds [VOCs], and metals), a floor drain/sump (petroleum compounds, VOCs and metals), a transformer (polychlorinated bi-phenyls), and the potential for vapor intrusion of VOCs from nearby automotive service stations.

A PEA Workplan was approved by DTSC on February 16, 2010. The objectives of the Workplan were to assess OCP, LBP, metals and petroleum compound impacts to site soils, petroleum compounds, VOC and metals impacts to site groundwater, and petroleum compounds and VOC impacts to site soil gas. The PEA Report indicated the only areas of concern requiring further action were two locations with elevated concentrations of lead in soil.

A Supplemental Site Investigation Work Plan to complete characterization of the areas with elevated levels of lead was approved by DTSC on February 8, 2011. The SSI fieldwork was conducted between February 21 and 24, 2011. After disposal of the investigation-derived waste generated from the additional SSI soil sampling, the 95% Upper Confidence Limit (UCL) indicates that residual levels of lead in soils at the site are below DTSC's health risk screening level of 80 mg/kg. Consequently, the SSI report concluded that no further action should be required for the site. DTSC approved the site as needing no further action in it's determination letter dated June 6, 2011.

On August 15, 2011, DTSC reviewed EnviroStor to ensure it's completeness and issued a memo to DTSC's Cost Recovery Unit to close the project billing.

Status: NO FURTHER ACTION
Program Type: SCHOOL EVALUATION
CalEnviroScreen Score: 86-90%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=60001178

<u>Completed Activities</u>

Title: Supplemental Site Investigation Workplan
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001178&doc_id=60259089
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Supplemental Site Investigation Workplan
Date Completed: 2/8/2011
Comments: DTSC issued letter approving the SSI Work Plan.

Title: PEA Workplan
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001178&doc_id=6028781
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Preliminary Endangerment Assessment Workplan
Date Completed: 2/16/2010
Comments: DTSC issued PEA Workplan approval letter.

Title: EOA

Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001178&enforcement_id=6017467
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Environmental Oversight Agreement
Date Completed: 12/2/2009
Comments: DTSC approved the fully executed EOA Agreement

Title: Supplemental Site Investigation Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001178&doc_id=60262262
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Supplemental Site Investigation Report
Date Completed: 6/2/2011
Comments: DTSC approved the SSI Rpt, and made a determination of no further action required.

Title: PEA Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001178&doc_id=60188909
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Preliminary Endangerment Assessment Report
Date Completed: 8/17/2010
Comments: DTSC approved the PEA report with a further action determination

Title: EOA Application
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001178&doc_id=6028890
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Environmental Oversight Agreement Application
Date Completed: 10/14/2009
Comments:

125	2 of 2	NW	0.69 / 3,630.82	16.63 / -21	LIFE ACADEMY HIGH SCHOOL 2111 INTERNATIONAL BOULEVARD OAKLAND CA 94606	SCH

Estor/EPA ID:	60001178	**Permit Renewal Lead:**	
Site Code:	204236	**Project Manager:**	HAROLD (BUD) DUKE
Nat Priority List:	NO	**Supervisor:**	JUAN KOPONEN
Acres:	0.8 ACRES	**Public Partici Spclst:**	
Special Program:		**Census Tract:**	6001406000
Funding:	SCHOOL DISTRICT	**County:**	ALAMEDA
Assembly District:	18	**Latitude:**	37.784648
Senate District:	09	**Longitude:**	-122.238637

School District: OAKLAND UNIFIED SCHOOL DISTRICT
APN: 20-108-1
Cleanup Status: NO FURTHER ACTION AS OF 8/15/2011
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY
Site Type: SCHOOL
Office: NORTHERN CALIFORNIA SCHOOLS & SANTA SUSANA
Past Use that Caused Contam: SCHOOL - HIGH SCHOOL, SCHOOL - OTHER
Potential Media Affected: SOIL
Potential Contamin of Concern:

ASBESTOS CONTAINING MATERIALS (ACM), LEAD, PETROLEUM, POLYCHLORINATED BIPHENYLS (PCBS), VOLATILE ORGANICS (8260B VOCS)

SITE HISTORY:

The Site is an approximate rectangular parcel that occupies approximately one acre. The Site was occupied by residential properties from prior to 1903

until at least 1911. A second hand material supplier occupied the site from an unknown time until the mid 1950's. The American Red Cross Oakland Chapter occupied the site from 1964 until prior to 2000. The site was occupied by the Adult Education & Technology Center in 2000. The Life Academy High School occupied the site from 2001 to 2008, and has been occupied by Oakland Unified School District administrative offices from 2008 to the present.

The Phase I (submitted as a background document) concluded that a PEA was required to assess potential impacts to the site associated with the former second hand material supplier (organochlorine pesticides [OCPs], lead-based paint [LBP], metals, and petroleum compounds), existing structures (LBP), a former auto facility (petroleum compounds, volatile organic compounds [VOCs], and metals), a floor drain/sump (petroleum compounds, VOCs and metals), a transformer (polychlorinated bi-phenyls), and the potential for vapor intrusion of VOCs from nearby automotive service stations.

A PEA Workplan was approved by DTSC on February 16, 2010. The objectives of the Workplan were to assess OCP, LBP, metals and petroleum compound impacts to site soils, petroleum compounds, VOC and metals impacts to site groundwater, and petroleum compounds and VOC impacts to site soil gas. The PEA Report indicated the only areas of concern requiring further action were two locations with elevated concentrations of lead in soil.

A Supplemental Site Investigation Work Plan to complete characterization of the areas with elevated levels of lead was approved by DTSC on February 8, 2011. The SSI fieldwork was conducted between February 21 and 24, 2011. After disposal of the investigation-derived waste generated from the additional SSI soil sampling, the 95% Upper Confidence Limit (UCL) indicates that residual levels of lead in soils at the site are below DTSC's health risk screening level of 80 mg/kg. Consequently, the SSI report concluded that no further action should be required for the site. DTSC approved the site as needing no further action in it's determination letter dated June 6, 2011.

On August 15, 2011, DTSC reviewed EnviroStor to ensure it's completeness and issued a memo to DTSC's Cost Recovery Unit to close the project billing.

Status: NO FURTHER ACTION
Program Type: SCHOOL EVALUATION
CalEnviroScreen Score: 86-90%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=60001178

Completed Activities

Title: Supplemental Site Investigation Workplan
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001178&doc_id=60259089
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Supplemental Site Investigation Workplan
Date Completed: 2/8/2011
Comments: DTSC issued letter approving the SSI Work Plan.

Title: PEA Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001178&doc_id=60188909
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Preliminary Endangerment Assessment Report
Date Completed: 8/17/2010
Comments: DTSC approved the PEA report with a further action determination

Title: EOA Application
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001178&doc_id=6028890
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Environmental Oversight Agreement Application
Date Completed: 10/14/2009
Comments:

Title: PEA Workplan
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001178&doc_id=6028781
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Preliminary Endangerment Assessment Workplan

Date Completed: 2/16/2010
Comments: DTSC issued PEA Workplan approval letter.

Title: Supplemental Site Investigation Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001178&doc_id=60262262
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Supplemental Site Investigation Report
Date Completed: 6/2/2011
Comments: DTSC approved the SSI Rpt, and made a determination of no further action required.

Title: EOA
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001178&enforcement_id=6017467
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Environmental Oversight Agreement
Date Completed: 12/2/2009
Comments: DTSC approved the fully executed EOA Agreement

126	1 of 1	SW	0.70 / 3,718.97	14.99 / -23	COLLINS PROPERTY 2235 CLEMENT AVENUE ALAMEDA CA 94501	ENVIROSTOR

Estor/EPA ID:	01390007	**Permit Renewal Lead:**	
Site Code:	201542	**Project Manager:**	
Nat Priority List:	NO	**Supervisor:**	DENISE TSUJI
Acres:	6.8 ACRES	**Public Partici Spclst:**	
Special Program:	VOLUNTARY CLEANUP PROGRAM	**Census Tract:**	6001427200
Funding:	SITE PROPONENT	**County:**	ALAMEDA
Assembly District:	18	**Latitude:**	37.7718098564758
Senate District:	09	**Longitude:**	-122.240329020335
School District:			

APN: 071-0290-002-00, 71-290-1
Cleanup Status: CERTIFIED AS OF 3/15/2007
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY
Site Type: VOLUNTARY CLEANUP
Office: CLEANUP BERKELEY
Past Use that Caused Contam: MACHINE SHOP, MANUFACTURING - METAL, SHIPYARD - SHIP BUILDING/REPAIR
Potential Media Affected: SOIL
Potential Contamin of Concern:

ARSENIC, LEAD, POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS), TPH-DIESEL

Site History:

Historical aerial photographs of the site indicate the property has been occupied as early as 1934. Photographs depict several buildings, above ground tanks and railroad spurs onsite. Various businesses have operated onsite. These businesses include marine vessel construction, a plating shop, a scavenger/recycle/milling/grinding operation, and sheet metal storage, cutting and fabricating business. Acids, metals, solvents, degreasers, paints, waste oil and other petroleum based products have been used at the property.

Status: CERTIFIED
Program Type: VOLUNTARY CLEANUP
CalEnviroScreen Score: 66-70%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01390007

Completed Activities

Title: Notice of Exemption
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01390007&enforcement_id=6008484
Area Name:
Area Link:
Sub Area:

Sub Area Link:
Document Type: CEQA - Notice of Exemption
Date Completed: 4/26/2006
Comments: NOE sign off.

Title: Certification
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01390007&enforcement_id=6008126
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Certification
Date Completed: 3/15/2007
Comments: Site remediated to unrestricted standards.

Title: Additional Investigation Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01390007&doc_id=60264742
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Remedial Investigation Report
Date Completed: 1/18/2002
Comments: Phase 1 and Phase 2 investigations performed by consultant (LFR) for prospective developer. This report was not reviewed or approved by any regulatory agency. However the data was utilized in the removal action workplan.

Title: Soil and Groundwater Quality Investigation
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01390007&doc_id=60264736
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Characterization Report
Date Completed: 1/12/1999
Comments: Limited soil and grounwater quality investigation prepared by consultant for a prospective developer of the site. This report was not reviewed or approved by a regulatory agency.

Title: Removal Action Completion Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01390007&doc_id=6009356
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Removal Action Completion Report
Date Completed: 3/15/2007
Comments: The property owner excavated and disposed off-site all contamination above unrestricted levels.

Title: Fact Sheet
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01390007&doc_id=6009359
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Fact Sheets
Date Completed: 2/17/2006
Comments: Fact sheet finalized and scheduled to be mailed out 2/18/2006. Public comment period from 2/22/20006 to 3/24/2006.

Title: Community Profile
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01390007&doc_id=6009363
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Community Profile
Date Completed: 2/9/2006
Comments: Community Profile approved by Public Participation.

Title: Fieldwork

Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 10/12/2006
Comments: Backfilling completed.

Title: Removal Action Workplan
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01390007&doc_id=6009354
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Removal Action Workplan
Date Completed: 4/28/2006
Comments: Final remedy approved requiring removal of all contaminated soils above unrestricted levels.

Title: Public Notice
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01390007&doc_id=6009362
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Public Notice
Date Completed: 2/17/2006
Comments: Public notice finalized. Notice will be published in the Alameda Times Star on 2/22/2006.

Title: VCA
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01390007&enforcement_id=5015650
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Voluntary Cleanup Agreement
Date Completed: 3/29/2004
Comments: VCA signed.

127	1 of 1	SE	0.73 / 3,855.77	18.14 / -20	AMERICAN NATIONAL CAN CO 3801 E 8TH ST OAKLAND CA 946040000	HWP

Estor/EPA ID: CAD009162116
Site Code:
Nat Priority List:
Acres:
Special Program:
Funding:
Assembly District: 18
Senate District: 09
School District:
APN:
Cleanup Status:
Cleanup Oversight Agencies:
Site Type: CLOSED- PERMIT AUTHORITY: RCRA
Office:
Past Use that Caused Contam:
Potential Media Affected:
Potential Contamin of Concern:

Permit Renewal Lead:
Project Manager:
Supervisor:
Public Partici Spclst:
Census Tract:
County: ALAMEDA
Latitude: 37.769142
Longitude: -122.221716

Site History:

NO FACILITY HISTORY HAS BEEN ENTERED FOR THIS SITE

Status: CLOSED
Program Type: HAZ WASTE - RCRA

CalEnviroScreen Score: 86-90%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/hwmp_profile_report?global_id=CAD009162116

Permit Units - Completed Activities

Unit: CONTAIN1
Event Description: NEW OPERATING PERMIT - FINAL PERMIT (EXPIRES)
Date: 3/13/1989
Doc Link:

Unit: CONTAIN1
Event Description: NEW OPERATING PERMIT - TECHNICAL COMPLETE LETTER
Date: 10/25/1983
Doc Link:

Unit: CONTAIN1
Event Description: NEW OPERATING PERMIT - PUBLIC COMMENT (BEGIN)
Date: 8/12/1983
Doc Link:

Unit: CONTAIN1
Event Description: NEW OPERATING PERMIT - APPLICATION PART A RECEIVED
Date: 11/1/1986
Doc Link:

Unit: CONTAIN1
Event Description: NEW OPERATING PERMIT - FINAL PERMIT (EFFECTIVE)
Date: 3/13/1984
Doc Link:

Unit: CONTAIN1
Event Description: NEW OPERATING PERMIT - FINAL PERMIT
Date: 3/13/1984
Doc Link:

Unit: CONTAIN1
Event Description: NEW OPERATING PERMIT - APPLICATION PART B RECEIVED
Date: 3/30/1983
Doc Link:

Units Undergoing Closure

Unit: CONTAIN1
Event Description: CLOSURE FINAL - RECEIVE CLOSURE CERTIFICATION
Date: 12/8/1995
Doc Link:

Unit: CONTAIN1
Event Description: CLOSURE FINAL - ISSUE CLOSURE VERIFICATION
Date: 1/29/1996
Doc Link:

128	1 of 2	WSW	0.73 / 3,862.36	14.74 / -23	FORMER J. H. BAXTER FACILITY, ALAMEDA 2189, 2199, 2201, 2229 CLEMENT AVENUE ALAMEDA CA 94501	ENVIROSTOR

Estor/EPA ID:	01240036	**Permit Renewal Lead:**	
Site Code:	202134	**Project Manager:**	ELIZABETH CHUNG-HUYNH
Nat Priority List:	NO	**Supervisor:**	JANET NAITO
Acres:	12.3 ACRES	**Public Partici Spclst:**	
Special Program:		**Census Tract:**	6001427200
Funding:	RESPONSIBLE PARTY	**County:**	ALAMEDA
Assembly District:	18	**Latitude:**	37.7737248398034
Senate District:	09	**Longitude:**	-122.24217221923

School District:
APN: 071 028900400, 071 028900500, 071 028900601, 071 028900703, 071-0289-004-00, 071-0289-005-00, 071-0289-007-03
Cleanup Status: ACTIVE AS OF 10/26/2005
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY
Site Type: STATE RESPONSE OR NPL
Office: CLEANUP BERKELEY
Past Use that Caused Contam: MANUFACTURING - LUMBER/WOOD PRODUCTS, UNDERGROUND STORAGE TANKS
Potential Media Affected: OTHER GROUNDWATER AFFECTED (USES OTHER THAN DRINKING WATER), SOIL
Potential Contamin of Concern:

DIOXIN (AS 2,3,7,8-TCDD TEQ), METALS, PENTACHLOROPHENOL, PETROLEUM, POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS), VOLATILE ORGANICS (8260B VOCS)

Site History:

In 2003, a dark, tarry substance was observed emanating from beneath the driveway in the north-eastern section of the site. Surface soil samples collected from the area revealed the presence of various hazardous substances at levels above regulatory screening levels.

The site was once part of large wood treatment facility operated by J. H. Baxter and Company from approximately 1924 until 1968. Baxter treated wood utilized for poles, posts, and railroad ties with coal tar derived creosote and fuel oil. Creosote and fuel were stored in above ground storage tanks. Several treatment pits and separation sumps were located on the property. Various other chemicals were stored and generated at the site.

Status: ACTIVE
Program Type: STATE RESPONSE
CalEnviroScreen Score: 66-70%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036

Currently Scheduled Activities

Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Public Notice
Due Date: 4/1/2019
Revised Date:

Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Public Notice
Due Date: 3/31/2019
Revised Date:

Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: CEQA - Notice of Exemption
Due Date: 6/12/2019
Revised Date:

Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Public Notice
Due Date: 5/18/2019
Revised Date:

Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&print

erfriendly=True
Sub Area:
Sub Area Link:
Document Type: Fact Sheets
Due Date: 3/31/2019
Revised Date:

Future Activities

Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: CEQA - Initial Study/ Environmental Impact Report
Due Date: 2019

Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Land Use Restriction
Due Date: 2020

Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Land Use Restriction
Due Date: 2019

Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Removal Action Workplan
Due Date: 2019

Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Certification
Due Date: 2020

Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Removal Action Completion Report
Due Date: 2019

Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: CEQA - Initial Study/ Neg. Declaration
Due Date: 2019

Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True

Sub Area:
Sub Area Link:
Document Type: Certification
Due Date: 2020

Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: Certification
Due Date: 2019

Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Certification
Due Date: 2020

Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Fact Sheets
Due Date: 2019

Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Operations and Maintenance Plan
Due Date: 2020

Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Removal Action Workplan
Due Date: 2019

Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Operations and Maintenance Plan
Due Date: 2019

Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Operations and Maintenance Plan
Due Date: 2019

Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Land Use Restriction
Due Date: 2020

Area Name: Fox/Collins Property

Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Remedial Action Completion Report
Due Date: 2019

Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Fact Sheets
Due Date: 2019

Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Removal Action Workplan
Due Date: 2019

Completed Activities

Title: Annual Oversight Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60273215
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 10/14/2011
Comments: annual oversight cost estimate finalized

Title: Remedial Investigation Workplan
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=6020237
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Remedial Investigation Workplan
Date Completed: 10/28/2010
Comments: DTSC has approved the Remedial Investigation Workplan. The Workplan discusses the sampling that will occur on the Extra Space property to delineate the vertical and lateral extent of contamination in soil, groundwater, and soil gas/indoor air.

Title: Annual Oversight Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60256392
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 10/12/2010
Comments: Annual DTSC oversight cost estimate for the 2010-11 fiscal year completed.

Title: Time Critical Removal Action Public Notice
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=6021201
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Public Notice

Date Completed: 10/31/2008
Comments: Public notice for the administrative record comment period approved for publication.

Title: Soil Gas Sampling Workplan
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=6012757
Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Remedial Investigation Workplan
Date Completed: 8/16/2006
Comments:

Title: Remedial Investigation Report - Phase I - 2199 Clement
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=6008629
Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Remedial Investigation Report
Date Completed: 8/11/2006
Comments: Revised Data Report approved on 8/11/2006.

Title: June 2016 Groundwater Monitoring Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=60416628
Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 12/6/2016
Comments: DTSC has approved this monitoring report. The groundwater data were generally similar to historical trends

Title: Soil Gas and Groundwater Sampling Round 1
Title Link:
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 10/1/2014
Comments: Soil gas and groundwater monitoring wells were installed and sampled at the site.

Title: Quarterly Groundwater Monitoring
Title Link:
Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 9/10/2014
Comments: Quarterly groundwater monitoring performed at the site in conjunction with Extra Space and Fox-Collins.

Title: Post-Remediation Groundwater Monitoring Workplan
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=60349404
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Well Installation Workplan
Date Completed: 7/28/2014
Comments: Workplan for post-remediation soil gas and groundwater monitoring.

Title: RAW Implementation
Title Link:
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 12/31/2013
Comments: Soil remediation work completed at the site. Approximately 10,000 cubic yards of contaminated soil was excavated and removed from the site.

Title: Annual Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60398338
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 9/30/2015
Comments: The annual cost estimate has been sent to the responsible party.

Title: Ability to Pay Evaluation
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=60310357
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Information Request Letter
Date Completed: 1/14/2013
Comments: Ability to pay evaluation letter sent to Mr. Francis Collins.

Title: Annual Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60306086
Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 10/30/2012
Comments: Annual DTSC oversight cost estimate mailed to responsible party.

Title: Draft RAW - Interim Feedback
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60440730
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: Correspondence
Date Completed: 12/21/2017
Comments: DTSC agrees that the soil has been adequately characterized and that the remedy proposed for soil, which consists of capping and institutional controls, is appropriate based on the following:

Under the current Site use, the entire Site is covered by asphalt parking, roadways and storage buildings. Soil that is potentially impacted by contamination is below this cover. Based on the current and future Site use for commercial purposes, there are no potentially complete exposure pathways for exposure to soil for the commercial worker or Site visitor (assuming the Site
cover is maintained).

DTSC cannot formally approve this remedy until the Draft RAW undergoes a 30-day public comment period (anticipated in early 2018), comments received are addressed and the Final RAW is approved.

Title: Annual Oversight Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60427224
Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True

Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 10/9/2017
Comments: Annual Oversight Cost Estimate letter with enclosures (Activity Schedule and Cost Estimate) of DTSC oversight for 2017/2018 Fiscal Year.

Title: Annual Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60383331
Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 10/14/2014
Comments: Annual cost estimate sent to responsible party.

Title: Quarterly Groundwater Monitoring Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=60395016
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 8/27/2015
Comments: The quarterly groundwater monitoring report for the site has been approved. Elevated concentrations of petroleum hydrocarbons, naphthalene, and arsenic continue to be detected in groundwater at the site.

Title: Quarterly Groundwater Monitoring Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=60251444
Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 10/24/2012
Comments: Approval of groundwater monitoring report for the Dutra property. Responsible party will be submitting a removal action workplan in the next few months.

Title: Quarterly Groundwater Monitoring
Title Link:
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 12/10/2014
Comments: Groundwater samples were collected from the monitoring wells on the site.

Title: Boatworks Redevelopment EIR Responsible Agency Review
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60196388
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: CEQA - Responsible Agency Review
Date Completed: 11/30/2010
Comments: The Notice of Determination (NOD) for the Removal Action Workplan was approved. The NOD states that the proposed cleanup activities, as analyzed in the Boatworks Residential Project Environmental Impact Report, will not have a significant effect on the environment.

Title: Time Critical Removal Action Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=6020465
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&print

erfriendly=True
Sub Area:
Sub Area Link:
Document Type: Removal Action Completion Report
Date Completed: 6/9/2010
Comments: DTSC approves TCRA report. During the time critical removal action, which occurred in the Fall of 2008, an underground storage tank and approximately 115 tons of excavated material were removed from the site.

Title: Contaminant Migration and Site Data Gaps Tech Memo
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=6020242
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: Technical Report
Date Completed: 10/9/2008
Comments: Three memorandums prepared by DTSC Geologist (John Karachewski) have been completed recommending additional investigation activities at the three operable units which comprise the former Baxter site. The memorandums will be forwarded to the various responsible parties.

Title: Consent Order
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=6012418
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Consent Order
Date Completed: 10/6/2008
Comments: DTSC signed the order on 10/6. Extra Space signed the order on 10/1. The consent order requires investigation and remediation of the property under DTSC oversight.

Title: Additional Soil Investigation Workplan
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=6015330
Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Technical Workplan
Date Completed: 5/29/2007
Comments:

Title: US EPA Preliminary Assessment
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=60287870
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Preliminary Assessment Report
Date Completed: 11/5/2003
Comments: Further action required due to elevated levels of wood treatment chemicals.

Title: Meeting minutes Februaary 11, 2019
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=60458214
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Other Report
Date Completed: 3/5/2019
Comments:

Title: Decommission of Wells Correspondences
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60456207
Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&print

erfriendly=True
Sub Area:
Sub Area Link:
Document Type: Correspondence
Date Completed: 2/8/2019
Comments:

Title: Semi-Annual Groundwater Monitoring
Title Link:
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 6/22/2018
Comments:

Title: Notification of Change in DTSC Project Manager
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60442892
Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Correspondence
Date Completed: 3/28/2018
Comments: Notification of Change in DTSC Project Manager as of April 2, 2018.

Title: Letter to Francis Collins regarding mitigation of nuisance odors
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60332309
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Correspondence
Date Completed: 8/8/2013
Comments: Letter from DTSC to Francis Collins requesting specific steps to mitigate nuisance odors from the cleanup of the Fox-Collins property.

Title: Annual Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60306087
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 10/30/2012
Comments: Annual DTSC oversight cost estimate mailed to responsible party.

Title: Remedial Investigation Interim Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=6020239
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Remedial Investigation Report
Date Completed: 10/31/2011
Comments: The Interim Report and Response to Comments proposed the installation of three sets of nested groundwater monitoring wells as part of the next phase of remedial investigation at the Site. DTSC approved this proposal.

Title: Annual Oversight Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60273216
Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True

Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 10/14/2011
Comments: annual oversight cost estimate finalized.

Title: Additional Site Characterization Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=6017852
Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Remedial Investigation Report
Date Completed: 7/3/2008
Comments: Report approved and signed.

Title: Fieldwork - 2199 Clement
Title Link:
Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 9/12/2007
Comments: Soil sampling activities completed.

Title: First Amended Imminent and Substantial Endangerment Determination Order and Remedial Action Order
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=6007944
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: Amendment - Order/Agreement
Date Completed: 7/13/2005
Comments: Order amended to change the effective date.

Title: Annual Oversight Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60427308
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 10/9/2017
Comments: Annual Oversight Cost Estimate letter with enclosures (Activity Schedule and Cost Estimate) of DTSC oversight for 2017/2018 Fiscal Year.

Title: Consent Order
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60426876
Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Consent Order
Date Completed: 9/22/2017
Comments: The California Environmental Protection Agency, Department of Toxic Substances Control (DTSC) and Halls Boatyard LLC, a California limited liability company, (Respondent) hereby enter into this Consent Order (Order), executed on September 18, 2017.

This Order applies to the property located at 2199 Clement Avenue, Alameda, California 94501, in Alameda County. The property consists of 4.7 acres and is identified by Assessor's Parcel number 071-0289-006-01.

Title: Additional Groundwater Sampling
Title Link:
Area Name: Extra Space Storage Property

Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 12/17/2015
Comments: Additional groundwater sampling was performed in the western portion of the site to address data gaps.

Title: Notification of change of PM Letter
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60455080
Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Correspondence
Date Completed: 11/30/2018
Comments:

Title: Notification of Change in DTSC Project Manager
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60442893
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Correspondence
Date Completed: 3/28/2018
Comments: Notification of Change in DTSC Project Manager as of April 2, 2018.

Title: Notification of Change in DTSC Project Manager
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60442894
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Correspondence
Date Completed: 3/28/2018
Comments: Notification of Change in DTSC Project Manager as of April 2, 2018.

Title: Annual Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60413840
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 9/30/2016
Comments: DTSC's annual oversight cost estimate was sent to the property owner.

Title: Post-Remediation Soil Gas Sampling Workplan
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=60251328
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Site Characterization Workplan
Date Completed: 7/28/2014
Comments: Workplan for post-remediation soil gas and groundwater monitoring.

Title: Final Determination of Non Compliance with Order
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60306285
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:

Sub Area Link:
Document Type: Final Determination of Non-Compliance
Date Completed: 10/9/2012
Comments: Final determination of non compliance with the consent order issued to property owner for refusal to implement the Removal Action Workplan at the site.

Title: Proposed Determination Of Non-Compliance
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60303794
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Proposed Determination of non-compliance
Date Completed: 7/30/2012
Comments:

Title: Quarterly Groundwater Monitoring
Title Link:
Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 6/16/2015
Comments: Quarterly groundwater monitoring was performed on the Dutra property.

Title: Removal Action Workplan - 2229 Clement
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=6008634
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Removal Action Workplan
Date Completed: 11/30/2010
Comments: DTSC has approved the Removal Action Workplan dated November 30, 2010 for the Fox-Collins property. The recommended cleanup action detailed in the RAW includes excavation of 8,500 cubic yards of contaminated soil and replacing it with 8,700 cubic yards of clean soil. Excavated soil would be taken away to an appropriate licensed landfill. Groundwater and undissolved liquids would be removed from the excavations, and taken to a recycling facility.

Title: Annual Oversight Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60255748
Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 9/29/2010
Comments: Annual oversight cost estimate for fiscal year 2010-11 sent to the responsible party.

Title: Public Notice for the Fox/Collins Property Draft RAW
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=6008231
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Public Notice
Date Completed: 7/12/2010
Comments: The public notice has been finalized for the RAW public comment period. We are currently deciding the dates for the comment period.

Title: Annual Oversight Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=6017565
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&print

erfriendly=True
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 9/15/2009
Comments: Annual Cost Estimate for the Fox/Collins Property

Title: Time Critical Removal Action
Title Link:
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 11/21/2008
Comments: Fieldwork for time critical removal action completed. An underground storage tank (UST) containing fuel oil was discovered and removed during the removal action. Contaminated soil surrounding the UST was also removed. Following removal of the UST and soil contamination, the excavation was backfilled and restored.

Title: Soil Gas Sampling
Title Link:
Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 10/5/2006
Comments: Soil gas sampling completed.

Title: Notification of Change in DTSC Project Manager
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60442895
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: Correspondence
Date Completed: 3/28/2018
Comments: Notification of Change in DTSC Project Manager as of April 2, 2018.

Title: Quarterly Groundwater Monitoring
Title Link:
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 9/10/2014
Comments: Quarterly groundwater monitoring performed at the site in conjunction with Dutra and Fox-Collins.

Title: Additional Soil Excavation
Title Link:
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 11/20/2015
Comments: Soil contaminated with naphthalene was excavated from the area around vapor probe VP-3. The area was backfilled with clean soil and the vapor probe was reinstalled.

Title: Annual Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60398339
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True

Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 9/30/2015
Comments: The annual cost estimate was sent to the responsible party.

Title: Supplemental Site Characterization
Title Link:
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True

Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 12/1/2012
Comments: Extra Space Storage installed and sampled four additional shallow monitoring wells and one deep monitoring well at the site.

Title: Groundwater Monitoring Report and Supplemental Site Characterization Workplan
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=60305732
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True

Sub Area:
Sub Area Link:
Document Type: Site Characterization Workplan
Date Completed: 11/27/2012
Comments: DTSC has approved the workplan to install and sample four additional shallow wells and one deep well on the Extra Space property.

Title: Workplan for Additional Groundwater Monitoring Well Installation
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=60393675
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True

Sub Area:
Sub Area Link:
Document Type: Well Installation Workplan
Date Completed: 7/13/2015
Comments: DTSC has approved this workplan. The property owner will install two new groundwater monitoring wells at the site. One well will be installed in the Merritt Sand, and the other in shallow groundwater.

Title: Soil Gas and Groundwater Monitoring Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=60383227
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True

Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 6/15/2015
Comments: DTSC has approved the report documenting the results of post-remediation soil gas and groundwater sampling that was performed on the Fox-Collins property. Elevated concentrations of naphthalene and petroleum hydrocarbons remain in soil gas and groundwater at the site.

Title: Annual Oversight Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60273217
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True

Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 10/14/2011
Comments: annual oversight cost estimate finalized.

Title: Fact Sheet for the Fox/Collins Property Draft RAW
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=6008229
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&print

erfriendly=True
Sub Area:
Sub Area Link:
Document Type: Fact Sheets
Date Completed: 7/12/2010
Comments: The fact sheet is completed for the RAW public comment period. We are currently deciding the dates for the comment period.

Title: Supplemental Site Investigation Workplan
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=6020571
Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Site Characterization Workplan
Date Completed: 10/30/2009
Comments: Workplan approved by DTSC. Workplan will include additional sampling at the site to delineate the vertical and horizontal extent of contamination at the site.

Title: Time Critical Removal Action Memorandum
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=6019737
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Removal Action Workplan
Date Completed: 10/8/2008
Comments: Time critical removal action memo approved by DTSC. The memo discusses the planned removal of viscous material and associated soil contamination from the northeastern portion of the site. The viscous material has been observed periodically surfacing in this area through cracks and expansion joints in the concrete pavement. Further investigation is planned for the Extra Space property in the future.

Title: Remedial Investigation Report - 2229 Clement, Fox/Collins
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=6009292
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Remedial Investigation Report
Date Completed: 12/7/2006
Comments: Final RI Report approved.

Title: Remedial Investigation Report - Phase II (Soil Gas Report)
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=6012762
Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Remedial Investigation Report
Date Completed: 11/28/2006
Comments: Benzene levels in soil gas were above residential CHHSLs. No other VOCs were found to be above the residential CHHSLs standards.

Title: Imminent and Substantial Endangerment Order and Remedial Action Order
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=6007943
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Date Completed: 9/24/2004
Comments: Imminent and/or Substantial Endangerment and Remedial Action Order issued to J.H. Baxter & Co., Bill Dutra, Richard Wright, and 5A Rent-a-Space, Inc.

Title: Groundwater Monitoring Report March and June 2015
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=60397484

Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 5/16/2016
Comments: DTSC has approved this report, which discusses the results of groundwater monitoring performed at the site.

Title: Groundwater Investigation Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=60264368
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Site Characterization Report
Date Completed: 1/31/2014
Comments: DTSC has approved the response to comments to the Groundwater Investigation Report. DTSC's comments and concerns on the Groundwater Investigation Report will be more fully addressed in a subsequent remedial investigation report.

Title: Settlement with J.H. Baxter for DTSC oversight costs
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60323236
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: Consent Settlement - Administrative
Date Completed: 9/4/2013
Comments: Settlement signed with Georgia Baxter for site code 201525. $50,000 check has been credited to this site code.

Title: Workplan for Additional Groundwater Sampling
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=60403473
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Site Characterization Workplan
Date Completed: 12/15/2015
Comments: DTSC has approved the workplan for the collection of additional groundwater samples from the western portion of the Extra Space site.

Title: Remedial Investigation Fieldwork Phase 2
Title Link:
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 6/29/2012
Comments: Installation and sampling of three shallow groundwater monitoring wells completed.

Title: Additional Soil Excavation Work Notice
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=60392675
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Work Notice
Date Completed: 7/29/2015
Comments: The work notice for additional soil excavation at the site has been prepared, and will be mailed out on July 30, 2015.

Title: Quarterly Groundwater Monitoring
Title Link:

Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 6/16/2015
Comments: Quarterly groundwater sampling was performed at the site.

Title: Additional Soil Excavation Workplan
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=60388754
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Removal Action Design
Date Completed: 5/15/2015
Comments: DTSC has approved the workplan for additional soil excavation near vapor probe VP-3, where elevated soil gas concentrations have been detected.

Title: Quarterly Groundwater Monitoring
Title Link:
Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 3/17/2015
Comments: Quarterly groundwater monitoring performed at the Site.

Title: Annual Oversight Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60255749
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 10/11/2010
Comments: Annual DTSC oversight cost estimate for the fiscal year 2010-11.

Title: Additional Site Characterization Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=6016525
Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Site Characterization Report
Date Completed: 8/4/2010
Comments: DTSC has approved the additional site characterization report and requested the preparation of a Removal Action Workplan (RAW) for the site.

Title: Consent Order
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=6012740
Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Consent Order
Date Completed: 11/30/2009
Comments: Consent Order fully executed. This order supersedes previous site orders issued to Mr. Bill T. Dutra.

Title: Consent Order
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=6012416
Area Name: Fox/Collins Property

Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Consent Order
Date Completed: 2/9/2009
Comments: DTSC and property owner signed Consent Order on 2/9/2009. DTSC will be working with property owner on developing a cleanup plan for the Fox-Collins OU.

Title: Work Notice for RAW Implementation
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=60322234
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Work Notice
Date Completed: 5/15/2013
Comments: Work notice announcing the remediation of the Fox-Collins property was distributed to nearby residents and businesses.

Title: Environ Well Installation Workplan
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=60293075
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Well Installation Workplan
Date Completed: 6/11/2012
Comments: Workplan prepared by Extra Space to install shallow groundwater monitoring wells and conduct a tidal study approved by DTSC.

Title: Letter Requiring Implementation of the RAW
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60287167
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Correspondence
Date Completed: 12/15/2011
Comments: Letter sent to Mr. Francis Collins, owner of the Fox-Collins property, requiring implementation of the RAW in 2012.

Title: Quarterly Groundwater Monitoring
Title Link:
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 3/17/2015
Comments: Quarterly groundwater monitoring has been performed at the site.

Title: Quarterly Groundwater Monitoring
Title Link:
Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 12/10/2014
Comments: Groundwater elevation measurements were taken at the site.

Title: Remedial Investigation Fieldwork Phase 1
Title Link:
Area Name: Extra Space Storage Property

Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 2/18/2011
Comments: Soil and grab groundwater samples were collected during this phase of the remedial investigation. CPT boring data was also collected.

Title: Community Profile
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=6020535
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: Community Profile
Date Completed: 10/5/2010
Comments: Community Profile for the Former J.H. Baxter Facility, Alameda has been completed.

Title: Supplemental Site Investigation
Title Link:
Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 12/18/2009
Comments: Supplemental site investigation field work completed on the Dutra property in December 2009.

Title: Annual Oversight Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=6017564
Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 9/15/2009
Comments: Annual Cost Estimate for the Dutra Property

Title: Notice of Exemption for Time Critical Removal Action
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=6013057
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: CEQA - Notice of Exemption
Date Completed: 10/6/2008
Comments: Notice of Exemption for the Time Critical Removal Action finalized, signed, and to be filed with the State Clearinghouse.

Title: Workplan for Well Rehabilitation, Sampling and Reporting - 2199 Clement
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=6009293
Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Remedial Investigation Workplan
Date Completed: 12/20/2005
Comments: Workplan approved.

Title: Notification of change of PM Letter
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60455082
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True

Sub Area:
Sub Area Link:
Document Type: Correspondence
Date Completed: 11/30/2018
Comments:

Title: Notification of change of PM Letter
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60455081
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Correspondence
Date Completed: 11/30/2018
Comments:

Title: Notification of Change in Project Manager
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60435325
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: Correspondence
Date Completed: 9/27/2017
Comments: Notification of Change in Project Manager, as of September 20, 2017.

Title: Annual Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60413858
Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 9/30/2016
Comments: DTSC's annual oversight cost estimate was sent to the property owner.

Title: Annual Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60413857
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 9/30/2016
Comments: DTSC's annual oversight cost estimate was sent to the property owner.

Title: Annual Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60383754
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 11/7/2014
Comments: Annual cost estimate sent out to responsible party.

Title: Indoor Air Sampling Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=6019242
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Remedial Investigation Report
Date Completed: 4/26/2007

Comments: Results from the indoor air sampling accepted. Concentrations of naphthalene in indoor air are within acceptable levels based on site use.

Title: Meeting Minutes Feb. 07, 2019
Title Link:
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Correspondence
Date Completed: 2/26/2019
Comments:

Title: Annual Oversight Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60427223
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 10/9/2017
Comments: Annual Oversight Cost Estimate letter with enclosures (Activity Schedule and Cost Estimate) of DTSC oversight for 2017/2018 Fiscal Year.

Title: Soil Gas and Groundwater Sampling Round 2
Title Link:
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 12/10/2014
Comments: Groundwater samples collected from the monitoring wells on the Fox-Collins site.

Title: Annual Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60383309
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 10/13/2014
Comments: Annual cost estimate was sent out to responsible party.

Title: Annual Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60398337
Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 9/30/2015
Comments: The annual cost estimate has been sent to the property owner.

Title: Letter to J.H. Baxter and Company Requiring Implementation of the RAW
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60314412
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: Correspondence
Date Completed: 1/14/2013
Comments: Letter sent to Ms. Georgia Baxter of J.H. Baxter requiring implementation of the RAW on the Fox-Collins property and payment of DTSC oversight costs.

Title: Annual Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60306085
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 10/30/2012
Comments: Annual DTSC oversight cost estimate mailed to responsible party.

Title: Quarterly Groundwater Monitoring
Title Link:
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 6/16/2015
Comments: Quarterly groundwater sampling was performed at the site.

Title: Groundwater Beneficial Uses Memorandum
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60388749
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Correspondence
Date Completed: 4/23/2015
Comments: The Beneficial Uses Memorandum for the Fox-Collins property concludes that shallow groundwater beneath the property is not a potential drinking water source.

Title: Quarterly Groundwater Monitoring
Title Link:
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 3/17/2015
Comments: Quarterly groundwater monitoring has been performed at the site.

Title: 2009/10 Annual Oversight Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=6017563
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 8/27/2009
Comments: annual estimate sent to parties

128	2 of 2	WSW	0.73 / 3,862.36	14.74 / -23	FORMER J. H. BAXTER FACILITY, ALAMEDA 2189, 2199, 2201, 2229 CLEMENT AVENUE ALAMEDA CA 94501	RESPONSE

Estor/EPA ID: 01240036
Site Code: 202134
Nat Priority List: NO
Acres: 12.3 ACRES
Special Program:

Permit Renewal Lead:
Project Manager: ELIZABETH CHUNG-HUYNH
Supervisor: JANET NAITO
Public Partici Spclst:
Census Tract: 6001427200

Funding:	RESPONSIBLE PARTY	***County:***	ALAMEDA
Assembly District:	18	***Latitude:***	37.7737248398034
Senate District:	09	***Longitude:***	-122.24217221923
School District:			

APN: 071 028900400, 071 028900500, 071 028900601, 071 028900703, 071-0289-004-00, 071-0289-005-00, 071-0289-007-03
Cleanup Status: ACTIVE AS OF 10/26/2005
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY
Site Type: STATE RESPONSE OR NPL
Office: CLEANUP BERKELEY
Past Use that Caused Contam: MANUFACTURING - LUMBER/WOOD PRODUCTS, UNDERGROUND STORAGE TANKS
Potential Media Affected: OTHER GROUNDWATER AFFECTED (USES OTHER THAN DRINKING WATER), SOIL
Potential Contamin of Concern:

DIOXIN (AS 2,3,7,8-TCDD TEQ), METALS, PENTACHLOROPHENOL, PETROLEUM, POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS), VOLATILE ORGANICS (8260B VOCS)

Site History:

In 2003, a dark, tarry substance was observed emanating from beneath the driveway in the north-eastern section of the site. Surface soil samples collected from the area revealed the presence of various hazardous substances at levels above regulatory screening levels.

The site was once part of large wood treatment facility operated by J. H. Baxter and Company from approximately 1924 until 1968. Baxter treated wood utilized for poles, posts, and railroad ties with coal tar derived creosote and fuel oil. Creosote and fuel were stored in above ground storage tanks. Several treatment pits and separation sumps were located on the property. Various other chemicals were stored and generated at the site.

Status: ACTIVE
Program Type: STATE RESPONSE
CalEnviroScreen Score: 66-70%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036

Currently Scheduled Activities

Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: CEQA - Notice of Exemption
Due Date: 6/12/2019
Revised Date:

Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Public Notice
Due Date: 3/31/2019
Revised Date:

Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Public Notice
Due Date: 5/18/2019
Revised Date:

Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Public Notice
Due Date: 4/1/2019
Revised Date:

Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Fact Sheets
Due Date: 3/31/2019
Revised Date:

Future Activities

Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Operations and Maintenance Plan
Due Date: 2020

Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Removal Action Completion Report
Due Date: 2019

Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Land Use Restriction
Due Date: 2020

Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Operations and Maintenance Plan
Due Date: 2019

Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Removal Action Workplan
Due Date: 2019

Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: Certification
Due Date: 2019

Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Certification
Due Date: 2020

Area Name: Fox/Collins Property

Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: CEQA - Initial Study/ Environmental Impact Report
Due Date: 2019

Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Land Use Restriction
Due Date: 2020

Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Fact Sheets
Due Date: 2019

Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Certification
Due Date: 2020

Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Land Use Restriction
Due Date: 2019

Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Removal Action Workplan
Due Date: 2019

Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Remedial Action Completion Report
Due Date: 2019

Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: CEQA - Initial Study/ Neg. Declaration
Due Date: 2019

Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Certification

Due Date: 2020

Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Removal Action Workplan
Due Date: 2019

Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Fact Sheets
Due Date: 2019

Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Operations and Maintenance Plan
Due Date: 2019

Completed Activities

Title: Groundwater Beneficial Uses Memorandum
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60388749
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Correspondence
Date Completed: 4/23/2015
Comments: The Beneficial Uses Memorandum for the Fox-Collins property concludes that shallow groundwater beneath the property is not a potential drinking water source.

Title: Annual Oversight Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60427223
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 10/9/2017
Comments: Annual Oversight Cost Estimate letter with enclosures (Activity Schedule and Cost Estimate) of DTSC oversight for 2017/2018 Fiscal Year.

Title: Notification of change of PM Letter
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60455081
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Correspondence
Date Completed: 11/30/2018
Comments:

Title: Quarterly Groundwater Monitoring
Title Link:
Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True

Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 12/10/2014
Comments: Groundwater elevation measurements were taken at the site.

Title: Letter Requiring Implementation of the RAW
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60287167
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Correspondence
Date Completed: 12/15/2011
Comments: Letter sent to Mr. Francis Collins, owner of the Fox-Collins property, requiring implementation of the RAW in 2012.

Title: Environ Well Installation Workplan
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=60293075
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Well Installation Workplan
Date Completed: 6/11/2012
Comments: Workplan prepared by Extra Space to install shallow groundwater monitoring wells and conduct a tidal study approved by DTSC.

Title: Consent Order
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=6012416
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Consent Order
Date Completed: 2/9/2009
Comments: DTSC and property owner signed Consent Order on 2/9/2009. DTSC will be working with property owner on developing a cleanup plan for the Fox-Collins OU.

Title: Annual Oversight Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60273217
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 10/14/2011
Comments: annual oversight cost estimate finalized.

Title: Annual Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60398339
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 9/30/2015
Comments: The annual cost estimate was sent to the responsible party.

Title: Quarterly Groundwater Monitoring
Title Link:
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:

Sub Area Link:
Document Type: Fieldwork
Date Completed: 9/10/2014
Comments: Quarterly groundwater monitoring performed at the site in conjunction with Dutra and Fox-Collins.

Title: Time Critical Removal Action
Title Link:
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 11/21/2008
Comments: Fieldwork for time critical removal action completed. An underground storage tank (UST) containing fuel oil was discovered and removed during the removal action. Contaminated soil surrounding the UST was also removed. Following removal of the UST and soil contamination, the excavation was backfilled and restored.

Title: Public Notice for the Fox/Collins Property Draft RAW
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=6008231
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Public Notice
Date Completed: 7/12/2010
Comments: The public notice has been finalized for the RAW public comment period. We are currently deciding the dates for the comment period.

Title: Final Determination of Non Compliance with Order
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60306285
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Final Determination of Non-Compliance
Date Completed: 10/9/2012
Comments: Final determination of non compliance with the consent order issued to property owner for refusal to implement the Removal Action Workplan at the site.

Title: Post-Remediation Soil Gas Sampling Workplan
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=60251328
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Site Characterization Workplan
Date Completed: 7/28/2014
Comments: Workplan for post-remediation soil gas and groundwater monitoring.

Title: Notification of Change in DTSC Project Manager
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60442894
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Correspondence
Date Completed: 3/28/2018
Comments: Notification of Change in DTSC Project Manager as of April 2, 2018.

Title: Ability to Pay Evaluation
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=60310357
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:

Sub Area Link:
Document Type: Information Request Letter
Date Completed: 1/14/2013
Comments: Ability to pay evaluation letter sent to Mr. Francis Collins.

Title: RAW Implementation
Title Link:
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 12/31/2013
Comments: Soil remediation work completed at the site. Approximately 10,000 cubic yards of contaminated soil was excavated and removed from the site.

Title: June 2016 Groundwater Monitoring Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=60416628
Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 12/6/2016
Comments: DTSC has approved this monitoring report. The groundwater data were generally similar to historical trends

Title: Annual Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60306085
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 10/30/2012
Comments: Annual DTSC oversight cost estimate mailed to responsible party.

Title: Workplan for Well Rehabilitation, Sampling and Reporting - 2199 Clement
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=6009293
Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Remedial Investigation Workplan
Date Completed: 12/20/2005
Comments: Workplan approved.

Title: Additional Site Characterization Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=6016525
Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Site Characterization Report
Date Completed: 8/4/2010
Comments: DTSC has approved the additional site characterization report and requested the preparation of a Removal Action Workplan (RAW) for the site.

Title: Remedial Investigation Fieldwork Phase 2
Title Link:
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:

Document Type: Fieldwork
Date Completed: 6/29/2012
Comments: Installation and sampling of three shallow groundwater monitoring wells completed.

Title: Notification of Change in DTSC Project Manager
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60442895
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: Correspondence
Date Completed: 3/28/2018
Comments: Notification of Change in DTSC Project Manager as of April 2, 2018.

Title: Annual Oversight Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=6017565
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 9/15/2009
Comments: Annual Cost Estimate for the Fox/Collins Property

Title: Fieldwork - 2199 Clement
Title Link:
Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 9/12/2007
Comments: Soil sampling activities completed.

Title: Annual Oversight Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60273216
Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 10/14/2011
Comments: annual oversight cost estimate finalized.

Title: Annual Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60306087
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 10/30/2012
Comments: Annual DTSC oversight cost estimate mailed to responsible party.

Title: Notification of Change in DTSC Project Manager
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60442892
Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Correspondence
Date Completed: 3/28/2018
Comments: Notification of Change in DTSC Project Manager as of April 2, 2018.

Title: Semi-Annual Groundwater Monitoring
Title Link:
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 6/22/2018
Comments:

Title: Quarterly Groundwater Monitoring
Title Link:
Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 9/10/2014
Comments: Quarterly groundwater monitoring performed at the site in conjunction with Extra Space and Fox-Collins.

Title: Quarterly Groundwater Monitoring
Title Link:
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 6/16/2015
Comments: Quarterly groundwater sampling was performed at the site.

Title: Annual Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60383309
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 10/13/2014
Comments: Annual cost estimate was sent out to responsible party.

Title: Meeting Minutes Feb. 07, 2019
Title Link:
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Correspondence
Date Completed: 2/26/2019
Comments:

Title: Quarterly Groundwater Monitoring
Title Link:
Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 3/17/2015
Comments: Quarterly groundwater monitoring performed at the Site.

Title: 2009/10 Annual Oversight Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=6017563
Area Name: Extra Space Storage Property

Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 8/27/2009
Comments: annual estimate sent to parties

Title: Indoor Air Sampling Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=6019242
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Remedial Investigation Report
Date Completed: 4/26/2007
Comments: Results from the indoor air sampling accepted. Concentrations of naphthalene in indoor air are within acceptable levels based on site use.

Title: Remedial Investigation Fieldwork Phase 1
Title Link:
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 2/18/2011
Comments: Soil and grab groundwater samples were collected during this phase of the remedial investigation. CPT boring data was also collected.

Title: Work Notice for RAW Implementation
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=60322234
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Work Notice
Date Completed: 5/15/2013
Comments: Work notice announcing the remediation of the Fox-Collins property was distributed to nearby residents and businesses.

Title: Consent Order
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=6012740
Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Consent Order
Date Completed: 11/30/2009
Comments: Consent Order fully executed. This order supersedes previous site orders issued to Mr. Bill T. Dutra.

Title: Imminent and Substantial Endangerment Order and Remedial Action Order
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=6007943
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Date Completed: 9/24/2004
Comments: Imminent and/or Substantial Endangerment and Remedial Action Order issued to J.H. Baxter & Co., Bill Dutra, Richard Wright, and 5A Rent-a-Space, Inc.

Title: Workplan for Additional Groundwater Monitoring Well Installation
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=60393675
Area Name: Fox/Collins Property

Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Well Installation Workplan
Date Completed: 7/13/2015
Comments: DTSC has approved this workplan. The property owner will install two new groundwater monitoring wells at the site. One well will be installed in the Merritt Sand, and the other in shallow groundwater.

Title: Proposed Determination Of Non-Compliance
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60303794
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Proposed Determination of non-compliance
Date Completed: 7/30/2012
Comments:

Title: Notification of change of PM Letter
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60455080
Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Correspondence
Date Completed: 11/30/2018
Comments:

Title: Meeting minutes Februaary 11, 2019
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=60458214
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Other Report
Date Completed: 3/5/2019
Comments:

Title: Time Critical Removal Action Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=6020465
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Removal Action Completion Report
Date Completed: 6/9/2010
Comments: DTSC approves TCRA report. During the time critical removal action, which occurred in the Fall of 2008, an underground storage tank and approximately 115 tons of excavated material were removed from the site.

Title: Quarterly Groundwater Monitoring
Title Link:
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 12/10/2014
Comments: Groundwater samples were collected from the monitoring wells on the site.

Title: Quarterly Groundwater Monitoring Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=60251444
Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&print

erfriendly=True
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 10/24/2012
Comments: Approval of groundwater monitoring report for the Dutra property. Responsible party will be submitting a removal action workplan in the next few months.

Title: Soil Gas and Groundwater Monitoring Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=60383227
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 6/15/2015
Comments: DTSC has approved the report documenting the results of post-remediation soil gas and groundwater sampling that was performed on the Fox-Collins property. Elevated concentrations of naphthalene and petroleum hydrocarbons remain in soil gas and groundwater at the site.

Title: Additional Soil Excavation
Title Link:
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 11/20/2015
Comments: Soil contaminated with naphthalene was excavated from the area around vapor probe VP-3. The area was backfilled with clean soil and the vapor probe was reinstalled.

Title: Annual Oversight Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60427308
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 10/9/2017
Comments: Annual Oversight Cost Estimate letter with enclosures (Activity Schedule and Cost Estimate) of DTSC oversight for 2017/2018 Fiscal Year.

Title: Remedial Investigation Interim Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=6020239
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Remedial Investigation Report
Date Completed: 10/31/2011
Comments: The Interim Report and Response to Comments proposed the installation of three sets of nested groundwater monitoring wells as part of the next phase of remedial investigation at the Site. DTSC approved this proposal.

Title: Consent Order
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=6012418
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Consent Order
Date Completed: 10/6/2008
Comments: DTSC signed the order on 10/6. Extra Space signed the order on 10/1. The consent order requires investigation and remediation of the property under DTSC oversight.

Title: Draft RAW - Interim Feedback

Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60440730
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: Correspondence
Date Completed: 12/21/2017
Comments: DTSC agrees that the soil has been adequately characterized and that the remedy proposed for soil, which consists of capping and institutional controls, is appropriate based on the following:

Under the current Site use, the entire Site is covered by asphalt parking, roadways and storage buildings. Soil that is potentially impacted by contamination is below this cover. Based on the current and future Site use for commercial purposes, there are no potentially complete exposure pathways for exposure to soil for the commercial worker or Site visitor (assuming the Site
cover is maintained).

DTSC cannot formally approve this remedy until the Draft RAW undergoes a 30-day public comment period (anticipated in early 2018), comments received are addressed and the Final RAW is approved.

Title: Remedial Investigation Workplan
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=6020237
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Remedial Investigation Workplan
Date Completed: 10/28/2010
Comments: DTSC has approved the Remedial Investigation Workplan. The Workplan discusses the sampling that will occur on the Extra Space property to delineate the vertical and lateral extent of contamination in soil, groundwater, and soil gas/indoor air.

Title: Time Critical Removal Action Public Notice
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=6021201
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Public Notice
Date Completed: 10/31/2008
Comments: Public notice for the administrative record comment period approved for publication.

Title: Annual Oversight Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60273215
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 10/14/2011
Comments: annual oversight cost estimate finalized

Title: Annual Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60398337
Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 9/30/2015
Comments: The annual cost estimate has been sent to the property owner.

Title: Notification of change of PM Letter
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60455082
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True

Sub Area:
Sub Area Link:
Document Type: Correspondence
Date Completed: 11/30/2018
Comments:

Title: Community Profile
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=6020535
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: Community Profile
Date Completed: 10/5/2010
Comments: Community Profile for the Former J.H. Baxter Facility, Alameda has been completed.

Title: Quarterly Groundwater Monitoring
Title Link:
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 3/17/2015
Comments: Quarterly groundwater monitoring has been performed at the site.

Title: Additional Soil Excavation Workplan
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=60388754
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Removal Action Design
Date Completed: 5/15/2015
Comments: DTSC has approved the workplan for additional soil excavation near vapor probe VP-3, where elevated soil gas concentrations have been detected.

Title: Workplan for Additional Groundwater Sampling
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=60403473
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Site Characterization Workplan
Date Completed: 12/15/2015
Comments: DTSC has approved the workplan for the collection of additional groundwater samples from the western portion of the Extra Space site.

Title: Remedial Investigation Report - Phase II (Soil Gas Report)
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=6012762
Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Remedial Investigation Report
Date Completed: 11/28/2006
Comments: Benzene levels in soil gas were above residential CHHSLs. No other VOCs were found to be above the residential CHHSLs standards.

Title: Supplemental Site Investigation Workplan
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=6020571
Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:

Sub Area Link:
Document Type: Site Characterization Workplan
Date Completed: 10/30/2009
Comments: Workplan approved by DTSC. Workplan will include additional sampling at the site to delineate the vertical and horizontal extent of contamination at the site.

Title: Quarterly Groundwater Monitoring
Title Link:
Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 6/16/2015
Comments: Quarterly groundwater monitoring was performed on the Dutra property.

Title: Annual Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60413840
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 9/30/2016
Comments: DTSC's annual oversight cost estimate was sent to the property owner.

Title: US EPA Preliminary Assessment
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=60287870
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Preliminary Assessment Report
Date Completed: 11/5/2003
Comments: Further action required due to elevated levels of wood treatment chemicals.

Title: Contaminant Migration and Site Data Gaps Tech Memo
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=6020242
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: Technical Report
Date Completed: 10/9/2008
Comments: Three memorandums prepared by DTSC Geologist (John Karachewski) have been completed recommending additional investigation activities at the three operable units which comprise the former Baxter site. The memorandums will be forwarded to the various responsible parties.

Title: Remedial Investigation Report - Phase I - 2199 Clement
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=6008629
Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Remedial Investigation Report
Date Completed: 8/11/2006
Comments: Revised Data Report approved on 8/11/2006.

Title: Quarterly Groundwater Monitoring
Title Link:
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:

Document Type: Fieldwork
Date Completed: 3/17/2015
Comments: Quarterly groundwater monitoring has been performed at the site.

Title: Letter to J.H. Baxter and Company Requiring Implementation of the RAW
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60314412
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: Correspondence
Date Completed: 1/14/2013
Comments: Letter sent to Ms. Georgia Baxter of J.H. Baxter requiring implementation of the RAW on the Fox-Collins property and payment of DTSC oversight costs.

Title: Annual Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60413857
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 9/30/2016
Comments: DTSC's annual oversight cost estimate was sent to the property owner.

Title: Annual Oversight Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=6017564
Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 9/15/2009
Comments: Annual Cost Estimate for the Dutra Property

Title: Supplemental Site Investigation
Title Link:
Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 12/18/2009
Comments: Supplemental site investigation field work completed on the Dutra property in December 2009.

Title: Annual Oversight Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60255749
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 10/11/2010
Comments: Annual DTSC oversight cost estimate for the fiscal year 2010-11.

Title: Quarterly Groundwater Monitoring
Title Link:
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 6/16/2015
Comments: Quarterly groundwater sampling was performed at the site.

Title: Settlement with J.H. Baxter for DTSC oversight costs
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60323236
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: Consent Settlement - Administrative
Date Completed: 9/4/2013
Comments: Settlement signed with Georgia Baxter for site code 201525. $50,000 check has been credited to this site code.

Title: Groundwater Investigation Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=60264368
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Site Characterization Report
Date Completed: 1/31/2014
Comments: DTSC has approved the response to comments to the Groundwater Investigation Report. DTSC's comments and concerns on the Groundwater Investigation Report will be more fully addressed in a subsequent remedial investigation report.

Title: Groundwater Monitoring Report March and June 2015
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=60397484
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 5/16/2016
Comments: DTSC has approved this report, which discusses the results of groundwater monitoring performed at the site.

Title: Remedial Investigation Report - 2229 Clement, Fox/Collins
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=6009292
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Remedial Investigation Report
Date Completed: 12/7/2006
Comments: Final RI Report approved.

Title: Removal Action Workplan - 2229 Clement
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=6008634
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Removal Action Workplan
Date Completed: 11/30/2010
Comments: DTSC has approved the Removal Action Workplan dated November 30, 2010 for the Fox-Collins property. The recommended cleanup action detailed in the RAW includes excavation of 8,500 cubic yards of contaminated soil and replacing it with 8,700 cubic yards of clean soil. Excavated soil would be taken away to an appropriate licensed landfill. Groundwater and undissolved liquids would be removed from the excavations, and taken to a recycling facility.

Title: Notification of Change in DTSC Project Manager
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60442893
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Correspondence

Date Completed: 3/28/2018
Comments: Notification of Change in DTSC Project Manager as of April 2, 2018.

Title: Additional Soil Investigation Workplan
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=6015330
Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Technical Workplan
Date Completed: 5/29/2007
Comments:

Title: Annual Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60383331
Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 10/14/2014
Comments: Annual cost estimate sent to responsible party.

Title: Annual Oversight Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60427224
Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 10/9/2017
Comments: Annual Oversight Cost Estimate letter with enclosures (Activity Schedule and Cost Estimate) of DTSC oversight for 2017/2018 Fiscal Year.

Title: Annual Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60306086
Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 10/30/2012
Comments: Annual DTSC oversight cost estimate mailed to responsible party.

Title: Annual Oversight Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60256392
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 10/12/2010
Comments: Annual DTSC oversight cost estimate for the 2010-11 fiscal year completed.

Title: Annual Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60413858
Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 9/30/2016
Comments: DTSC's annual oversight cost estimate was sent to the property owner.

Title: Notice of Exemption for Time Critical Removal Action
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=6013057
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: CEQA - Notice of Exemption
Date Completed: 10/6/2008
Comments: Notice of Exemption for the Time Critical Removal Action finalized, signed, and to be filed with the State Clearinghouse.

Title: Fact Sheet for the Fox/Collins Property Draft RAW
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=6008229
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Fact Sheets
Date Completed: 7/12/2010
Comments: The fact sheet is completed for the RAW public comment period. We are currently deciding the dates for the comment period.

Title: Supplemental Site Characterization
Title Link:
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 12/1/2012
Comments: Extra Space Storage installed and sampled four additional shallow monitoring wells and one deep monitoring well at the site.

Title: Annual Oversight Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60255748
Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 9/29/2010
Comments: Annual oversight cost estimate for fiscal year 2010-11 sent to the responsible party.

Title: First Amended Imminent and Substantial Endangerment Determination Order and Remedial Action Order
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=6007944
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: Amendment - Order/Agreement
Date Completed: 7/13/2005
Comments: Order amended to change the effective date.

Title: Additional Site Characterization Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=6017852
Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Remedial Investigation Report
Date Completed: 7/3/2008
Comments: Report approved and signed.

Title: Letter to Francis Collins regarding mitigation of nuisance odors
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60332309
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Correspondence
Date Completed: 8/8/2013
Comments: Letter from DTSC to Francis Collins requesting specific steps to mitigate nuisance odors from the cleanup of the Fox-Collins property.

Title: Soil Gas Sampling Workplan
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=6012757
Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Remedial Investigation Workplan
Date Completed: 8/16/2006
Comments:

Title: Soil Gas and Groundwater Sampling Round 2
Title Link:
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 12/10/2014
Comments: Groundwater samples collected from the monitoring wells on the Fox-Collins site.

Title: Annual Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60383754
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 11/7/2014
Comments: Annual cost estimate sent out to responsible party.

Title: Notification of Change in Project Manager
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60435325
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: Correspondence
Date Completed: 9/27/2017
Comments: Notification of Change in Project Manager, as of September 20, 2017.

Title: Additional Soil Excavation Work Notice
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=60392675
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Work Notice
Date Completed: 7/29/2015
Comments: The work notice for additional soil excavation at the site has been prepared, and will be mailed out on July 30, 2015.

Title: Time Critical Removal Action Memorandum
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=6019737

Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Removal Action Workplan
Date Completed: 10/8/2008
Comments: Time critical removal action memo approved by DTSC. The memo discusses the planned removal of viscous material and associated soil contamination from the northeastern portion of the site. The viscous material has been observed periodically surfacing in this area through cracks and expansion joints in the concrete pavement. Further investigation is planned for the Extra Space property in the future.

Title: Groundwater Monitoring Report and Supplemental Site Characterization Workplan
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=60305732
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Site Characterization Workplan
Date Completed: 11/27/2012
Comments: DTSC has approved the workplan to install and sample four additional shallow wells and one deep well on the Extra Space property.

Title: Soil Gas Sampling
Title Link:
Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 10/5/2006
Comments: Soil gas sampling completed.

Title: Additional Groundwater Sampling
Title Link:
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 12/17/2015
Comments: Additional groundwater sampling was performed in the western portion of the site to address data gaps.

Title: Consent Order
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60426876
Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Consent Order
Date Completed: 9/22/2017
Comments: The California Environmental Protection Agency, Department of Toxic Substances Control (DTSC) and Halls Boatyard LLC, a California limited liability company, (Respondent) hereby enter into this Consent Order (Order), executed on September 18, 2017.

This Order applies to the property located at 2199 Clement Avenue, Alameda, California 94501, in Alameda County. The property consists of 4.7 acres and is identified by Assessor's Parcel number 071-0289-006-01.

Title: Decommission of Wells Correspondences
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60456207
Area Name: Dutra-Velodyne Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000166&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Correspondence

Date Completed: 2/8/2019
Comments:

Title: Boatworks Redevelopment EIR Responsible Agency Review
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60196388
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: CEQA - Responsible Agency Review
Date Completed: 11/30/2010
Comments: The Notice of Determination (NOD) for the Removal Action Workplan was approved. The NOD states that the proposed cleanup activities, as analyzed in the Boatworks Residential Project Environmental Impact Report, will not have a significant effect on the environment.

Title: Quarterly Groundwater Monitoring Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=60395016
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 8/27/2015
Comments: The quarterly groundwater monitoring report for the site has been approved. Elevated concentrations of petroleum hydrocarbons, naphthalene, and arsenic continue to be detected in groundwater at the site.

Title: Annual Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&enforcement_id=60398338
Area Name: Extra Space Storage Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000426&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 9/30/2015
Comments: The annual cost estimate has been sent to the responsible party.

Title: Post-Remediation Groundwater Monitoring Workplan
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01240036&doc_id=60349404
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Well Installation Workplan
Date Completed: 7/28/2014
Comments: Workplan for post-remediation soil gas and groundwater monitoring.

Title: Soil Gas and Groundwater Sampling Round 1
Title Link:
Area Name: Fox/Collins Property
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240036&ou_id=1000165&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 10/1/2014
Comments: Soil gas and groundwater monitoring wells were installed and sampled at the site.

129	1 of 2	W	0.75 / 3,982.56	15.01 / -23	PORT OF OAKLAND - EMBARCADERO COVE DENNISON AND EMBARCADERO STREETS OAKLAND CA 94606	ENVIROSTOR

Estor/EPA ID: 01510021 **Permit Renewal Lead:**
Site Code: 200083 **Project Manager:** TOM PRICE

Nat Priority List:	NO	***Supervisor:***	JANET NAITO
Acres:	1.3 ACRES	***Public Partici Spclst:***	MARCUS SIMPSON
Special Program:	* RCRA 3012 - PAST HAZ WASTE DISP INVEN SITE	***Census Tract:***	6001406000
Funding:	RESPONSIBLE PARTY	***County:***	ALAMEDA
Assembly District:	18	***Latitude:***	37.7797738955823
Senate District:	09	***Longitude:***	-122.243244444444
School District:			

APN: 00-500-001-00
Cleanup Status: CERTIFIED / OPERATION & MAINTENANCE AS OF 3/28/1997
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY
Site Type: STATE RESPONSE OR NPL
Office: CLEANUP BERKELEY
Past Use that Caused Contam: MANUFACTURING - LUMBER/WOOD PRODUCTS, PESTICIDE/INSECTIDE/RODENTICIDE STORAGE
Potential Media Affected: OTHER GROUNDWATER AFFECTED (USES OTHER THAN DRINKING WATER), SOIL
Potential Contamin of Concern:

BENZENE, DIOXIN (AS 2,3,7,8-TCDD TEQ), ORGANOCHLORINE PESTICIDES (8081 OCPS), OTHER, PENTACHLOROPHENOL, PETROLEUM, POLYCHLORINATED BIPHENYLS (PCBS)

Site History:

Since the early 1900's, the site was leased to industrial tenants, including oil companies and formulators of pesticides and wood preservatives. Investigations conducted in the 1980's showed separate phase hydrocarbons, pesticides, semi-volatile organic compounds (SVOCs), dioxins and furans, and polychlorinated biphenyls in soil and groundwater. A Remedial Action Plan (RAP) was prepared and implemented by 1994 which consisted of construction of a subsurface barrier wall around the site to a depth of 30 feet below the ground surface and a surface cap. The material which was used for the wall and cap was high density polyethylene (HDPE). A groundwater monitoring program is conducted on an annual basis and separate phase hydrocarbons are recovered. TP 8-24-18

Status: CERTIFIED / OPERATION & MAINTENANCE - LAND USE RESTRICTIONS
Program Type: STATE RESPONSE
CalEnviroScreen Score: 86-90%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01510021

Land Use Restrictions

Site Management Requirements:
ACTIVITIES PROHIBITED WHICH DISTURB THE REMEDY AND MONITORING SYSTEMS WITHOUT APPROVAL
DAY CARE CENTER PROHIBITED
ELDER CARE CENTER PROHIBITED
HOSPITAL USE PROHIBITED
LAND USE COVENANT
MAINTAIN MONITORING OF GROUNDWATER
NO EXCAVATION OF CONTAMINATED SOILS WITHOUT AGENCY REVIEW AND APPROVAL
NO GROUNDWATER EXTRACTION AT ANY DEPTH WITHOUT APPROVAL
NO OIL OR GAS EXTRACTION AT ANY DEPTH
NOTIFY PRIOR TO CHANGE IN LAND USE
RAISING OF FOOD PROHIBITED
REQUIRES SURFACE COVERS
RESIDENCE USE PROHIBITED

Title: Deed Restriction / Land Use Covenant
Title Link: http://www.envirostor.dtsc.ca.gov/public/view_document?docurl=/public/deliverable_documents/9676339602/SMBR%5FDEED%5F01510021%2Epdf
Date Recorded: 2/13/1997

Future Activities

Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: 5 Year Review Reports
Due Date: 2019

Area Name:
Area Link:
Sub Area:

Sub Area Link:
Document Type: Operations and Maintenance Report
Due Date: 2019

Completed Activities

Title: 2017 Correspondence
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&enforcement_id=60439920
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Correspondence
Date Completed: 1/23/2018
Comments: Correspondence for the calendar 2017 period.

Title: 2015-2016 Annual Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&enforcement_id=60306146
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 11/3/2015
Comments:

Title: Monit. Well Installation Rpt.
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=60331005
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Well Completion Report
Date Completed: 11/1/2013
Comments: The report detailed replacement of one groundwater monitoring well located on the site. The previous well was suspected of having a faulty seal and providing inaccurate testing results.

Title: Site Visit Report to Observe Groundwater Sampling
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=60310896
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Other Report
Date Completed: 10/22/2012
Comments:

Title: Workplan for Well Replacements
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=60252952
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Well Installation Workplan
Date Completed: 4/5/2011
Comments: The workplan involved replacement of monitoring wells that were previously installed improperly.

Title: 2010 DTSC Annual Site Inspection and Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&enforcement_id=6013877
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Land Use Restriction - Site Inspection/Visit
Date Completed: 6/16/2010
Comments: The cap was observed to be in generally good condition. There was no evidence of any activities prohibited by the Deed Restriction.

Title: Annual Oversight Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&enforcement_id=6017462
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 10/29/2009
Comments:

Title: 2008 DTSC Annual Site Inspection and Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&enforcement_id=6010750
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Land Use Restriction - Site Inspection/Visit
Date Completed: 4/25/2008
Comments: The cap was observed to be in good condition. A section of fence was damaged.

Title: 2006 DTSC Cap Inspection and Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=6010654
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Other Report
Date Completed: 3/6/2006
Comments: DTSC concludes that site remain protective of human health and environment.

Title: 5 Year Review Reports
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=5012369
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: 5 Year Review Reports
Date Completed: 10/19/2001
Comments: Completed Five-Year Review. Soil and groundwater continue to be protective of human health and environment. Groundwater results have either become stable or decreased.

Title: Remedial or Removal Design
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=5012568
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Design/Implementation Workplan
Date Completed: 4/3/1995
Comments: Final design documents for remedial action approved. The final remedy required a multimedia cap, a high-density polyethylene cutoff wall around the entire boundary and a well skimmer to remove petroleum product.

Title: Fact Sheet for Draft Remedial Action Plan
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=60260137
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Fact Sheets
Date Completed: 4/30/1994
Comments: Comment period on Draft RAP runs from May 4 to June 2, 1994.

Title: Hydrogeology and Ground Water Sampling Results
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=60260138
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Characterization Report

Date Completed: 6/28/1991
Comments: Summary of groundwater data

Title: 2016 Correspondence
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&enforcement_id=60316817
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Correspondence
Date Completed: 2/7/2017
Comments: Correspondence for calendar 2016 period.

Title: 2014 Correspondence
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&enforcement_id=60316815
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Correspondence
Date Completed: 2/12/2014
Comments: Correspondence for the calendar 2014 period.

Title: 2014 Groundwater Sampling & Cap Inspection
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 1/10/2014
Comments: Groundwater sampling was completed.

Title: 2013 Annual Technical Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=60303149
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Operations and Maintenance Report
Date Completed: 6/12/2013
Comments: The Annual Report summarized the groundwater monitoring results and recommended replacement of one groundwater monitoirng well; that work is expected to be completed in 2012. DTSC granted a request by Monsanto to incorporate improvements to the report presentation into the next Annual Report. Those requested improvements include incorporating screening values into tables for comparison to groundwater monitoring data. For dioxins, some exceedences of the conservative screening values for ecological receptors were noted however the actual tests were conducted on groundwater samples adjacent to the the Oakland Inner Harbor and do not represent concentrations of contaminants actually discharged.

Title: 2012-2013 Annual Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&enforcement_id=60306143
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 10/24/2012
Comments:

Title: 2012 Annual Inspection
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&enforcement_id=60199083
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Land Use Restriction - Site Inspection/Visit
Date Completed: 5/2/2012
Comments: DTSC conducted its annual site visit to check the condition of the soil cap and to verify compliance with the restrictions and requirements of the Land Use Covenant. The cap was observed to be in generally good condition.

A public notice announcing the completion of the Five-Year Review was posted on the fence. There was no evidence of any activities prohibited by the Land Use Covenant.

Title: Semi-Annual Groundwater Monitoring and Site Inspection Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=60260146
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 7/14/2000
Comments: Consistent with historical reports

Title: Quarterly Monitoring and Site Inspection Report July 1997-Set. 1997
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=60260143
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 10/21/1997
Comments: Consistent with historical results.

Title: 2016 Groundwater Sampling & Cap Inspection
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 1/21/2016
Comments: Groundwater sampling was conducted. The consultant was reminded that DTSC requested that Total Organic Carbon (TOC) analysis should be added to the testing program for selected groundwater samples.

Title: 2015 Groundwater Sampling & Cap Inspection
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 1/8/2015
Comments: Fieldwork was conducted January 6-8, 2015.

Title: 2013-2014 Annual Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&enforcement_id=60306144
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 8/6/2013
Comments: Cost estimate for regulatory oversight by DTSC for the 2013-14 fiscal year.

Title: 2013 Groundwater Sampling
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 1/10/2013
Comments: Fieldwork was completed.

Title: Annual Oversight Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&enforcement_id=60273254
Area Name:
Area Link:
Sub Area:

Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 9/22/2011
Comments: The cost estimate covers the period from 7/1/2011 to 6/30/2012.

Title: Groundwater Sampling
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 4/29/2011
Comments: Samples collected last week of April.

Title: Semi-Annual Groundwater Monitoring and Site Inspection Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=60260145
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 2/3/2000
Comments: Consistent with historical reports

Title: Semi-Annual Groundwater Monitoring and Site Inspection Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=60260144
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 7/21/1999
Comments: Consistent with Historical monitoring.

Title: Semi-Annual Groundwater Monitoring and Site Inspection Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=60260163
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 9/10/1998
Comments: Consistent with historical data.

Title: Certification
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&enforcement_id=5012374
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Certification
Date Completed: 3/28/1997
Comments: Certified Site.

Title: Remedial Action Completion or Implementation
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=5012567
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Remedial Action Completion Report
Date Completed: 6/10/1996
Comments: Completed Remedial Action. Approval of Implementation Report. The final remedial action required the installation of the following: a geosynthetic clay liner and high density barrier around the perimeter of the site; a multimedia cap over 1.3 acres; and a skimming program to remove free petroleum hydrocarbons products. Construction was initiated in July 1995 and was completed in December 1995.

Title: Preliminary Assessment Report

Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Preliminary Assessment Report
Date Completed: 2/21/1984
Comments: Completed PA. As part of site invetigation, pentachlorophenol (PCP), organochlorine pesticides and solvents were discovered in soil and groundwater.

Title: 2014-2015 Annual Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&enforcement_id=60306145
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 10/24/2014
Comments: Estimate of DTSC costs for regulatory oversight for the fiscal year (July 1, 2014 to June 30, 2015).

Title: 2014 Annual Technical Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=60316801
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Operations and Maintenance Report
Date Completed: 4/7/2014
Comments:

Title: Fence Repair Confimation
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=6019339
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Other Report
Date Completed: 6/4/2008
Comments: Fence repair was completed.

Title: Final Feasibility Study
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=60260142
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Feasibility Study Report
Date Completed: 12/30/1993
Comments: Final feasibility Study. No DTSC approval letter could be found in the file.

Title: Remedial Investigation Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=5012571
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Remedial Investigation Report
Date Completed: 5/19/1989
Comments: PCP and tetrachlorophenol (TeCP), pesticides, dioxins and furans were detected in soils and groundwater.

Title: Remedial Action Order
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&enforcement_id=5012575
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Date Completed: 7/8/1987
Comments: Dept. of Health Services issued a Remedial Action Order to Port of Oakland, Embarcadero Cove, to investigate

and clean up the soil and groundwater contamination at the site.

Title: Preliminary Remedial Investigation Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=60260140
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Characterization Report
Date Completed: 3/31/1986
Comments: Preliminary report with data to date.

Title: 2010-2011 Annual Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&enforcement_id=60253428
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 8/30/2010
Comments: The estimate for DTSC's oversight costs for the fiscal year 2010-2011 is $9,866.00.

Title: 2010 Annual Technical Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=6018949
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 7/2/2010
Comments:

Title: Continuous Water Level Monitoring Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=60260133
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Characterization Report
Date Completed: 3/3/1983
Comments: Documentation of tidal effects at the site.

Title: 2005 Annual Technical Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=6008911
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Operations and Maintenance Report
Date Completed: 11/22/2005
Comments: Results of chemical analyses of groundwater samples collected during this reporting period show that concentrations remain within historical ranges.

Title: Semi-Annual Groundwater Monitoring and Site Inspection Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=60260162
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 1/27/1999
Comments: Consistent with historic data.

Title: Amendment to Order
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&enforcement_id=5012371
Area Name:
Area Link:
Sub Area:
Sub Area Link:

Document Type: Operation & Maintenance Order/Agreement
Date Completed: 3/7/1997
Comments: Order amended to include Operations and Maintenance of the Site.

Title: Remedial Action Plan
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=5012569
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Remedial Action Plan
Date Completed: 6/29/1994
Comments: Recommended cleanup includes, installation of a cap over the contaminated area, installation of HDPE cutoff wall around the site boundary to isolate groundwater, operation of well skimmer to remove free petroleum products, deed restriction, site and groundwater use restrictions, and periodic groundwater monitoring.

Title: Screening Site Inspection Reassessment
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=60260128
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Screening
Date Completed: 6/30/1990
Comments: US EPA's contractor determined that further action was needed at the site based on contamination in soil and groundwater.

Title: Site Investigation Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=60260129
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Characterization Report
Date Completed: 8/17/1981
Comments: Elevated levels of pesticides and wood teatment chemicsls found in soil.

Title: Discovery
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: * Discovery
Date Completed: 7/13/1981
Comments: Site Discovery.

Title: 2017 Groundwater Sampling & Cap Inspection
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 1/25/2017
Comments: Cap inspection and groundwater monitoring work was completed.

Title: Workplan for Replacement of Monitoring Well
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=60328676
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Technical Workplan
Date Completed: 7/12/2013
Comments: The workplan describes procedures for proper abandonment and replacement of one groundwater monitoring well to a depth of approximately 47 feet below the ground surface. Groundwater samples will be collected and tested from the well after installation.

Title: 2011 DTSC Annual Inspection
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&enforcement_id=60199082
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Land Use Restriction - Site Inspection/Visit
Date Completed: 4/7/2011
Comments:

Title: Replacement of Monit. Well
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 8/2/2013
Comments: Field work was completed.

Title: 2011 Annual Technical Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=6018950
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 10/7/2011
Comments: Separate-phase petroleum "free product" has historically been observed at wells W-6 (this period thickness was 1.32 feet), W-9R (this period separate phase petroleum was not observed), and W-21 (this period thickness was 1.17 feet). The free product was removed from the wells with adsorbent socks for disposal off-site. Chemicals of potential concern (COPCs) that have been detected in soil and groundwater at the site include volatile organic compounds, semi-volatile organic compounds, organochlorine pesticides, poly-chlorinated biphenyls (PCBs), dioxins, and furans for which groundwater monitoring was conducted this period. The site is capped to prevent rainwater infiltration and a high-density polyethylene (HDPE) wall was installed underground around the site as a remedial measure in 1995 to isolate shallow groundwater. Replacement wells W-7R and W-11R were installed this period to replace monitoring wells W-7 and W-11 which were destroyed due to improper construction. DTSC's Geological Services Unit (GSU) commented that future reports should discuss the detections of COPCs compared to water quality criteria, remedy effectiveness, include time-series graphs of groundwater quality, and data quality objectives should be evaulated.

Title: Five -Year Review Public Notice
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=6020698
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Public Notice
Date Completed: 8/4/2011
Comments:

Title: 2009 DTSC Annual Site Inspection and Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&enforcement_id=6012298
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Land Use Restriction - Site Inspection/Visit
Date Completed: 4/14/2009
Comments: The cap was observed to be in generally good condition. The damaged fence observed in last year's inspection has been repaired. There was no evidence of any activities prohibited by the Deed Restriction.

Title: Addendum to 2nd five year Review Report 2001-2006
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=6019786
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: 5 Year Review Reports

Date Completed: 8/15/2008
Comments: This report was prepared to study the variability in dioxin concentrations over the second five year review period. The sample preparation method for the analysis of dioxin was changed in 2001 and over the last several years dioxin concentrations have increased or fluctuated significantly in some wells. This report documents that the variability of dioxin concentration was related the change in the analytical procedure.

Title: 2007 RP Annual Technical Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=6014012
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 12/17/2007
Comments: Groundwater contamination appears to be consistent with historic ranges. Cap in in good condition. Damaged permineter fence has been repaired.

Title: Semi-Annual Groundwater Monitoring and Site Inspection Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=60260147
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 1/12/2001
Comments: Data consistent with historical reports

Title: Removal Action Completion Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=5012573
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Removal Action Completion Report
Date Completed: 4/30/1990
Comments: A temporary chip seal was constructed over the site surface contaminated with PCP until implementation of the final remedial action.

Title: 2015 Correspondence
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&enforcement_id=60389148
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Correspondence
Date Completed: 3/21/2016
Comments: Correspondence for calendar 2015 period.

Title: 2013 Correspondence
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&enforcement_id=60316814
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Correspondence
Date Completed: 1/28/2014
Comments: General correspondence from January 1 - December 31, 2013.

Title: Redevelopment of Monitoring Well
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 1/7/2013
Comments: Fieldwork was completed.

Title: Five Year Review

Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=6016906
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: 5 Year Review Reports
Date Completed: 6/27/2012
Comments: This 5-Year Review report covered years 2007 to 2011 and the report also included the 2012 annual groundwater monitoring data. The surface cap and subsurface barrier which surrounds the site to a depth of 30 feet below the ground surface continues to operate properly and prevents contaminant migration. Groundwater monitoring at the site was recommended to continue to occur on an annual basis. The report concluded that the remedy is still protective of human health and the environment.

Title: 2009 Annual Technical Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=6014015
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 5/29/2009
Comments: Groundwater contamination appears to be consistent with historic ranges.

Title: 2008 Annual Technical Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=6014013
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 8/15/2008
Comments: Groundwater contamination appears to be consistent with historic ranges.

Title: Amendment to Order
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&enforcement_id=6009760
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Amendment - Order/Agreement
Date Completed: 9/12/2006
Comments: Agreement was amendment to include submittals in electronic format.

Title: Order to Post and Fence
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&enforcement_id=6009540
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Fence & Post Order
Date Completed: 2/19/1985
Comments:

Title: Additional Characterization
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=60260131
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Characterization Report
Date Completed: 10/6/1981
Comments: Additional anaylsis confirms elevated pesticides in soil.

Title: Public Notice for Approval of 5-Year Review Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=60275587
Area Name:
Area Link:
Sub Area:
Sub Area Link:

Document Type: Public Notice
Date Completed: 7/17/2012
Comments: The Public Notice will run in the Oakland Tribune.

Title: 2007 DTSC Site Inspection and Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&enforcement_id=6009676
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Land Use Restriction - Site Inspection/Visit
Date Completed: 3/26/2007
Comments: No major problems were noted. Follow-up on missing decorative rocks which are used for erosion control and ponding outside of the fence area will need to take place.

Title: 5 year review report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=6010660
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: 5 Year Review Reports
Date Completed: 11/28/2006
Comments: Dioxin data shows variability due to change in analytical procedure for dioxin. Submittal of an addendum to the Five-Year Review Report with the reassessed dioxin data is required.

Title: Deed Restriction / Land Use Covenant
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&enforcement_id=5012372
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Land Use Restriction
Date Completed: 2/13/1997
Comments: Recorded Deed Restriction to ensure its commercial, industrial use and to protect the remedial system.

Title: Operations and Maintenance Plan
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=5012373
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Operations and Maintenance Plan
Date Completed: 1/29/1997
Comments: Approved O&M Plan. An Operation and Maintenance Plan was approved for the cap, barrier wall and groundwater monitoring system at the site.

Title: CEQA
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&enforcement_id=5012570
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: CEQA - Initial Study/ Neg. Declaration
Date Completed: 6/29/1994
Comments: Negative Declaration and Remedial Action Plan approved.

Title: Community Relations Plan
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=60260135
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Public Participation Plan / Community Relations Plan
Date Completed: 10/1/1988
Comments: Plan documenting evaluation of community needs for communication during remedial work.

Title: Site Screening
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=5012576

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Screening
Date Completed: 4/13/1987
Comments: Completed Site Screening requiring additional information on site chemicals.

Title: Investigation of Soil and Groundwater
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=60260141
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Characterization Report
Date Completed: 5/15/1985
Comments: Summary of site investigations

129	2 of 2	W	0.75 / 3,982.56	15.01 / -23	PORT OF OAKLAND - EMBARCADERO COVE DENNISON AND EMBARCADERO STREETS OAKLAND CA 94606	RESPONSE

Estor/EPA ID: 01510021
Site Code: 200083
Nat Priority List: NO
Acres: 1.3 ACRES
Special Program: * RCRA 3012 - PAST HAZ WASTE DISP INVEN SITE
Funding: RESPONSIBLE PARTY
Assembly District: 18
Senate District: 09
School District:
Permit Renewal Lead:
Project Manager: TOM PRICE
Supervisor: JANET NAITO
Public Partici Spclst: MARCUS SIMPSON
Census Tract: 6001406000
County: ALAMEDA
Latitude: 37.7797738955823
Longitude: -122.243244444444
APN: 00-500-001-00
Cleanup Status: CERTIFIED / OPERATION & MAINTENANCE AS OF 3/28/1997
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY
Site Type: STATE RESPONSE OR NPL
Office: CLEANUP BERKELEY
Past Use that Caused Contam: MANUFACTURING - LUMBER/WOOD PRODUCTS, PESTICIDE/INSECTIDE/RODENTICIDE STORAGE
Potential Media Affected: OTHER GROUNDWATER AFFECTED (USES OTHER THAN DRINKING WATER), SOIL
Potential Contamin of Concern:

BENZENE, DIOXIN (AS 2,3,7,8-TCDD TEQ), ORGANOCHLORINE PESTICIDES (8081 OCPS), OTHER, PENTACHLOROPHENOL, PETROLEUM, POLYCHLORINATED BIPHENYLS (PCBS)

Site History:

Since the early 1900's, the site was leased to industrial tenants, including oil companies and formulators of pesticides and wood preservatives. Investigations conducted in the 1980's showed separate phase hydrocarbons, pesticides, semi-volatile organic compounds (SVOCs), dioxins and furans, and polychlorinated biphenyls in soil and groundwater. A Remedial Action Plan (RAP) was prepared and implemented by 1994 which consisted of construction of a subsurface barrier wall around the site to a depth of 30 feet below the ground surface and a surface cap. The material which was used for the wall and cap was high density polyethylene (HDPE). A groundwater monitoring program is conducted on an annual basis and separate phase hydrocarbons are recovered. TP 8-24-18

Status: CERTIFIED / OPERATION & MAINTENANCE - LAND USE RESTRICTIONS
Program Type: STATE RESPONSE
CalEnviroScreen Score: 86-90%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01510021

Land Use Restrictions

Site Management Requirements: ACTIVITIES PROHIBITED WHICH DISTURB THE REMEDY AND MONITORING SYSTEMS WITHOUT APPROVAL
DAY CARE CENTER PROHIBITED
ELDER CARE CENTER PROHIBITED
HOSPITAL USE PROHIBITED

LAND USE COVENANT
MAINTAIN MONITORING OF GROUNDWATER
NO EXCAVATION OF CONTAMINATED SOILS WITHOUT AGENCY REVIEW AND APPROVAL
NO GROUNDWATER EXTRACTION AT ANY DEPTH WITHOUT APPROVAL
NO OIL OR GAS EXTRACTION AT ANY DEPTH
NOTIFY PRIOR TO CHANGE IN LAND USE
RAISING OF FOOD PROHIBITED
REQUIRES SURFACE COVERS
RESIDENCE USE PROHIBITED

Title: Deed Restriction / Land Use Covenant
Title Link: http://www.envirostor.dtsc.ca.gov/public/view_document?docurl=/public/deliverable_documents/9676339602/SMBR%5FDEED%5F01510021%2Epdf
Date Recorded: 2/13/1997

Future Activities

Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Operations and Maintenance Report
Due Date: 2019

Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: 5 Year Review Reports
Due Date: 2019

Completed Activities

Title: Operations and Maintenance Plan
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=5012373
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Operations and Maintenance Plan
Date Completed: 1/29/1997
Comments: Approved O&M Plan. An Operation and Maintenance Plan was approved for the cap, barrier wall and groundwater monitoring system at the site.

Title: 2015 Correspondence
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&enforcement_id=60389148
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Correspondence
Date Completed: 3/21/2016
Comments: Correspondence for calendar 2015 period.

Title: Removal Action Completion Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=5012573
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Removal Action Completion Report
Date Completed: 4/30/1990
Comments: A temporary chip seal was constructed over the site surface contaminated with PCP until implementation of the final remedial action.

Title: Semi-Annual Groundwater Monitoring and Site Inspection Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=60260147
Area Name:

Area Link:
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 1/12/2001
Comments: Data consistent with historical reports

Title: Final Feasibility Study
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=60260142
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Feasibility Study Report
Date Completed: 12/30/1993
Comments: Final feasibility Study. No DTSC approval letter could be found in the file.

Title: 2014-2015 Annual Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&enforcement_id=60306145
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 10/24/2014
Comments: Estimate of DTSC costs for regulatory oversight for the fiscal year (July 1, 2014 to June 30, 2015).

Title: Annual Oversight Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&enforcement_id=60273254
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 9/22/2011
Comments: The cost estimate covers the period from 7/1/2011 to 6/30/2012.

Title: 2013-2014 Annual Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&enforcement_id=60306144
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 8/6/2013
Comments: Cost estimate for regulatory oversight by DTSC for the 2013-14 fiscal year.

Title: 2014 Groundwater Sampling & Cap Inspection
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 1/10/2014
Comments: Groundwater sampling was completed.

Title: Five -Year Review Public Notice
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=6020698
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Public Notice
Date Completed: 8/4/2011
Comments:

Title: 2011 Annual Technical Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=6018950

Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 10/7/2011
Comments: Separate-phase petroleum "free product" has historically been observed at wells W-6 (this period thickness was 1.32 feet), W-9R (this period separate phase petroleum was not observed), and W-21 (this period thickness was 1.17 feet). The free product was removed from the wells with adsorbent socks for disposal off-site. Chemicals of potential concern (COPCs) that have been detected in soil and groundwater at the site include volatile organic compounds, semi-volatile organic compounds, organochlorine pesticides, poly-chlorinated biphenyls (PCBs), dioxins, and furans for which groundwater monitoring was conducted this period. The site is capped to prevent rainwater infiltration and a high-density polyethylene (HDPE) wall was installed underground around the site as a remedial measure in 1995 to isolate shallow groundwater. Replacement wells W-7R and W-11R were installed this period to replace monitoring wells W-7 and W-11 which were destroyed due to improper construction. DTSC's Geological Services Unit (GSU) commented that future reports should discuss the detections of COPCs compared to water quality criteria, remedy effectiveness, include time-series graphs of groundwater quality, and data quality objectives should be evaulated.

Title: Remedial Action Plan
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=5012569
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Remedial Action Plan
Date Completed: 6/29/1994
Comments: Recommended cleanup includes, installation of a cap over the contaminated area, installation of HDPE cutoff wall around the site boundary to isolate groundwater, operation of well skimmer to remove free petroleum products, deed restriction, site and groundwater use restrictions, and periodic groundwater monitoring.

Title: Preliminary Remedial Investigation Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=60260140
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Characterization Report
Date Completed: 3/31/1986
Comments: Preliminary report with data to date.

Title: Certification
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&enforcement_id=5012374
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Certification
Date Completed: 3/28/1997
Comments: Certified Site.

Title: 2013 Groundwater Sampling
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 1/10/2013
Comments: Fieldwork was completed.

Title: 2012 Annual Inspection
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&enforcement_id=60199083
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Land Use Restriction - Site Inspection/Visit
Date Completed: 5/2/2012

Comments: DTSC conducted its annual site visit to check the condition of the soil cap and to verify compliance with the restrictions and requirements of the Land Use Covenant. The cap was observed to be in generally good condition. A public notice announcing the completion of the Five-Year Review was posted on the fence. There was no evidence of any activities prohibited by the Land Use Covenant.

Title: 2012-2013 Annual Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&enforcement_id=60306143
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 10/24/2012
Comments:

Title: Hydrogeology and Ground Water Sampling Results
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=60260138
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Characterization Report
Date Completed: 6/28/1991
Comments: Summary of groundwater data

Title: Community Relations Plan
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=60260135
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Public Participation Plan / Community Relations Plan
Date Completed: 10/1/1988
Comments: Plan documenting evaluation of community needs for communication during remedial work.

Title: Deed Restriction / Land Use Covenant
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&enforcement_id=5012372
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Land Use Restriction
Date Completed: 2/13/1997
Comments: Recorded Deed Restriction to ensure its commercial, industrial use and to protect the remedial system.

Title: Public Notice for Approval of 5-Year Review Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=60275587
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Public Notice
Date Completed: 7/17/2012
Comments: The Public Notice will run in the Oakland Tribune.

Title: Additional Characterization
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=60260131
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Characterization Report
Date Completed: 10/6/1981
Comments: Additional anaylsis confirms elevated pesticides in soil.

Title: 2008 Annual Technical Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=6014013
Area Name:
Area Link:

Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 8/15/2008
Comments: Groundwater contamination appears to be consistent with historic ranges.

Title: Five Year Review
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=6016906
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: 5 Year Review Reports
Date Completed: 6/27/2012
Comments: This 5-Year Review report covered years 2007 to 2011 and the report also included the 2012 annual groundwater monitoring data. The surface cap and subsurface barrier which surrounds the site to a depth of 30 feet below the ground surface continues to operate properly and prevents contaminant migration. Groundwater monitoring at the site was recommended to continue to occur on an annual basis. The report concluded that the remedy is still protective of human health and the environment.

Title: Redevelopment of Monitoring Well
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 1/7/2013
Comments: Fieldwork was completed.

Title: Site Investigation Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=60260129
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Characterization Report
Date Completed: 8/17/1981
Comments: Elevated levels of pesticides and wood teatment chemicsls found in soil.

Title: 2010 Annual Technical Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=6018949
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 7/2/2010
Comments:

Title: Semi-Annual Groundwater Monitoring and Site Inspection Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=60260163
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 9/10/1998
Comments: Consistent with historical data.

Title: Semi-Annual Groundwater Monitoring and Site Inspection Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=60260145
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 2/3/2000
Comments: Consistent with historical reports

Title: 2016 Groundwater Sampling & Cap Inspection
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 1/21/2016
Comments: Groundwater sampling was conducted. The consultant was reminded that DTSC requested that Total Organic Carbon (TOC) analysis should be added to the testing program for selected groundwater samples.

Title: Quarterly Monitoring and Site Inspection Report July 1997-Set. 1997
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=60260143
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 10/21/1997
Comments: Consistent with historical results.

Title: Fact Sheet for Draft Remedial Action Plan
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=60260137
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Fact Sheets
Date Completed: 4/30/1994
Comments: Comment period on Draft RAP runs from May 4 to June 2, 1994.

Title: 2015-2016 Annual Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&enforcement_id=60306146
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 11/3/2015
Comments:

Title: 2017 Correspondence
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&enforcement_id=60439920
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Correspondence
Date Completed: 1/23/2018
Comments: Correspondence for the calendar 2017 period.

Title: 2007 DTSC Site Inspection and Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&enforcement_id=6009676
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Land Use Restriction - Site Inspection/Visit
Date Completed: 3/26/2007
Comments: No major problems were noted. Follow-up on missing decorative rocks which are used for erosion control and ponding outside of the fence area will need to take place.

Title: 2007 RP Annual Technical Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=6014012
Area Name:
Area Link:
Sub Area:
Sub Area Link:

Document Type: Monitoring Report
Date Completed: 12/17/2007
Comments: Groundwater contamination appears to be consistent with historic ranges. Cap in in good condition. Damaged permineter fence has been repaired.

Title: 2014 Annual Technical Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=60316801
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Operations and Maintenance Report
Date Completed: 4/7/2014
Comments:

Title: 2006 DTSC Cap Inspection and Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=6010654
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Other Report
Date Completed: 3/6/2006
Comments: DTSC concludes that site remain protective of human health and environment.

Title: 2010 DTSC Annual Site Inspection and Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&enforcement_id=6013877
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Land Use Restriction - Site Inspection/Visit
Date Completed: 6/16/2010
Comments: The cap was observed to be in generally good condition. There was no evidence of any activities prohibited by the Deed Restriction.

Title: Monit. Well Installation Rpt.
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=60331005
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Well Completion Report
Date Completed: 11/1/2013
Comments: The report detailed replacement of one groundwater monitoring well located on the site. The previous well was suspected of having a faulty seal and providing inaccurate testing results.

Title: Amendment to Order
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&enforcement_id=6009760
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Amendment - Order/Agreement
Date Completed: 9/12/2006
Comments: Agreement was amendment to include submittals in electronic format.

Title: Discovery
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: * Discovery
Date Completed: 7/13/1981
Comments: Site Discovery.

Title: 2005 Annual Technical Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=6008911

Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Operations and Maintenance Report
Date Completed: 11/22/2005
Comments: Results of chemical analyses of groundwater samples collected during this reporting period show that concentrations remain within historical ranges.

Title: Remedial Action Order
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&enforcement_id=5012575
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Date Completed: 7/8/1987
Comments: Dept. of Health Services issued a Remedial Action Order to Port of Oakland, Embarcadero Cove, to investigate and clean up the soil and groundwater contamination at the site.

Title: Remedial Action Completion or Implementation
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=5012567
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Remedial Action Completion Report
Date Completed: 6/10/1996
Comments: Completed Remedial Action. Approval of Implementation Report. The final remedial action required the installation of the following: a geosynthetic clay liner and high density barrier around the perimeter of the site; a multimedia cap over 1.3 acres; and a skimming program to remove free petroleum hydrocarbons products. Construction was initiated in July 1995 and was completed in December 1995.

Title: Groundwater Sampling
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 4/29/2011
Comments: Samples collected last week of April.

Title: 2014 Correspondence
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&enforcement_id=60316815
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Correspondence
Date Completed: 2/12/2014
Comments: Correspondence for the calendar 2014 period.

Title: 2016 Correspondence
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&enforcement_id=60316817
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Correspondence
Date Completed: 2/7/2017
Comments: Correspondence for calendar 2016 period.

Title: Site Visit Report to Observe Groundwater Sampling
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=60310896
Area Name:
Area Link:
Sub Area:
Sub Area Link:

Document Type: Other Report
Date Completed: 10/22/2012
Comments:

Title: Site Screening
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=5012576
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Screening
Date Completed: 4/13/1987
Comments: Completed Site Screening requiring additional information on site chemicals.

Title: 2013 Correspondence
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&enforcement_id=60316814
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Correspondence
Date Completed: 1/28/2014
Comments: General correspondence from January 1 - December 31, 2013.

Title: 2011 DTSC Annual Inspection
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&enforcement_id=60199082
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Land Use Restriction - Site Inspection/Visit
Date Completed: 4/7/2011
Comments:

Title: Screening Site Inspection Reassessment
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=60260128
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Screening
Date Completed: 6/30/1990
Comments: US EPA's contractor determined that further action was needed at the site based on contamination in soil and groundwater.

Title: Amendment to Order
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&enforcement_id=5012371
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Operation & Maintenance Order/Agreement
Date Completed: 3/7/1997
Comments: Order amended to include Operations and Maintenance of the Site.

Title: Semi-Annual Groundwater Monitoring and Site Inspection Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=60260162
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 1/27/1999
Comments: Consistent with historic data.

Title: Semi-Annual Groundwater Monitoring and Site Inspection Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=60260144
Area Name:
Area Link:

Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 7/21/1999
Comments: Consistent with Historical monitoring.

Title: 2015 Groundwater Sampling & Cap Inspection
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 1/8/2015
Comments: Fieldwork was conducted January 6-8, 2015.

Title: 2013 Annual Technical Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=60303149
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Operations and Maintenance Report
Date Completed: 6/12/2013
Comments: The Annual Report summarized the groundwater monitoring results and recommended replacement of one groundwater monitoirng well; that work is expected to be completed in 2012. DTSC granted a request by Monsanto to incorporate improvements to the report presentation into the next Annual Report. Those requested improvements include incorporating screening values into tables for comparison to groundwater monitoring data. For dioxins, some exceedences of the conservative screening values for ecological receptors were noted however the actual tests were conducted on groundwater samples adjacent to the the Oakland Inner Harbor and do not represent concentrations of contaminants actually discharged.

Title: 2008 DTSC Annual Site Inspection and Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&enforcement_id=6010750
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Land Use Restriction - Site Inspection/Visit
Date Completed: 4/25/2008
Comments: The cap was observed to be in good condition. A section of fence was damaged.

Title: Annual Oversight Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&enforcement_id=6017462
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 10/29/2009
Comments:

Title: Investigation of Soil and Groundwater
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=60260141
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Characterization Report
Date Completed: 5/15/1985
Comments: Summary of site investigations

Title: CEQA
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&enforcement_id=5012570
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: CEQA - Initial Study/ Neg. Declaration

Date Completed: 6/29/1994
Comments: Negative Declaration and Remedial Action Plan approved.

Title: 5 year review report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=6010660
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: 5 Year Review Reports
Date Completed: 11/28/2006
Comments: Dioxin data shows variability due to change in analytical procedure for dioxin. Submittal of an addendum to the Five-Year Review Report with the reassessed dioxin data is required.

Title: Order to Post and Fence
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&enforcement_id=6009540
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Fence & Post Order
Date Completed: 2/19/1985
Comments:

Title: 2009 DTSC Annual Site Inspection and Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&enforcement_id=6012298
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Land Use Restriction - Site Inspection/Visit
Date Completed: 4/14/2009
Comments: The cap was observed to be in generally good condition. The damaged fence observed in last year's inspection has been repaired. There was no evidence of any activities prohibited by the Deed Restriction.

Title: Replacement of Monit. Well
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 8/2/2013
Comments: Field work was completed.

Title: Workplan for Replacement of Monitoring Well
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=60328676
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Technical Workplan
Date Completed: 7/12/2013
Comments: The workplan describes procedures for proper abandonment and replacement of one groundwater monitoring well to a depth of approximately 47 feet below the ground surface. Groundwater samples will be collected and tested from the well after installation.

Title: 2017 Groundwater Sampling & Cap Inspection
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 1/25/2017
Comments: Cap inspection and groundwater monitoring work was completed.

Title: Continuous Water Level Monitoring Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=60260133

Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Characterization Report
Date Completed: 3/3/1983
Comments: Documentation of tidal effects at the site.

Title: Fence Repair Confimation
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=6019339
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Other Report
Date Completed: 6/4/2008
Comments: Fence repair was completed.

Title: Semi-Annual Groundwater Monitoring and Site Inspection Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=60260146
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 7/14/2000
Comments: Consistent with historical reports

Title: 2009 Annual Technical Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=6014015
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 5/29/2009
Comments: Groundwater contamination appears to be consistent with historic ranges.

Title: Addendum to 2nd five year Review Report 2001-2006
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=6019786
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: 5 Year Review Reports
Date Completed: 8/15/2008
Comments: This report was prepared to study the variability in dioxin concentrations over the second five year review period. The sample preparation method for the analysis of dioxin was changed in 2001 and over the last several years dioxin concentrations have increased or fluctuated significantly in some wells. This report documents that the variability of dioxin concentration was related the change in the analytical procedure.

Title: 2010-2011 Annual Cost Estimate
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&enforcement_id=60253428
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 8/30/2010
Comments: The estimate for DTSC's oversight costs for the fiscal year 2010-2011 is $9,866.00.

Title: Remedial Investigation Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=5012571
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Remedial Investigation Report
Date Completed: 5/19/1989

Comments: PCP and tetrachlorophenol (TeCP), pesticides, dioxins and furans were detected in soils and groundwater.

Title: Preliminary Assessment Report
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Preliminary Assessment Report
Date Completed: 2/21/1984
Comments: Completed PA. As part of site invetigation, pentachlorophenol (PCP), organochlorine pesticides and solvents were discovered in soil and groundwater.

Title: Remedial or Removal Design
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=5012568
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Design/Implementation Workplan
Date Completed: 4/3/1995
Comments: Final design documents for remedial action approved. The final remedy required a multimedia cap, a high-density polyethylene cutoff wall around the entire boundary and a well skimmer to remove petroleum product.

Title: 5 Year Review Reports
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=5012369
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: 5 Year Review Reports
Date Completed: 10/19/2001
Comments: Completed Five-Year Review. Soil and groundwater continue to be protective of human health and environment. Groundwater results have either become stable or decreased.

Title: Workplan for Well Replacements
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01510021&doc_id=60252952
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Well Installation Workplan
Date Completed: 4/5/2011
Comments: The workplan involved replacement of monitoring wells that were previously installed improperly.

130	1 of 1	SE	0.77 / 4,047.29	16.78 / -21	EKOTEK LUBE 4200 ALAMEDA AVENUE OAKLAND CA 94601	ENVIROSTOR

Estor/EPA ID: 01290024
Site Code:
Nat Priority List: NO
Acres: NONE SPECIFIED
Special Program:
Funding:
Assembly District: 18
Senate District: 09
School District:
APN: 33-2203-4-2
Cleanup Status: REFER: RWQCB AS OF 7/1/1994
Cleanup Oversight Agencies: NONE SPECIFIED
Site Type: * HISTORICAL
Office: CLEANUP BERKELEY
Past Use that Caused Contam: NONE SPECIFIED
Potential Media Affected: NONE SPECIFIED
Potential Contamin of Concern:

NONE SPECIFIED

Permit Renewal Lead:
Project Manager:
Supervisor:
Public Partici Spclst:
Census Tract: 6001406100
County: ALAMEDA
Latitude: 37.7684084185107
Longitude: -122.221869822253

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Site History:

Status: REFER: RWQCB
Program Type: HISTORICAL
CalEnviroScreen Score: 86-90%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01290024

131	1 of 2	SE	0.78 / 4,092.28	24.34 / -13	CLOROX COMPANY 850 42ND AVENUE OAKLAND CA 94601	ENVIROSTOR

Estor/EPA ID: 01280083
Site Code: 200020
Nat Priority List: NO
Acres: 2 ACRES
Special Program:
Funding: RESPONSIBLE PARTY
Assembly District: 18
Senate District: 09
School District:
Permit Renewal Lead:
Project Manager: CLAUDE JEMISON
Supervisor: MARK PIROS
Public Partici Spclst:
Census Tract: 6001406100
County: ALAMEDA
Latitude: 37.7699155744118
Longitude: -122.219146074875
APN: 033-2171-001-01
Cleanup Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY AS OF 12/13/1995
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM;RWQCB 2 - SAN FRANCISCO BAY - LEAD AGENCY
Site Type: STATE RESPONSE OR NPL
Office: CLEANUP BERKELEY
Past Use that Caused Contam: MANUFACTURING - CHEMICALS
Potential Media Affected: OTHER GROUNDWATER AFFECTED (USES OTHER THAN DRINKING WATER), SOIL
Potential Contamin of Concern:

MERCURY AND COMPOUNDS

Site History:

The Clorox Oakland plant produced liquid bleach from 1919 to 1981. Elemental mercury was used in the process until 1957 and the facility shutdown operations in 1992. Investigations in the 1980s found mercury in shallow soils and groundwater. Soils were excavated, treated with thermal treatment system, and backfilled. A groundwater extraction system to remove mercury in groundwater operated until 1997 and now the site is under operation and maintenance, and a groundwater monitoring program. Clorox signed a Deed of Restrictions in 1987, restricting property to commercial/industrial development. The Site is currently used by Sitcom, Inc., for its office and warehouses and groundwater monitoring is overseen by the Regional Water Quality Control Board.

Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY - LAND USE RESTRICTIONS
Program Type: STATE RESPONSE
CalEnviroScreen Score: 86-90%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01280083

Land Use Restrictions

Site Management Requirements: DAY CARE CENTER PROHIBITED
HOSPITAL USE PROHIBITED
NO EXCAVATION OF CONTAMINATED SOILS WITHOUT AGENCY REVIEW AND APPROVAL
PUBLIC OR PRIVATE SCHOOL FOR PERSONS UNDER 21 PROHIBITED
RESIDENCE USE PROHIBITED
Title: Deed Restriction / Land Use Covenant
Title Link: http://www.envirostor.dtsc.ca.gov/public/view_document?docurl=/public/deliverable_documents/1210188738/SMBR%5FDEED%5F01280083%2Epdf
Date Recorded: 1/13/1987

Completed Activities

Title: Email
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01280083&enforcement_id=60428715
Area Name:
Area Link:
Sub Area:

Sub Area Link:
Document Type: Correspondence
Date Completed: 6/1/2017
Comments:

Title: Land Use Restriction Monitoring Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01280083&enforcement_id=60195047
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: * Land Use Restriction Monitoring Report
Date Completed: 11/25/2013
Comments: An annual inspection was performed to verify compliance with the deed restrictions that are in place for the Site and a report documenting the inspection was submitted to DTSC. The Site continues to meet the land use restrictions.

Title: Land Use Restriction Monitoring Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01280083&doc_id=60397113
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Land Use Restriction Monitoring Report
Date Completed: 4/28/2017
Comments:

Title: 2006 DTSC Annual Inspection Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01280083&enforcement_id=6009819
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Land Use Restriction - Site Inspection/Visit
Date Completed: 9/14/2006
Comments:

Title: 5 Year Review Reports
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01280083&doc_id=5014076
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: 5 Year Review Reports
Date Completed: 1/5/1996
Comments: Completed Five-Year Review. The site has been in operation and maintenance under the SF Regional Water Quality Control Board (RWQCB) oversight. In October 1995, Clorox requested a containment zone designation for the Site that would allow the cessation of groundwater extraction and treatment. In its request to the RWQCB, Clorox proposed additional removal and treatment of contaminated soil and installation of monitoring wells. The RWQCB approved Clorox's proposal on December 13, 1995. Groundwater monitoring is ongoing at the Site.

Title: Remedial Action Order
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01280083&enforcement_id=5014080
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Date Completed: 10/16/1986
Comments:

Title: RWQCB Notice of Violation
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01280083&doc_id=60261112
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: *Correspondence - Received
Date Completed: 12/30/2010

Comments: Letters received on Dec. 9, 2010, and Dec. 30, 2010.

Title: Land Use Restriction Monitoring Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01280083&doc_id=60397115
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Land Use Restriction Monitoring Report
Date Completed: 3/27/2018
Comments: The Land Use Covenant Annual Inspection Report provides documentation of an inspection that was performed on March 19, 2018. The Site continues to be in compliance with the restrictions and conditions of the Deed of Restriction on Real Property, dated January 13, 1987.

Title: 2010 DTSC Annual Site Inspection
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01280083&enforcement_id=6013743
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Land Use Restriction - Site Inspection/Visit
Date Completed: 6/16/2010
Comments:

Title: 2007 DTSC Annual Inspection Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01280083&enforcement_id=6009958
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Land Use Restriction - Site Inspection/Visit
Date Completed: 11/26/2007
Comments: 2007 site inspection report completed and signed.

Title: Remedial Action Plan
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01280083&doc_id=5014081
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Remedial Action Plan
Date Completed: 1/29/1987
Comments:

Title: Certification
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01280083&enforcement_id=5014077
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Certification
Date Completed: 6/30/1988
Comments: Certified Site.

Title: Remedial Investigation / Feasibility Study
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Remedial Investigation / Feasibility Study
Date Completed: 10/30/1985
Comments: Completed RIFS. Site investigations detected mercury in both the upper soils and shallow groundwater.

Title: Alternative Remedial Action Plan
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01280083&doc_id=60262425
Area Name:
Area Link:
Sub Area:

Sub Area Link:
Document Type: Remedial Action Plan
Date Completed: 10/19/1995
Comments:

Title: Deed Restriction / Land Use Covenant
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01280083&enforcement_id=5014075
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Land Use Restriction
Date Completed: 1/13/1987
Comments: Recorded Deed Restriction limiting site to commercial/industrial uses. The site has a cap that will require annual inspections.

Title: Land Use Restriction Monitoring Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01280083&doc_id=60389452
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Land Use Restriction Monitoring Report
Date Completed: 7/30/2015
Comments: URS performed an annual site inspection on behalf of Clorox Company to verify compliance with the restrictions and requirements of the Deed of Restrictions on Real Property that was recorded for the Site in January 1987. A report documenting the observations of the site inspection was submitted to DTSC. The current site use continues to be in compliance with restrictions and requirements of the Deed of Restrictions on Real Property.

Title: 2008 DTSC Annual Site Inspection
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01280083&enforcement_id=6012396
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Land Use Restriction - Site Inspection/Visit
Date Completed: 3/26/2009
Comments: DTSC conducted its annual inspection of the Site. Some minor cracking was observed on the concrete floor of the warehouse however, the concrete covering the previously-excavated area appeared to be in reasonably good condition. Based on a walkthrough of the Site, there was no evidence of any activities prohibited by the Deed Restriction. Monitoring well 46 was observed to be damaged.

Title: Remedial Action Completion
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Remedial Action Completion Report
Date Completed: 10/30/1987
Comments:

Title: Land Use Restriction Monitoring Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01280083&doc_id=60389450
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Land Use Restriction Monitoring Report
Date Completed: 7/12/2016
Comments:

Title: Annual Cost Estimate 2010-2011
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01280083&enforcement_id=60257309
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate

Date Completed: 10/6/2010
Comments:

Title: Remedial or Removal Design
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Design/Implementation Workplan
Date Completed: 6/30/1987
Comments: Completed Design consisting of a groundwater extraction and treatment system.

131	2 of 2	SE	0.78 / 4,092.28	24.34 / -13	CLOROX COMPANY 850 42ND AVENUE OAKLAND CA 94601	RESPONSE

Estor/EPA ID: 01280083
Site Code: 200020
Nat Priority List: NO
Acres: 2 ACRES
Special Program:
Funding: RESPONSIBLE PARTY
Assembly District: 18
Senate District: 09
School District:
Permit Renewal Lead:
Project Manager: CLAUDE JEMISON
Supervisor: MARK PIROS
Public Partici Spclst:
Census Tract: 6001406100
County: ALAMEDA
Latitude: 37.7699155744118
Longitude: -122.219146074875
APN: 033-2171-001-01
Cleanup Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY AS OF 12/13/1995
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM;RWQCB 2 - SAN FRANCISCO BAY - LEAD AGENCY
Site Type: STATE RESPONSE OR NPL
Office: CLEANUP BERKELEY
Past Use that Caused Contam: MANUFACTURING - CHEMICALS
Potential Media Affected: OTHER GROUNDWATER AFFECTED (USES OTHER THAN DRINKING WATER), SOIL
Potential Contamin of Concern:

MERCURY AND COMPOUNDS

Site History:

The Clorox Oakland plant produced liquid bleach from 1919 to 1981. Elemental mercury was used in the process until 1957 and the facility shutdown operations in 1992. Investigations in the 1980s found mercury in shallow soils and groundwater. Soils were excavated, treated with thermal treatment system, and backfilled. A groundwater extraction system to remove mercury in groundwater operated until 1997 and now the site is under operation and maintenance, and a groundwater monitoring program. Clorox signed a Deed of Restrictions in 1987, restricting property to commercial/industrial development. The Site is currently used by Sitcom, Inc., for its office and warehouses and groundwater monitoring is overseen by the Regional Water Quality Control Board.

Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY - LAND USE RESTRICTIONS
Program Type: STATE RESPONSE
CalEnviroScreen Score: 86-90%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01280083

Land Use Restrictions

Site Management Requirements:
DAY CARE CENTER PROHIBITED
HOSPITAL USE PROHIBITED
NO EXCAVATION OF CONTAMINATED SOILS WITHOUT AGENCY REVIEW AND APPROVAL
PUBLIC OR PRIVATE SCHOOL FOR PERSONS UNDER 21 PROHIBITED
RESIDENCE USE PROHIBITED
Title: Deed Restriction / Land Use Covenant
Title Link: http://www.envirostor.dtsc.ca.gov/public/view_document?docurl=/public/deliverable_documents/1210188738/SMBR%5FDEED%5F01280083%2Epdf
Date Recorded: 1/13/1987

Completed Activities

Title: Land Use Restriction Monitoring Report

Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01280083&doc_id=60389450
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Land Use Restriction Monitoring Report
Date Completed: 7/12/2016
Comments:

Title: Remedial Action Order
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01280083&enforcement_id=5014080
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Date Completed: 10/16/1986
Comments:

Title: Email
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01280083&enforcement_id=60428715
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Correspondence
Date Completed: 6/1/2017
Comments:

Title: Remedial or Removal Design
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Design/Implementation Workplan
Date Completed: 6/30/1987
Comments: Completed Design consisting of a groundwater extraction and treatment system.

Title: 2010 DTSC Annual Site Inspection
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01280083&enforcement_id=6013743
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Land Use Restriction - Site Inspection/Visit
Date Completed: 6/16/2010
Comments:

Title: Land Use Restriction Monitoring Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01280083&doc_id=60397115
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Land Use Restriction Monitoring Report
Date Completed: 3/27/2018
Comments: The Land Use Covenant Annual Inspection Report provides documentation of an inspection that was performed on March 19, 2018. The Site continues to be in compliance with the restrictions and conditions of the Deed of Restriction on Real Property, dated January 13, 1987.

Title: Land Use Restriction Monitoring Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01280083&doc_id=60397113
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Land Use Restriction Monitoring Report
Date Completed: 4/28/2017

Comments:

Title: Annual Cost Estimate 2010-2011
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01280083&enforcement_id=60257309
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 10/6/2010
Comments:

Title: Remedial Action Plan
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01280083&doc_id=5014081
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Remedial Action Plan
Date Completed: 1/29/1987
Comments:

Title: RWQCB Notice of Violation
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01280083&doc_id=60261112
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: *Correspondence - Received
Date Completed: 12/30/2010
Comments: Letters received on Dec. 9, 2010, and Dec. 30, 2010.

Title: Remedial Investigation / Feasibility Study
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Remedial Investigation / Feasibility Study
Date Completed: 10/30/1985
Comments: Completed RIFS. Site investigations detected mercury in both the upper soils and shallow groundwater.

Title: 2007 DTSC Annual Inspection Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01280083&enforcement_id=6009958
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Land Use Restriction - Site Inspection/Visit
Date Completed: 11/26/2007
Comments: 2007 site inspection report completed and signed.

Title: 2008 DTSC Annual Site Inspection
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01280083&enforcement_id=6012396
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Land Use Restriction - Site Inspection/Visit
Date Completed: 3/26/2009
Comments: DTSC conducted its annual inspection of the Site. Some minor cracking was observed on the concrete floor of the warehouse however, the concrete covering the previously-excavated area appeared to be in reasonably good condition. Based on a walkthrough of the Site, there was no evidence of any activities prohibited by the Deed Restriction. Monitoring well 46 was observed to be damaged.

Title: Land Use Restriction Monitoring Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01280083&doc_id=60389452
Area Name:
Area Link:

Sub Area:
Sub Area Link:
Document Type: Land Use Restriction Monitoring Report
Date Completed: 7/30/2015
Comments: URS performed an annual site inspection on behalf of Clorox Company to verify compliance with the restrictions and requirements of the Deed of Restrictions on Real Property that was recorded for the Site in January 1987. A report documenting the observations of the site inspection was submitted to DTSC. The current site use continues to be in compliance with restrictions and requirements of the Deed of Restrictions on Real Property.

Title: Certification
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01280083&enforcement_id=5014077
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Certification
Date Completed: 6/30/1988
Comments: Certified Site.

Title: Remedial Action Completion
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Remedial Action Completion Report
Date Completed: 10/30/1987
Comments:

Title: Deed Restriction / Land Use Covenant
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01280083&enforcement_id=5014075
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Land Use Restriction
Date Completed: 1/13/1987
Comments: Recorded Deed Restriction limiting site to commercial/industrial uses. The site has a cap that will require annual inspections.

Title: Alternative Remedial Action Plan
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01280083&doc_id=60262425
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Remedial Action Plan
Date Completed: 10/19/1995
Comments:

Title: 5 Year Review Reports
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01280083&doc_id=5014076
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: 5 Year Review Reports
Date Completed: 1/5/1996
Comments: Completed Five-Year Review. The site has been in operation and maintenance under the SF Regional Water Quality Control Board (RWQCB) oversight. In October 1995, Clorox requested a containment zone designation for the Site that would allow the cessation of groundwater extraction and treatment. In its request to the RWQCB, Clorox proposed additional removal and treatment of contaminated soil and installation of monitoring wells. The RWQCB approved Clorox's proposal on December 13, 1995. Groundwater monitoring is ongoing at the Site.

Title: 2006 DTSC Annual Inspection Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01280083&enforcement_id=6009819
Area Name:
Area Link:
Sub Area:

Sub Area Link:
Document Type: Land Use Restriction - Site Inspection/Visit
Date Completed: 9/14/2006
Comments:

Title: Land Use Restriction Monitoring Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01280083&enforcement_id=60195047
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: * Land Use Restriction Monitoring Report
Date Completed: 11/25/2013
Comments: An annual inspection was performed to verify compliance with the deed restrictions that are in place for the Site and a report documenting the inspection was submitted to DTSC. The Site continues to meet the land use restrictions.

132	1 of 4	SE	0.80 / 4,203.28	26.91 / -11	ELMHURST PROJECT SITE ELMHURST STREET/92ND AVENUE/F STREET OAKLAND CA 94603	ENVIROSTOR

Estor/EPA ID: 01990024
Site Code: 204051
Nat Priority List: NO
Acres: 20 ACRES
Special Program:
Funding: SCHOOL DISTRICT
Assembly District: 18
Senate District: 09
Permit Renewal Lead:
Project Manager:
Supervisor: JUAN KOPONEN
Public Partici Spclst:
Census Tract: 6001406100
County: ALAMEDA
Latitude: 37.770517928875
Longitude: -122.218252980169
School District: OAKLAND UNIFIED SCHOOL DISTRICT
APN: NONE SPECIFIED
Cleanup Status: INACTIVE - NEEDS EVALUATION AS OF 5/19/2005
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY
Site Type: SCHOOL
Office: NORTHERN CALIFORNIA SCHOOLS & SANTA SUSANA
Past Use that Caused Contam: UNKNOWN
Potential Media Affected: NONE SPECIFIED
Potential Contamin of Concern:

NONE SPECIFIED

Site History:

A 20 acre site that consists of residential and commercial/industrial parcels. This Site is designated to be an Elementary/Middle School Complex.

Status: INACTIVE - NEEDS EVALUATION
Program Type: SCHOOL EVALUATION
CalEnviroScreen Score: 86-90%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01990024

Currently Scheduled Activities

Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Phase 1
Due Date: 5/23/2017
Revised Date:

Completed Activities

Title: Environmental Oversight Agreement
Title Link:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Environmental Oversight Agreement
Date Completed: 2/9/2001
Comments:

132	2 of 4	SE	0.80 / 4,203.28	26.91 / -11	FOOTHILL CAR WASH 955 HIGH STREET OAKLAND CA 94601	ENVIROSTOR

Estor/EPA ID: 01750035
Site Code: 204074
Nat Priority List: NO
Acres: .45 ACRES
Special Program:
Funding: SCHOOL DISTRICT
Assembly District: 18
Senate District: 09
Permit Renewal Lead:
Project Manager:
Supervisor: CHARLES RIDENOUR
Public Partici Spclst:
Census Tract: 6001406100
County: ALAMEDA
Latitude: 37.770517928875
Longitude: -122.218252980169
School District: OAKLAND UNIFIED SCHOOL DISTRICT
APN: 33-2165-2-1
Cleanup Status: NO ACTION REQUIRED AS OF 4/23/2001
Cleanup Oversight Agencies: DTSC - LEAD AGENCY
Site Type: SCHOOL
Office: NORTHERN CALIFORNIA SCHOOLS & SANTA SUSANA
Past Use that Caused Contam: VEHICLE MAINTENANCE
Potential Media Affected: NO MEDIA AFFECTED
Potential Contamin of Concern:

NO CONTAMINANTS FOUND

Site History:

0.45-Acre site was last used as a self-serve car wash which is currently closed. Historically, site was vacant from at least 1925 until the late 1940's. Small retail store occupied the site until 1968 when the car wash facility was developed.

Status: NO ACTION REQUIRED
Program Type: SCHOOL EVALUATION
CalEnviroScreen Score: 86-90%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01750035

Completed Activities

Title: Phase 1
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01750035&doc_id=6000087
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Phase 1
Date Completed: 4/23/2001
Comments:

132	3 of 4	SE	0.80 / 4,203.28	26.91 / -11	ELMHURST PROJECT SITE ELMHURST STREET/92ND AVENUE/F STREET OAKLAND CA 94603	SCH

Estor/EPA ID: 01990024
Site Code: 204051
Nat Priority List: NO
Acres: 20 ACRES
Special Program:
Funding: SCHOOL DISTRICT
Assembly District: 18
Permit Renewal Lead:
Project Manager:
Supervisor: JUAN KOPONEN
Public Partici Spclst:
Census Tract: 6001406100
County: ALAMEDA
Latitude: 37.770517928875

Senate District: 09 **Longitude:** -122.218252980169
School District: OAKLAND UNIFIED SCHOOL DISTRICT
APN: NONE SPECIFIED
Cleanup Status: INACTIVE - NEEDS EVALUATION AS OF 5/19/2005
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY
Site Type: SCHOOL
Office: NORTHERN CALIFORNIA SCHOOLS & SANTA SUSANA
Past Use that Caused Contam: UNKNOWN
Potential Media Affected: NONE SPECIFIED
Potential Contamin of Concern:

NONE SPECIFIED

SITE HISTORY:

A 20 acre site that consists of residential and commercial/industrial parcels. This Site is designated to be an Elementary/Middle School Complex.

Status: INACTIVE - NEEDS EVALUATION
Program Type: SCHOOL EVALUATION
CalEnviroScreen Score: 86-90%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01990024

Currently Scheduled Activities

Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Phase 1
Due Date: 5/23/2017
Revised Date:

Completed Activities

Title: Environmental Oversight Agreement
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Environmental Oversight Agreement
Date Completed: 2/9/2001
Comments:

132	4 of 4	SE	0.80 / 4,203.28	26.91 / -11	FOOTHILL CAR WASH 955 HIGH STREET OAKLAND CA 94601	SCH

Estor/EPA ID: 01750035 **Permit Renewal Lead:**
Site Code: 204074 **Project Manager:**
Nat Priority List: NO **Supervisor:** CHARLES RIDENOUR
Acres: .45 ACRES **Public Partici Spclst:**
Special Program: **Census Tract:** 6001406100
Funding: SCHOOL DISTRICT **County:** ALAMEDA
Assembly District: 18 **Latitude:** 37.770517928875
Senate District: 09 **Longitude:** -122.218252980169
School District: OAKLAND UNIFIED SCHOOL DISTRICT
APN: 33-2165-2-1
Cleanup Status: NO ACTION REQUIRED AS OF 4/23/2001
Cleanup Oversight Agencies: DTSC - LEAD AGENCY
Site Type: SCHOOL
Office: NORTHERN CALIFORNIA SCHOOLS & SANTA SUSANA
Past Use that Caused Contam: VEHICLE MAINTENANCE
Potential Media Affected: NO MEDIA AFFECTED
SITE HISTORY:

0.45-Acre site was last used as a self-serve car wash which is currently closed. Historically, site was vacant from at least 1925 until the late 1940's. Small retail store occupied the site until 1968 when the car wash facility was developed.

Potential Contamin of Concern:

NO CONTAMINANTS FOUND

Status: NO ACTION REQUIRED
Program Type: SCHOOL EVALUATION
CalEnviroScreen Score: 86-90%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01750035

Completed Activities

Title: Phase 1
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01750035&doc_id=6000087
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Phase 1
Date Completed: 4/23/2001
Comments:

133	1 of 1	SSE	0.82 / 4,325.74	13.92 / -24	BIG B LUMBERTERIA 301/411 HIGH STREET OAKLAND CA 94601	ENVIROSTOR

Estor/EPA ID: 01240034
Site Code:
Nat Priority List: NO
Acres: NONE SPECIFIED
Special Program:
Funding:
Assembly District: 18
Senate District: 09
School District:
APN: NONE SPECIFIED
Cleanup Status: REFER: RWQCB AS OF 6/8/1994
Cleanup Oversight Agencies: NONE SPECIFIED
Site Type: * HISTORICAL
Office: CLEANUP BERKELEY
Past Use that Caused Contam: NONE SPECIFIED
Potential Media Affected: NONE SPECIFIED
Potential Contamin of Concern:

Permit Renewal Lead:
Project Manager:
Supervisor:
Public Partici Spclst:
Census Tract: 6001406100
County: ALAMEDA
Latitude: 37.766621
Longitude: -122.224034

HALOGENATED ORGANIC COMPOUNDS, HYDROCARBON SOLVENTS

Site History:

Status: REFER: RWQCB
Program Type: HISTORICAL
CalEnviroScreen Score: 86-90%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01240034

Completed Activities

Title: Site Screening
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Screening

Date Completed: 4/5/1990
Comments: ON CORTESE LIST SAMPLE RESULTS PRELIMINARY SOIL & GROUNDWATER SAMPLES RESULTS INDICATE SOIL & GROUNDWATER CONTAMINATION WITH TOLUENE (24 PPM SOIL, 1.7 PPM WATER), BENZENE (0.7 PPM WATER), XYLENE (3.7 PPM WATER), 1,1 DICHLOROETH- ANE (0.1 PPM WATER) & NEPHTALENE (29 PPM SOIL). NEIGHBORING PROPERTIES: UNOCAL CHEM AT 401 HIGH STREET AND THE LEARNER CHEM AT 3675 ALAMEDA STREET ALSO HAVE SOIL AND GROUND WATER CONTAMINATION. SITE SCREENING DONE PENDING: SF BAY RWQCB WILL ISSUE CLEAN- UP & ABATEMENT ORDERS TO ALL 3 SITES

Title: Site Screening
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Screening
Date Completed: 5/6/1991
Comments: SF RWQCB has issued a CAO #90-133 for properties at 301, 411 & 401 High Street, Oakland. The 411 High Street site was formerly an ARCO Products Company bulk transfer facility for petroleum products. The 301 High Street site was formerly used by ARCO for equipment maintenance & storage. The property at 301 & 411 is currently owned by Koch Trust and is currently occupied by Big B Lumberteria. The property at 401 High St is currently owned and operated by Unocal Chemical Division as a bulk chemical transfer facility. In June 1983, approx 23,000 gallons of toluene was spilled during rail car off loading on a rail spur located along the northern part of Unocal facility.

134	1 of 1	SW	0.85 / 4,488.40	20.55 / -17	NIRS ALAMEDA FORGE (J09CA0069) ALAMEDA CA	ENVIROSTOR

Estor/EPA ID: 80000048
Site Code:
Nat Priority List: NO
Acres: 40 ACRES
Special Program:
Funding: DERA
Assembly District: 18
Senate District: 09
School District:
Permit Renewal Lead:
Project Manager:
Supervisor: CARRIE TATOIAN-CAIN
Public Partici Spclst:
Census Tract: 6001427200
County: ALAMEDA
Latitude: 37.7702777777778
Longitude: -122.242222222222
APN: NONE SPECIFIED
Cleanup Status: NO FURTHER ACTION AS OF 9/6/2012
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY
Site Type: FUDS
Office: CLEANUP SACRAMENTO
Past Use that Caused Contam: NONE SPECIFIED
Potential Media Affected: NONE SPECIFIED
Potential Contamin of Concern:

NONE SPECIFIED

Site History:

Status: NO FURTHER ACTION
Program Type: MILITARY EVALUATION
CalEnviroScreen Score: 66-70%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=80000048

Completed Activities

Title: No Department of Defense Action Indicated - Naval Industrial Forge Plant - J09CA0069
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=80000048&doc_id=60304219
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: No Department of Defense Action Indicated (NDAI)
Date Completed: 2/29/2012

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Comments: No further action based on the information provided in NDAI. If future information indicates a release by the Department of Defense the Department will investigate the property again. General Engineering and Drydock is a duplicate of this site.

135	1 of 2	WSW	0.87 / 4,617.63	17.84 / -20	ALAMEDA, NAVAL AND MARINE RESERVE CENTER 2144 CLEMENT AVENUE ALAMEDA CA 94501	ENVIROSTOR

Estor/EPA ID:	71000003	**Permit Renewal Lead:**	
Site Code:	201109	**Project Manager:**	
Nat Priority List:	NO	**Supervisor:**	
Acres:	5 ACRES	**Public Partici Spclst:**	
Special Program:		**Census Tract:**	6001427200
Funding:	DERA	**County:**	ALAMEDA
Assembly District:	18	**Latitude:**	37.77222
Senate District:	09	**Longitude:**	-122.2442
School District:			

APN: NONE SPECIFIED
Cleanup Status: REFER: RWQCB AS OF 5/20/2012
Cleanup Oversight Agencies: RWQCB 2 - SAN FRANCISCO BAY - LEAD AGENCY
Site Type: OPEN BASE
Office: CLEANUP SACRAMENTO
Past Use that Caused Contam: DRY DOCKS, FUEL - VEHICLE STORAGE/ REFUELING, PORT
Potential Media Affected: OTHER GROUNDWATER AFFECTED (USES OTHER THAN DRINKING WATER), SOIL
Potential Contamin of Concern:

LEAD, TPH-DIESEL, TPH-GAS

Site History:

The site currently occupied by the Naval and Marine Corps Reserves (NMCRC) was undeveloped until approximately 1900. The marshland tracts constituting the northern portion of the site were filled as part of Oakland Inner Harbor construction work in the area. In 1919, the initial shipyard facility was constructed. The shipyard consisted of a dredged dock extending landward from the shoreline. The dock was initially intended for ship construction, but was never used for that purpose. Rather, the dock may have been used briefly as a coaling station for tugboats.

Hazardous constituents found in the groundwater and soils at the site include gasoline, diesel, lead and other metals.

In August 1942, the U.S. Government condemned several private residential and commercial properties constituting the site so that the land could be used for wartime purposes. All existing buildings were removed for the construction of a Navy shipyard shortly thereafter. Three graving dock basins were dredged and constructed along the shoreline. Dredge spoils were placed between the graving docks to build soil embankments for access roadways.

After the war, the shipyard was mothballed and the site was transferred to the NMCRC for use as a training center. The shipyard itself was mostly unused except for a few training ships which were berthed off the end of the old graving docks. Improvements to the berth area were completed in 1959, and included a boiler house and associated fuel oil UST used to provide steam to the ships.

A new NMCRC campus was built in the old graveled yard area between 1963 and 1966.
During this period, the graving docks were also filled to the margin of the Oakland Inner Harbor. The new campus consisted of the Training Building, which included classrooms, industrial shops and laboratories, and administrative offices; and a vehicle maintenance/firing range building. Between 1996 and 1998, the Training Building Addition and the Vehicle Maintenance Building were built, and the filled dock area was graded and paved for a parking lot.

Status: REFER: RWQCB
Program Type: STATE RESPONSE
CalEnviroScreen Score: 66-70%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=71000003

Completed Activities

Title: Site Assessment Report Naval and Marine Corps Reserve Center, Alameda
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=71000003&doc_id=5007951
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: Preliminary Endangerment Assessment Report

Date Completed: 7/16/2007
Comments: Additional areas on the property were identified for further evaluation.

Title: UST 0001 Northern UST and IRP Site 001
Title Link:
Area Name: SItes WIth No Operable Unit
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=71000003&ou_id=1970327&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 8/1/2012
Comments: Complete.

135	2 of 2	WSW	0.87 / 4,617.63	17.84 / -20	ALAMEDA, NAVAL AND MARINE RESERVE CENTER 2144 CLEMENT AVENUE ALAMEDA CA 94501	RESPONSE

Estor/EPA ID:	71000003	**Permit Renewal Lead:**	
Site Code:	201109	**Project Manager:**	
Nat Priority List:	NO	**Supervisor:**	
Acres:	5 ACRES	**Public Partici Spclst:**	
Special Program:		**Census Tract:**	6001427200
Funding:	DERA	**County:**	ALAMEDA
Assembly District:	18	**Latitude:**	37.77222
Senate District:	09	**Longitude:**	-122.2442
School District:			

APN: NONE SPECIFIED
Cleanup Status: REFER: RWQCB AS OF 5/20/2012
Cleanup Oversight Agencies: RWQCB 2 - SAN FRANCISCO BAY - LEAD AGENCY
Site Type: OPEN BASE
Office: CLEANUP SACRAMENTO
Past Use that Caused Contam: DRY DOCKS, FUEL - VEHICLE STORAGE/ REFUELING, PORT
Potential Media Affected: OTHER GROUNDWATER AFFECTED (USES OTHER THAN DRINKING WATER), SOIL
Potential Contamin of Concern:

LEAD, TPH-DIESEL, TPH-GAS

Site History:

The site currently occupied by the Naval and Marine Corps Reserves (NMCRC) was undeveloped until approximately 1900. The marshland tracts constituting the northern portion of the site were filled as part of Oakland Inner Harbor construction work in the area. In 1919, the initial shipyard facility was constructed. The shipyard consisted of a dredged dock extending landward from the shoreline. The dock was initially intended for ship construction, but was never used for that purpose. Rather, the dock may have been used briefly as a coaling station for tugboats.

Hazardous constituents found in the groundwater and soils at the site include gasoline, diesel, lead and other metals.

In August 1942, the U.S. Government condemned several private residential and commercial properties constituting the site so that the land could be used for wartime purposes. All existing buildings were removed for the construction of a Navy shipyard shortly thereafter. Three graving dock basins were dredged and constructed along the shoreline. Dredge spoils were placed between the graving docks to build soil embankments for access roadways.

After the war, the shipyard was mothballed and the site was transferred to the NMCRC for use as a training center. The shipyard itself was mostly unused except for a few training ships which were berthed off the end of the old graving docks. Improvements to the berth area were completed in 1959, and included a boiler house and associated fuel oil UST used to provide steam to the ships.

A new NMCRC campus was built in the old graveled yard area between 1963 and 1966.
During this period, the graving docks were also filled to the margin of the Oakland Inner Harbor. The new campus consisted of the Training Building, which included classrooms, industrial shops and laboratories, and administrative offices; and a vehicle maintenance/firing range building. Between 1996 and 1998, the Training Building Addition and the Vehicle Maintenance Building were built, and the filled dock area was graded and paved for a parking lot.

Status: REFER: RWQCB
Program Type: STATE RESPONSE
CalEnviroScreen Score: 66-70%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=71000003

Completed Activities

Title: UST 0001 Northern UST and IRP Site 001
Title Link:
Area Name: SItes WIth No Operable Unit
Area Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=71000003&ou_id=1970327&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 8/1/2012
Comments: Complete.

Title: Site Assessment Report Naval and Marine Corps Reserve Center, Alameda
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=71000003&doc_id=5007951
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: Preliminary Endangerment Assessment Report
Date Completed: 7/16/2007
Comments: Additional areas on the property were identified for further evaluation.

136	1 of 1	WSW	0.92 / 4,835.45	16.44 / -21	2100 CLEMENT AVENUE 2100 CLEMENT AVENUE ALAMEDA CA 94501	ENVIROSTOR

Estor/EPA ID: 60002415
Site Code: 202112
Nat Priority List: NO
Acres: 2.8 ACRES
Special Program: VOLUNTARY CLEANUP PROGRAM
Funding: SITE PROPONENT
Assembly District: , 18
Senate District: , 09
School District:
Permit Renewal Lead:
Project Manager:
Supervisor: KAREN TOTH
Public Partici Spclst:
Census Tract: 6001427200
County: ALAMEDA
Latitude: 37.77232
Longitude: -122.245084
APN: 071 022800102
Cleanup Status: NO FURTHER ACTION AS OF 11/7/2016
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY
Site Type: VOLUNTARY CLEANUP
Office: CLEANUP BERKELEY
Past Use that Caused Contam: MANUFACTURING - OTHER, RESIDENTIAL AREA, SHIPYARD - SHIP BUILDING/REPAIR, WAREHOUSING
Potential Media Affected: SOIL, SOIL VAPOR
Potential Contamin of Concern:

TETRACHLOROETHYLENE (PCE), TRICHLOROETHYLENE (TCE)

Site History:

The Site is approximately 2.8 acres in size. The Site is located in an area of mixed commercial and residential develoment, and is bordered by Clement Avene to the northeast, Willow Street to the northwest, and by Eagle Avenue to the southwest. Adjacent properties beyond Eagle Avenue and Willow Street are occupied by single-family residential homes. To the southeast is a football field and track used by Alameda High School (the school itself is located several blocks to the southwest), and the property across Clement Avenue to the northeast is occupied with the U.S. Navy's operational support center. The Navy site appears to consist of offices and warehouse buildings. A warehouse building is located along Clement Avenue adjacent to the southeastern portion of the Site. Directly north of the Site, northwest of the Navy facility, is a parking lot associated with the Alameda Marina. An out-ofservice rail line runs along Clement Avenue. Based on the information available to DTSC and Proponent, the Site is or may be contaminated with hazardous substances, including tetrachloroethene (PCE) and tricholoroethene (TCE).

The Site's commercial buildings have been demolished and the Site has been graded in preparation for redevelopment into residential use. Remedial excavations have been completed in areas where the presence of volatile organic compounds in sub-slab and/or soil vapor could have posed a vapor intrusion risk to future residential receptors. Post-remediation soil and soil gas sampling confirm that the potential risk has been mitigated.

The PEA has determined that no further action is required at the Site to address hazardous substances releases.

Status: NO FURTHER ACTION
Program Type: VOLUNTARY CLEANUP
CalEnviroScreen Score: 66-70%

Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=60002415

Completed Activities

Title: Voluntary Cleanup Agreement
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002415&enforcement_id=60415283
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Voluntary Cleanup Agreement
Date Completed: 9/12/2016
Comments: This Voluntary Cleanup Agreement, executed September 12, 2016 applies to the property located at 2100 Clement Avenue, Alameda, in Alameda County, California 94501 (Site), identified by Alameda County Assessor's Parcel Numbers 71-228-1-2, and any off-site area to which hazardous substances have or may have migrated from the Site.

Title: Oversight Application & Acceptance
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002415&doc_id=60415268
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Application
Date Completed: 8/24/2016
Comments: DTSC was identified as the lead oversight agency for the Site located at 2100 Clement Avenue, Alameda CA 94501. The Application cites sub-slab soil gas PCE and TCE concentrations that exceeded DTSC screening levels and were reportedly mitigated by excavation, as documented in a Preliminary Endangerment Assessment (PEA) to be reviewed by DTSC.

Title: Preliminary Endangerment Assessment Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002415&doc_id=60415891
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Preliminary Endangerment Assessment Report
Date Completed: 11/7/2016
Comments: The Site's commercial buildings have been demolished and the Site has been graded in preparation for redevelopment into residential use. Remedial excavations have been completed in areas where the presence of volatile organic compounds in sub-slab and/or soil vapor could have posed a vapor intrusion risk to future residential receptors. Post-remediation soil and soil gas sampling confirm that the potential risk has been mitigated.

The PEA has determined that no further action is required at the Site to address hazardous substances releases.

Unplottable Summary

Total: 5 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID
ALAMEDA LOP	CALTRANS 29TH ST & MLK	0 29TH ST	OAKLAND CA	94608	820290052
		Status Desc: Leak confirmation,Case transferred, Leak confirmation,Case transferred, Leak confirmation,Case transferred, Leak confirmation,Case transferred			
ALAMEDA LOP	29TH AVENUE	0 29TH AVE	OAKLAND CA	94601-	858239835
		Status Desc: Preliminary site assessment underway			
ALAMEDA LOP	PACIFIC THOMAS CORP	0 29TH AVENUE AVE	OAKLAND CA	94601	858239747
		Status Desc: Pollution characterization			
ALAMEDA LOP	SOUTHERN PACIFIC TRANSPORTATION COMPANY	0 FRUITVALE AVE	OAKLAND CA	94601	820288687
		Status Desc: Leak confirmation,Preliminary site assessment workplan submitted,Preliminary site assessment underway,Pollution characterization,Case closed, Leak confirmation,Preliminary site assessment workplan submitted,Preliminary site assessment underway,Pollution characterization,Case closed, Leak confirmation,Preliminary site assessment workplan submitted,Preliminary site assessment underway,Pollution characterization,Case closed, Leak confirmation,Preliminary site assessment workplan submitted,Preliminary site assessment underway,Pollution characterization,Case closed, Leak confirmation,Preliminary site assessment workplan submitted,Preliminary site assessment underway,Pollution characterization,Case closed, Leak confirmation,Preliminary site assessment workplan submitted,Preliminary site assessment underway,Pollution characterization,Case closed, Leak confirmation,Preliminary site assessment workplan submitted,Preliminary site assessment underway,Pollution characterization,Case closed, Leak confirmation,Preliminary site assessment workplan submitted,Preliminary site assessment underway,Pollution characterization,Case closed, Leak confirmation,Preliminary site assessment workplan submitted,Preliminary site assessment underway,Pollution characterization,Case closed			
ERNS		29TH AVE	OAKLAND CA		819893237

Unplottable Report

Site: ***CALTRANS 29TH ST & MLK***
0 29TH ST OAKLAND CA 94608

ALAMEDA LOP

Record ID:	RO0003089
Alt Record ID:	SD0003082
Program:	LUST
Release Type:	UST
Site Contact:	((RWQCB))
RP Identification Date:	9/8/2010 12:00:00 AM
GIS Latitude:	37.8191413126
GIS Longitude:	-122.273766205
Data Source:	Local Oversight Program Detailed Inventory; Local Oversight Program Inventory

--Details--

Program Element:	5602
Status:	1,11
Status Desc:	Leak confirmation,Case transferred
Substance:	12034
Org Name:	ALAMEDA COUNTY LOP
Description 1:	Leak Confirmation
Description 2:	Not Applicable
Description 3:	Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Description 4:	RP Identified & Solvent
Description 5:	Undetermined affected
Description 6:	Substance released from Underground Storage Tank System

Program Element:	5602
Status:	1,11
Status Desc:	Leak confirmation,Case transferred
Substance:	12034
Org Name:	RWQCB
Description 1:	Case Transferred
Description 2:	Not Applicable
Description 3:	Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Description 4:	RP Identified & Solvent
Description 5:	Undetermined affected
Description 6:	Substance released from Underground Storage Tank System

Program Element:	5602
Status:	1,11
Status Desc:	Leak confirmation,Case transferred
Substance:	12034
Org Name:	ALAMEDA COUNTY LOP
Description 1:	Case Transferred
Description 2:	Not Applicable
Description 3:	Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Description 4:	RP Identified & Solvent
Description 5:	Undetermined affected
Description 6:	Substance released from Underground Storage Tank System

Program Element:	5602
Status:	1,11
Status Desc:	Leak confirmation,Case transferred
Substance:	12034
Org Name:	RWQCB
Description 1:	Leak Confirmation
Description 2:	Not Applicable
Description 3:	Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Description 4:	RP Identified & Solvent
Description 5:	Undetermined affected

Description 6: Substance released from Underground Storage Tank System

---

Site: ***29TH AVENUE***
0 29TH AVE OAKLAND CA 94601-

ALAMEDA LOP

Record ID: RO0003204
Alt Record ID:
Program:
Release Type:
Site Contact: DETTERMAN, KAREL
RP Identification Date:
GIS Latitude:
GIS Longitude:
Data Source: Local Oversight Program Inventory

--Details--
Program Element: 5502
Status: 3B
Status Desc: Preliminary site assessment underway
Substance:
Org Name:
Description 1:
Description 2:
Description 3:
Description 4:
Description 5:
Description 6:

Site: ***PACIFIC THOMAS CORP***
0 29TH AVENUE AVE OAKLAND CA 94601

ALAMEDA LOP

Record ID: RO0002960
Alt Record ID:
Program:
Release Type:
Site Contact: DETTERMAN, KAREL
RP Identification Date:
GIS Latitude:
GIS Longitude:
Data Source: Local Oversight Program Inventory

--Details--
Program Element: 5502
Status: 5C
Status Desc: Pollution characterization
Substance:
Org Name:
Description 1:
Description 2:
Description 3:
Description 4:
Description 5:
Description 6:

Site: ***SOUTHERN PACIFIC TRANSPORTATION COMPANY***
0 FRUITVALE AVE OAKLAND CA 94601

ALAMEDA LOP

Record ID: RO0002756
Alt Record ID: SD0002744
Program: SLIC
Release Type: SPILL
Site Contact: CHAN, BARNEY
RP Identification Date: 7/13/1994 12:00:00 AM
GIS Latitude: 37.7971347354

GIS Longitude: -122.2174191687
Data Source: Local Oversight Program Detailed Inventory; Local Oversight Program Inventory

--Details--
Program Element: 5502
Status: 1,3A,3B,5C,9
Status Desc: Leak confirmation,Preliminary site assessment workplan submitted,Preliminary site assessment underway,Pollution characterization,Case closed
Substance: 12034
Org Name: UNION PACIIFIC RR/SOUTHERN PACIFIC
Description 1: Preliminary Site Assessment Underway
Description 2: Property/Fee Title Owner
Description 3: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from other container to ground or water surface (i.e. truck or boat accident)

Program Element: 5502
Status: 1,3A,3B,5C,9
Status Desc: Leak confirmation,Preliminary site assessment workplan submitted,Preliminary site assessment underway,Pollution characterization,Case closed
Substance: 12034
Org Name: ALAMEDA COUNTY LOP
Description 1: Leak Confirmation
Description 2: Not Applicable
Description 3: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from other container to ground or water surface (i.e. truck or boat accident)

Program Element: 5502
Status: 1,3A,3B,5C,9
Status Desc: Leak confirmation,Preliminary site assessment workplan submitted,Preliminary site assessment underway,Pollution characterization,Case closed
Substance: 12034
Org Name: UNION PACIIFIC RR/SOUTHERN PACIFIC
Description 1: Case Closed
Description 2: Property/Fee Title Owner
Description 3: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from other container to ground or water surface (i.e. truck or boat accident)

Program Element: 5502
Status: 1,3A,3B,5C,9
Status Desc: Leak confirmation,Preliminary site assessment workplan submitted,Preliminary site assessment underway,Pollution characterization,Case closed
Substance: 12034
Org Name: ALAMEDA COUNTY LOP
Description 1: Case Closed
Description 2: Not Applicable
Description 3: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from other container to ground or water surface (i.e. truck or boat accident)

Program Element: 5502
Status: 1,3A,3B,5C,9
Status Desc: Leak confirmation,Preliminary site assessment workplan submitted,Preliminary site assessment underway,Pollution characterization,Case closed
Substance: 12034
Org Name: ALAMEDA COUNTY LOP
Description 1: Preliminary Site Assessment Underway
Description 2: Not Applicable
Description 3: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Substance released from other container to ground or water surface (i.e. truck or boat accident)

Program Element: 5502

Status:	1,3A,3B,5C,9
Status Desc:	Leak confirmation,Preliminary site assessment workplan submitted,Preliminary site assessment underway,Pollution characterization,Case closed
Substance:	12034
Org Name:	ALAMEDA COUNTY LOP
Description 1:	Pollution Characterization
Description 2:	Not Applicable
Description 3:	Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Description 4:	RP Identified & Solvent
Description 5:	Other Groundwater affected (uses other than drinking water)
Description 6:	Substance released from other container to ground or water surface (i.e. truck or boat accident)

Program Element:	5502
Status:	1,3A,3B,5C,9
Status Desc:	Leak confirmation,Preliminary site assessment workplan submitted,Preliminary site assessment underway,Pollution characterization,Case closed
Substance:	12034
Org Name:	UNION PACIIFIC RR/SOUTHERN PACIFIC
Description 1:	Leak Confirmation
Description 2:	Property/Fee Title Owner
Description 3:	Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Description 4:	RP Identified & Solvent
Description 5:	Other Groundwater affected (uses other than drinking water)
Description 6:	Substance released from other container to ground or water surface (i.e. truck or boat accident)

Program Element:	5502
Status:	1,3A,3B,5C,9
Status Desc:	Leak confirmation,Preliminary site assessment workplan submitted,Preliminary site assessment underway,Pollution characterization,Case closed
Substance:	12034
Org Name:	UNION PACIIFIC RR/SOUTHERN PACIFIC
Description 1:	Preliminary Site Assessment Workplan Submitted
Description 2:	Property/Fee Title Owner
Description 3:	Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Description 4:	RP Identified & Solvent
Description 5:	Other Groundwater affected (uses other than drinking water)
Description 6:	Substance released from other container to ground or water surface (i.e. truck or boat accident)

Program Element:	5502
Status:	1,3A,3B,5C,9
Status Desc:	Leak confirmation,Preliminary site assessment workplan submitted,Preliminary site assessment underway,Pollution characterization,Case closed
Substance:	12034
Org Name:	UNION PACIIFIC RR/SOUTHERN PACIFIC
Description 1:	Pollution Characterization
Description 2:	Property/Fee Title Owner
Description 3:	Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Description 4:	RP Identified & Solvent
Description 5:	Other Groundwater affected (uses other than drinking water)
Description 6:	Substance released from other container to ground or water surface (i.e. truck or boat accident)

Program Element:	5502
Status:	1,3A,3B,5C,9
Status Desc:	Leak confirmation,Preliminary site assessment workplan submitted,Preliminary site assessment underway,Pollution characterization,Case closed
Substance:	12034
Org Name:	ALAMEDA COUNTY LOP
Description 1:	Preliminary Site Assessment Workplan Submitted
Description 2:	Not Applicable
Description 3:	Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Description 4:	RP Identified & Solvent
Description 5:	Other Groundwater affected (uses other than drinking water)
Description 6:	Substance released from other container to ground or water surface (i.e. truck or boat accident)

Site:

29TH AVE OAKLAND CA

ERNS

NRC Report No:	1054310	***Latitude Degrees:***	
Type of Incident:	RAILROAD NON-RELEASE	***Latitude Minutes:***	

Incident Cause:	TRESPASSER	***Latitude Seconds:***	
Incident Date:	7/18/2013 11:23:00 AM	***Longitude Degrees:***	
Incident Location:		***Longitude Minutes:***	
Incident Dtg:	OCCURRED	***Longitude Seconds:***	
Distance from City:		***Lat Quad:***	
Distance Units:		***Long Quad:***	
Potential Flag:	No	***Location Section:***	
Year:	Year 2013 Reports	***Location Township:***	
Direction from City:		***Location Range:***	
Location County:	ALAMEDA		

Description of Incident: CALLER IS REPORTING THAT A PASSENGER TRAIN STRUCK A TRESPASSER. THE PERSON WAS INJURED AND TAKEN TO A HOSPITAL.

Calls Information

Date Time Received:	7/18/2013 3:38:29 PM	***Responsible City:***	
Date Time Complete:	7/18/2013 3:43:27 PM	***Responsible State:***	XX
Call Type:	INC	***Responsible Zip:***	
Resp Company:		***Source:***	TELEPHONE
Resp Org Type:	UNKNOWN		

Incident Information

Tank ID:		***Building ID:***	
Tank Regulated:	U	***Location Area ID:***	
Tank Regulated By:		***Location Block ID:***	
Capacity of Tank:		***OCSG No:***	
Capacity Tank Units:		***OCSP No:***	
Description of Tank:		***State Lease No:***	
Actual Amount:		***Pier Dock No:***	
Actual Amount Units:		***Berth Slip No:***	
Tank Above Ground:	ABOVE	***Brake Failure:***	N
NPDES:		***Airbag Deployed:***	U
NPDES Compliance:	U	***Transport Contain:***	U
Init Contin Rel No:		***Location Subdiv:***	NILES
Contin Rel Permit:		***Platform Rig Name:***	
Contin Release Type:		***Platform Letter:***	
Aircraft ID:		***Allision:***	N
Aircraft Runway No:		***Type of Structure:***	
Aircraft Spot No:		***Structure Name:***	
Aircraft Type:		***Structure Oper:***	U
Aircraft Model:		***Transit Bus Flag:***	
Aircraft Fuel Cap:		***Date Time Norm Serv:***	
Aircraft Fuel Cap U:		***Serv Disrupt Time:***	
Aircraft Fuel on Brd:		***Serv Disrupt Units:***	
Aircraft Fuel OB U:		***CR Begin Date:***	
Aircraft Hanger:		***CR End Date:***	
Road Mile Marker:		***CR Change Date:***	
Power Gen Facility:	U	***FBI Contact:***	
Generating Capacity:		***FBI Contact Dt Tm:***	
Type of Fixed Obj:		***Passenger Handling:***	
Type of Fuel:		***Passenger Route:***	YES
DOT Crossing No:		***Passenger Delay:***	NO
DOT Regulated:	U	***Sub Part C Test Req:***	NO
Pipeline Type:		***Conductor Test:***	
Pipeline Abv Ground:	ABOVE	***Engineer Test:***	
Pipeline Covered:	U	***Trainman Test:***	
Exposed Underwater:	N	***Yard Foreman Test:***	
Railroad Hotline:		***RCL Operator Test:***	
Railroad Milepost:	9.5	***Brakeman Test:***	
Grade Crossing:	N	***Train Dispat Test:***	
Crossing Device Ty:		***Signalman Test:***	
Ty Vehicle Involved:		***Oth Employee Test:***	
Device Operational:	Y	***Unknown Test:***	

Incident Details Information

Release Secured:	U	***State Agen Report No:***	

Release Rate:	
Release Rate Unit:	
Release Rate Rate:	
Est Duration of Rel:	
Desc Remedial Act:	INVESTIGATION UNDERWAY.
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	
Who Evacuated:	
Radius of Evacu:	
Any Injuries:	Y
No. Injured:	1
No. Hospitalized:	1
No. Fatalities:	
Any Fatalities:	N
Any Damages:	N
Damage Amount:	
Air Corridor Closed:	N
Air Corridor Desc:	
Air Closure Time:	
Waterway Closed:	N
Waterway Desc:	
Waterway Close Time:	
Road Closed:	N
Road Desc:	
Road Closure Time:	
Road Closure Units:	
Closure Direction:	
Major Artery:	No
Track Closed:	N
Track Desc:	
Track Closure Time:	
Track Closure Units:	
Track Close Dir:	
Media Interest:	UNKNOWN
Medium Desc:	RAIL REPORT (N/A)
Addl Medium Info:	

State Agen on Scene:	PD
State Agen Notified:	PD
Fed Agency Notified:	
Oth Agency Notified:	
Body of Water:	
Tributary of:	
Near River Mile Make:	
Near River Mile Mark:	
Offshore:	N
Weather Conditions:	SUNNY
Air Temperature:	68
Wind Direction:	
Wind Speed:	
Wind Speed Unit:	
Water Supp Contam:	U
Water Temperature:	
Wave Condition:	
Current Speed:	
Current Direction:	
Current Speed Unit:	
EMPL Fatality:	
Pass Fatality:	
Community Impact:	
Passengers Transfer:	NO
Passenger Injuries:	
Employee Injuries:	
Occupant Fatality:	
Sheen Size:	
Sheen Size Units:	
Sheen Size Length:	
Sheen Size Length U:	
Sheen Size Width:	
Sheen Size Width U:	
Sheen Color:	
Dir of Sheen Travel:	
Sheen Odor Desc:	
Duration Unit:	
Additional Info:	

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ERIS updates databases as set out in ASTM Standard E1527-13, Section 8.1.8 Sources of Standard Source Information:

"Government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public."

Standard Environmental Record Sources

Federal

National Priority List: NPL

National Priorities List (Superfund)-NPL: EPA's (United States Environmental Protection Agency) list of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. The NPL, which EPA is required to update at least once a year, is based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action.

Government Publication Date: Apr 11, 2019

National Priority List - Proposed: PROPOSED NPL

Includes sites proposed (by the EPA, the state, or concerned citizens) for addition to the NPL due to contamination by hazardous waste and identified by the Environmental Protection Agency (EPA) as a candidate for cleanup because it poses a risk to human health and/or the environment.

Government Publication Date: Apr 11, 2019

Deleted NPL: DELETED NPL

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.

Government Publication Date: Apr 11, 2019

SEMS List 8R Active Site Inventory: SEMS

The Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted.

Government Publication Date: Apr 11, 2019

Inventory of Open Dumps, June 1985: ODI

The Resource Conservation and Recovery Act (RCRA) provides for publication of an inventory of open dumps. The Act defines "open dumps" as facilities which do not comply with EPA's "Criteria for Classification of Solid Waste Disposal Facilities and Practices" (40 CFR 257).

Government Publication Date: Jun 1985

SEMS List 8R Archive Sites: SEMS ARCHIVE

The Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time.

Government Publication Date: Apr 11, 2019

Comprehensive Environmental Response, Compensation and Liability Information System - CERCLIS: CERCLIS

Superfund is a program administered by the United States Environmental Protection Agency (EPA) to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The EPA administers the Superfund program in cooperation with individual states and tribal governments; this database is made available by the EPA.

Government Publication Date: Oct 25, 2013

EPA Report on the Status of Open Dumps on Indian Lands: IODI

Public Law 103-399, The Indian Lands Open Dump Cleanup Act of 1994, enacted October 22, 1994, identified congressional concerns that solid waste open dump sites located on American Indian or Alaska Native (AI/AN) lands threaten the health and safety of residents of those lands and contiguous areas. The purpose of the Act is to identify the location of open dumps on Indian lands, assess the relative health and environment hazards posed by those sites, and provide financial and technical assistance to Indian tribal governments to close such dumps in compliance with Federal standards and regulations or standards promulgated by Indian Tribal governments or Alaska Native entities.

Government Publication Date: Dec 31, 1998

CERCLIS - No Further Remedial Action Planned: CERCLIS NFRAP

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means 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 this site on the National Priorities List (NPL). This 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 a potential NPL site.

Government Publication Date: Oct 25, 2013

CERCLIS Liens: CERCLIS LIENS

A Federal Superfund lien exists at any property where EPA has incurred Superfund costs to address contamination ("Superfund site") and has provided notice of liability to the property owner. A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Jan 30, 2014

RCRA CORRACTS-Corrective Action: RCRA CORRACTS

RCRA Info 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. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

Government Publication Date: Mar 4, 2019

RCRA non-CORRACTS TSD Facilities: RCRA TSD

RCRA Info 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. This database includes Non-Corrective Action sites listed as treatment, storage and/or disposal facilities of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

Government Publication Date: Mar 4, 2019

RCRA Generator List: RCRA LQG

RCRA Info 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. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste.

Government Publication Date: Mar 4, 2019

RCRA Small Quantity Generators List: RCRA SQG

RCRA Info is the 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. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month.

Government Publication Date: Mar 4, 2019

RCRA Conditionally Exempt Small Quantity Generators List: RCRA CESQG

RCRA Info is the 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. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Conditionally Exempt Small Quantity Generators (CESQG) generate 100 kilograms or less per month of hazardous waste or one kilogram or less per month of acutely hazardous waste.

Government Publication Date: Mar 4, 2019

RCRA Non-Generators: RCRA NON GEN

RCRA Info 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. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

Government Publication Date: Mar 4, 2019

Federal Engineering Controls-ECs: FED ENG

Engineering controls (ECs) encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Sep 20, 2018

Federal Institutional Controls- ICs: FED INST

Institutional controls are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's (United States Environmental Protection Agency) expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site.

Government Publication Date: Sep 20, 2018

Emergency Response Notification System: ERNS 1982 TO 1986

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1982-1986

Emergency Response Notification System: ERNS 1987 TO 1989

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1987-1989

Emergency Response Notification System: ERNS

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Mar 21, 2019

The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database: FED BROWNFIELDS

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 protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Jan 11, 2019

FEMA Underground Storage Tank Listing: FEMA UST

The Federal Emergency Management Agency (FEMA) of the Department of Homeland Security maintains a list of FEMA owned underground storage tanks.

Government Publication Date: Dec 31, 2017

LIEN on Property: SEMS LIEN

The EPA Superfund Enterprise Management System (SEMS) provides LIEN information on properties under the EPA Superfund Program.

Government Publication Date: Apr 11, 2019

Superfund Decision Documents: SUPERFUND ROD

This database contains a listing of decision documents for Superfund sites. Decision documents serve to provide the reasoning for the choice of (or) changes to a Superfund Site cleanup plan. The decision documents include Records of Decision (ROD), ROD Amendments, Explanations of Significant Differences (ESD), along with other associated memos and files. This information is maintained and made available by the US EPA (Environmental Protection Agency).

Government Publication Date: Apr 11, 2019

State

State Response Sites: RESPONSE

A list of identified confirmed release sites where the Department of Toxic Substances Control (DTSC) is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk. This database is state equivalent NPL.

Government Publication Date: Mar 11, 2019

EnviroStor Database: ENVIROSTOR

The EnviroStor Data Management System is made available by the Department of Toxic Substances Control (DTSC). Includes Corrective Action sites, Tiered Permit sites, Historical Sites and Evaluation/Investigation sites. This database is state equivalent CERCLIS.

Government Publication Date: Mar 11, 2019

Delisted State Response Sites: DELISTED ENVS

Sites removed from the list of State Response Sites made available by the EnviroStor Data Management System, Department of Toxic Substances Control (DTSC).

Government Publication Date: Mar 11, 2019

Solid Waste Information System (SWIS): SWF/LF

The Solid Waste Information System (SWIS) database made available by the Department of Resources Recycling and Recovery (CalRecycle) contains information on solid waste facilities, operations, and disposal sites throughout the State of California. The types of facilities found in this database include landfills, transfer stations, material recovery facilities, composting sites, transformation facilities, waste tire sites, and closed disposal sites.

Government Publication Date: May 13, 2019

EnviroStor Hazardous Waste Facilities: HWP

A list of hazardous waste facilities including permitted, post-closure and historical facilities found in the Department of Toxic Substances Control (DTSC) EnviroStor database.

Government Publication Date: Mar 11, 2019

Land Disposal Sites: LDS

Land Disposal Sites in GeoTracker, the State Water Resources Control Board (SWRCB)'s data management system. The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units. Waste management units include waste piles, surface impoundments, and landfills.

Government Publication Date: Nov 30, 2018

Sites Listed in the Solid Waste Assessment Test (SWAT) Program Report: SWAT

In a 1993 Memorandum of Understanding, the State Water Resources Control Board (SWRCB) agreed to submit a comprehensive report on the Solid Waste Assessment Test (SWAT) Program to the California Integrated Waste Management Board (CIWMB). This report summarizes the work completed to date on the SWAT Program, and addresses both the impacts that leakage from solid waste disposal sites (SWDS) may have upon waters of the State and the actions taken to address such leakage.

Government Publication Date: Dec 31, 1995

Leaking Underground Fuel Tank Reports: LUST

List of Leaking Underground Storage Tanks within the Cleanup Sites data in GeoTracker database. GeoTracker is the State Water Resources Control Board's (SWRCB) data management system for managing sites that impact groundwater, especially those that require groundwater cleanup (Underground Storage Tanks, Department of Defense and Site Cleanup Program) as well as permitted facilities such as operating Underground Storage Tanks. The Leak Prevention Program that overlooks LUST sites is the SWRCB in California's Environmental Protection Agency.

Government Publication Date: Apr 10, 2019

Delisted Leaking Storage Tanks: DELISTED LST

List of Leaking Underground Storage Tanks (LUST) cleanup sites removed from GeoTracker, the State Water Resources Control Board (SWRCB)'s database system, as well as sites removed from the SWRCB's list of UST Case closures.

Government Publication Date: Apr 10, 2019

Permitted Underground Storage Tank (UST) in GeoTracker: UST

List of Permitted Underground Storage Tank (UST) sites made available by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency (EPA).

Government Publication Date: May 1, 2019

Solid Waste Disposal Sites with Waste Constituents Above Hazardous Waste Levels: SWRCB SWF

This is a list of solid waste disposal sites identified by California State Water Resources Control Board with waste constituents above hazardous waste levels outside the waste management unit.

Government Publication Date: Sep 20, 2006

Proposed Closure of Underground Storage Tank Cases: UST CLOSURE

List of UST cases that are being considered for closure by either the California Environmental Protection Agency, State Water Resources Control Board or the Executive Director that have been posted for a 60-day public comment period.

Government Publication Date: Mar 11, 2019

Historical Hazardous Substance Storage Information Database: HHSS

The Historical Hazardous Substance Storage database contains information collected in the 1980s from facilities that stored hazardous substances. The information was originally collected on paper forms, was later transferred to microfiche, and recently indexed as a searchable database. When using this database, please be aware that it is based upon self-reported information submitted by facilities which has not been independently verified. It is unlikely that every facility responded to the survey and the database should not be expected to be a complete inventory of all facilities that were operating at that time. This database is maintained by the California State Water Resources Control Board's (SWRCB) Geotracker.

Government Publication Date: Aug 27, 2015

Aboveground Storage Tanks: AST

A statewide list from 2009 of aboveground storage tanks (ASTs) made available by the Cal FIRE Office of the State Fire Marshal (OSFM). This list is no longer maintained or updated by the Cal FIRE OSFM.

Government Publication Date: Aug 31, 2009

Delisted Storage Tanks: DELISTED TNK

This database contains a list of storage tank sites that were removed by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency (EPA) and the Cal FIRE Office of State Fire Marshal (OSFM).

Government Publication Date: May 1, 2019

California Environmental Reporting System (CERS) Tanks: CERS TANK

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. The CalEPA oversees the statewide implementation of the Unified Program which applies regulatory standards to protect Californians from hazardous waste and materials.

Government Publication Date: May 6, 2019

Site Mitigation and Brownfields Reuse Program Facility Sites with Land Use Restrictions: LUR

The Department of Toxic Substances Control (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 land use restrictions that are active. Some sites have multiple land use restrictions.

Government Publication Date: Mar 11, 2019

Hazardous Waste Management Program Facility Sites with Deed / Land Use Restrictions: HLUR

The Department of Toxic Substances Control (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.

Government Publication Date: Apr 17, 2019

Deed Restrictions and Land Use Restrictions: DEED

List of Deed Restrictions, Land Use Restrictions and Covenants in GeoTracker made available by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency. A deed restriction (land use covenant) may be required to facilitate the remediation of past environmental contamination and to protect human health and the environment by reducing the risk of exposure to residual hazardous materials.

Government Publication Date: Nov 30, 2018

Voluntary Cleanup Program: VCP

List of sites in the Voluntary Cleanup Program made available by the Department of Toxic Substances and Control (DTSC). The Voluntary Cleanup Program was designed to respond to lower priority sites. Under the Voluntary Cleanup Program, DTSC enters site-specific agreements with project proponents for DTSC oversight of site assessment, investigation, and/or removal or remediation activities, and the project proponents agree to pay DTSC's reasonable costs for those services.

Government Publication Date: Mar 11, 2019

GeoTracker Cleanup Program Sites: CLEANUP SITES

A list of Cleanup Program sites in the state of California made available by The State Water Resources Control Board (SWRCB) of the California Environmental Protection Agency (EPA). SWRCB tracks leaking underground storage tank cleanups as well as other water board cleanups.

Government Publication Date: Apr 17, 2019

Delisted California Environmental Reporting System (CERS) Tanks: DELISTED CTNK

This database contains a list of Aboveground Petroleum Storage and Underground Storage Tank sites that were removed from in the California Environmental Protection Agency (CalEPA) Regulated Site Portal.

Government Publication Date: May 6, 2019

Historical Hazardous Substance Storage Container Information - Facility Summary: HIST TANK

The State Water Resources Control Board maintained the Hazardous Substance Storage Containers listing and inventory in th 1980s. This facility summary lists historic tank sites where the following container types were present: farm motor vehicle fuel tanks; waste tanks; sumps; pits, ponds, lagoons, and others; and all other product tanks. This set, published in May 1988, lists facility and owner information, as well as the number of containers. This data is historic and will not be updated.

Government Publication Date: May 27, 1988

Tribal

Leaking Underground Storage Tanks (LUSTs) on Indian Lands: INDIAN LUST

LUSTs on Tribal/Indian Lands in Region 9, which includes California.

Government Publication Date: Dec 31, 2017

Underground Storage Tanks (USTs) on Indian Lands: INDIAN UST

USTs on Tribal/Indian Lands in Region 9, which includes California.

Government Publication Date: Dec 31, 2017

Delisted Tribal Leaking Storage Tanks: DELISTED ILST

Leaking Underground Storage Tank facilities which have been removed from the Regional Tribal LUST lists made available by the EPA.

Government Publication Date: Oct 14, 2017

Delisted Tribal Underground Storage Tanks: DELISTED IUST

Underground Storage Tank facilities which have been removed from the Regional Tribal UST lists made available by the EPA.

Government Publication Date: Oct 14, 2017

County

Alameda County - City of Berkeley CUPA Facilities: BERKELEY CUPA

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs at the City of Berkeley in Alameda County. This list is maintained by the Toxics Management Division at the City of Berkeley.

Government Publication Date: Mar 21, 2019

Alameda County - Hayward City CUPA List: HAYWARD CUPA

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in Hayward City. This list is maintained by the Hayward City Fire Department.

Government Publication Date: Feb 25, 2019

Alameda County - San Leandro City CUPA Facilities List: SANLEANDRO CUPA

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in San Leandro City, Alameda County. This list is made available by San Leandro City Environmental Services Section.

Government Publication Date: Apr 11, 2019

Alameda County - Union City USTs: UNION UST

A list of Underground Storage Tanks (USTs) in the city of Union in Alameda County. This data is made available by the Environmental Programs Division of Economic & Community Development, Union City.

Government Publication Date: Mar 31, 2019

Alameda County - Union City CERS CUPA List: UNION CUPA

A list of CERS registered facilities associated with various Certified Unified Program Agency (CUPA) programs in the City of Union. This list is made available by the City of Union Economic and Community Development Department.

Government Publication Date: Mar 31, 2019

Alameda County - Union City CUPA Facilities: UNION CUPA

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in the City of Union. Includes facilities with active and inactive statuses. This list is made available by the City of Union Economic and Community Development Department.

Government Publication Date: Mar 31, 2019

Alameda County - LOP Sites List: ALAMEDA LOP

List of sites in the Alameda County Department of Environmental Health's (ACDEH) Local Oversight Program (LOP). The ACDEH LOP program oversees the investigation and cleanup of hazardous materials releases to the environment under two programs. The Leaking Underground Fuel Tank (LUFT) program is specific to unauthorized releases associated with petroleum underground storage tank systems. The Site Cleanup Program (SCP) oversees the investigation and cleanup of releases from hazardous materials, including but not limited to releases of pesticides, heavy metals, dry cleaner solvents, etc., including redevelopment of sites with residual contamination from historic uses.

Government Publication Date: Jan 16, 2019

Alameda County - UST List: UST ALAMEDA

A list of all registered Underground Storage Tanks (USTs) in the County of Alameda. The list is made available by Alameda County Department of Environmental Health.

Government Publication Date: Apr 10, 2019

Delisted County Records: DELISTED COUNTY

Records removed from county or CUPA databases. Records may be removed from the county lists made available by the respective county departments because they are inactive, or because they have been deemed to be below reportable thresholds.

Government Publication Date: May 22, 2019

Orange County - Anaheim City UST Cleanup Cases: UST CLEANUP

A list of UST Cleanup Cases in the City of Anaheim in Orange County. As part of its Groundwater Protection Program, the City of Anaheim managed the UST Cleanup Oversight Program from April 1991 to June 2014. This list is published by the City of Anaheim Underground Storage Tank Cleanup Program.

Government Publication Date: May 26, 2015

San Francisco County - Maher Ordinance: MAHER SF

List of development projects that are located on sites with known or suspected soil and/or groundwater contamination are subject to the provisions of Health Code Article 22A, which is administered by the San Francisco County Department of Public Health (DPH).

Government Publication Date: Apr 17, 2019

Alameda County - City of Livermore and Pleasanton CUPA Facilities: LIVERMORE CUPA

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in City of Livermore and City of Pleasanton in Alameda County. This list is maintained by the Livermore-Pleasanton Fire Department.
Government Publication Date: Aug 28, 2018

Alameda County - City of Livermore and Pleasanton UST List: LIVERMORE UST
A list of registered Underground Storage Tank (UST) in City of Livermore and City of Pleasanton, Alameda County. This list is maintained by the Livermore-Pleasanton Fire Department.
Government Publication Date: Aug 28, 2018

Alameda County - City of Livermore and Pleasanton AST List: LIVERMORE AST
A list of registered Aboveground Storage Tank (AST) in City of Livermore and City of Pleasanton, Alameda County. This list is maintained by the Livermore-Pleasanton Fire Department.
Government Publication Date: Aug 28, 2018

Additional Environmental Record Sources

Federal

Facility Registry Service/Facility Index: FINDS/FRS
The US Environmental Protection Agency (EPA)'s Facility Registry System (FRS) is a centrally managed database that identifies facilities, sites or places subject to environmental regulations or of environmental interest. FRS creates high-quality, accurate, and authoritative facility identification records through rigorous verification and management procedures that incorporate information from program national systems, state master facility records, data collected from EPA's Central Data Exchange registrations and data management personnel.
Government Publication Date: Jan 30, 2019

Toxics Release Inventory (TRI) Program: TRIS
The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment.
Government Publication Date: Dec 31, 2017

Hazardous Materials Information Reporting System: HMIRS
US DOT - Department of Transportation Pipeline and Hazardous Materials Safety Administration (PHMSA) Incidents Reports Database taken from Hazmat Intelligence Portal, U.S. Department of Transportation.
Government Publication Date: Jan 8, 2019

National Clandestine Drug Labs: NCDL
The U.S. Department of Justice ("the Department") provides this data 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.
Government Publication Date: Jul 18, 2018

Toxic Substances Control Act: TSCA
The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.
The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI).
Government Publication Date: Jun 30, 2017

Hist TSCA: HIST TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.
The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.
Government Publication Date: Dec 31, 2006

FTTS Administrative Case Listing: FTTS ADMIN
An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.
Government Publication Date: Jan 19, 2007

FTTS Inspection Case Listing: FTTS INSP
An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.
Government Publication Date: Jan 19, 2007

Potentially Responsible Parties List: PRP
Early in the cleanup process, the Environmental Protection Agency (EPA) conducts a search to find the potentially responsible parties (PRPs). EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site.
Government Publication Date: Dec 20, 2018

State Coalition for Remediation of Drycleaners Listing: SCRD DRYCLEANER
The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.
Government Publication Date: Nov 08, 2017

Integrated Compliance Information System (ICIS): ICIS
The Integrated Compliance Information System (ICIS) is a system that provides information for the Federal Enforcement and Compliance (FE&C) and the National Pollutant Discharge Elimination System (NPDES) programs. The FE&C component supports the Environmental Protection Agency's (EPA) Civil Enforcement and Compliance program activities. These activities include Compliance Assistance, Compliance Monitoring and Enforcement. The NPDES program supports tracking of NPDES permits, limits, discharge monitoring data and other program reports.
Government Publication Date: Nov 18, 2016

Drycleaner Facilities: FED DRYCLEANERS
A list of drycleaner facilities from the Integrated Compliance Information System (ICIS). The Environmental Protection Agency (EPA) tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.
Government Publication Date: May 29, 2018

Delisted Drycleaner Facilities: DELISTED FED DRY
List of sites removed from the list of Drycleaner Facilities (sites in the EPA's Integrated Compliance Information System (ICIS) with NAIC or SIC codes identifying the business as a drycleaner establishment).
Government Publication Date: May 29, 2018

Formerly Used Defense Sites: FUDS
Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DoD) is responsible for an environmental restoration. This list is published by the U.S. Army Corps of Engineers.
Government Publication Date: Oct 23, 2018

Material Licensing Tracking System (MLTS): MLTS
A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC. As of September 2016, the NRC no longer releases location information for sites. Site locations were last received in July 2016.

Government Publication Date: Nov 1, 2018

Historic Material Licensing Tracking System (MLTS) sites: HIST MLTS

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.

Government Publication Date: Jan 31, 2010

Mines Master Index File: MINES

The Master Index File (MIF) contains mine identification numbers issued by the Department of Labor Mine Safety and Health Administration (MSHA) for mines active or opened since 1971. Note that addresses may or may not correspond with the physical location of the mine itself.

Government Publication Date: Nov 30, 2018

Alternative Fueling Stations: ALT FUELS

List of alternative fueling stations made available by the US Department of Energy's Office of Energy Efficiency & Renewable Energy. Includes Biodiesel stations, Ethanol (E85) stations, Liquefied Petroleum Gas (Propane) stations, Ethanol (E85) stations, Natural Gas stations, Hydrogen stations, and Electric Vehicle Supply Equipment (EVSE). The National Renewable Energy Laboratory (NREL) obtains information about new stations from trade media, Clean Cities coordinators, a Submit New Station form on the Station Locator website, and through collaborating with infrastructure equipment and fuel providers, original equipment manufacturers (OEMs), and industry groups.

Government Publication Date: Apr 8, 2019

Registered Pesticide Establishments: SSTS

List of active EPA-registered foreign and domestic pesticide-producing and device-producing establishments based on data from the Section Seven Tracking System (SSTS). The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 7 requires that facilities producing pesticides, active ingredients, or devices be registered. The list of establishments is made available by the EPA.

Government Publication Date: Sep 1, 2018

Polychlorinated Biphenyl (PCB) Notifiers: PCB

Facilities included in the national list of facilities that have notified the United States Environmental Protection Agency (EPA) of Polychlorinated Biphenyl (PCB) activities. Any company or person storing, transporting or disposing of PCBs or conducting PCB research and development must notify the EPA and receive an identification number.

Government Publication Date: Mar 20, 2019

State

Dry Cleaning Facilities: DRYCLEANERS

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial, linen supply, commercial laundry, dry cleaning and pressing machines - Coin Operated Laundry and Dry Cleaning. This is provided by the Department of Toxic Substance Control.

Government Publication Date: Apr 16, 2019

Delisted Drycleaners: DELISTED DRYCLEANERS

Sites removed from the list of drycleaner related facilities that have EPA ID numbers, made available by the California Department of Toxic Substance Control.

Government Publication Date: Apr 16, 2019

Non-Toxic Dry Cleaning Incentive Program: DRYC GRANT

A list of grant recipients of the Non-Toxic Dry Cleaning Incentive Program made available by the California Air Resources Board (CARB). The program provides grants to eligible dry cleaning businesses to assist them in transitioning away from PERC machines to alternative non-toxic and non-smog forming technologies.

Government Publication Date: Feb 28, 2018

Hazardous Waste and Substances Site List - Site Cleanup: HWSS CLEANUP

The Hazardous Waste and Substances Sites (Cortese) List is a planning document used by the State, local agencies and developers to comply with the California Environmental Quality Act requirements in providing information about the location of hazardous materials release sites. This list is published by California Department of Toxic Substance Control.

Government Publication Date: Apr 23, 2019

List of Hazardous Waste Facilities Subject to Corrective Action: DTSC HWF

This is a list of hazardous waste facilities identified in Health and Safety Code (HSC) § 25187.5. These facilities are those where Department of Toxic Substances Control (DTSC) has taken or contracted for corrective action because a facility owner/operator has failed to comply with a date for taking corrective action in an order issued under HSC § 25187, or because DTSC determined that immediate corrective action was necessary to abate an imminent or substantial endangerment.

Government Publication Date: Jul 18, 2016

EnviroStor Inspection, Compliance, and Enforcement: INSP COMP ENF

A list of permitted facilities with inspections and enforcements tracked in the Department of Toxic Substance Control (DTSC) EnviroStor.

Government Publication Date: Apr 19, 2019

School Property Evaluation Program Sites: SCH

A list of sites registered with The Department of Toxic Substances Control (DTSC) School Property Evaluation and Cleanup (SPEC) Division. SPEC is responsible for assessing, investigating and cleaning up proposed school sites. The Division ensures that selected properties are free of contamination or, if the properties were previously contaminated, that they have been cleaned up to a level that protects the students and staff who will occupy the new school.

Government Publication Date: Mar 11, 2019

California Hazardous Material Incident Report System (CHMIRS): CHMIRS

A list of reported hazardous material incidents, spills, and releases from the California Hazardous Material Incident Report System (CHMIRS). This list has been made available by the California Office of Emergency Services (OES).

Government Publication Date: Apr 2, 2019

Hazardous Waste Manifest Data: HAZNET

A list of hazardous waste manifests received each year by Department of Toxic Substances Control (DTSC). The volume of manifests is typically 900,000 - 1,000,000 annually, representing approximately 450,000 - 500,000 shipments.

Government Publication Date: Oct 24, 2016

Historical California Hazardous Material Incident Report System (CHMIRS): HIST CHMIRS

A list of reported hazardous material incidents, spills, and releases from the California Hazardous Material Incident Report System (CHMIRS) prior to 1993. This list has been made available by the California Office of Emergency Services (OES).

Government Publication Date: Jan 1, 1993

Historical Hazardous Waste Manifest Data: HIST MANIFEST

A list of historic hazardous waste manifests received by the Department of Toxic Substances Control (DTSC) from year the 1980 to 1992. The volume of manifests is typically 900,000 - 1,000,000 annually, representing approximately 450,000 - 500,000 shipments.

Government Publication Date: Dec 31, 1992

Historical Cortese List: HIST CORTESE

List of sites which were once included on the Cortese list. The Hazardous Waste and Substances Sites (Cortese) List is a planning document used by the State, local agencies and developers to comply with the California Environmental Quality Act requirements for providing information about the location of hazardous sites.

Government Publication Date: Nov 13, 2008

Cease and Desist Orders and Cleanup and Abatement Orders: CDO/CAO

The California Environment Protection Agency "Cortese List" of active Cease and Desist Orders (CDO) and Cleanup and Abatement Orders (CAO). This list contains many CDOs and CAOs that do NOT concern the discharge of wastes that are hazardous materials. Many of the listed orders concern, as examples, discharges of domestic sewage, food processing wastes, or sediment that do not contain hazardous materials, but the Water Boards' database does not distinguish between these types of orders.

Government Publication Date: Feb 16, 2012

California Environmental Reporting System (CERS) Hazardous Waste Sites: CERS HAZ

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the following regulatory programs: Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, RCRA LQ HW Generator. The CalEPA oversees the statewide implementation of the Unified Program which applies regulatory standards to protect Californians from hazardous waste and materials.

Government Publication Date: May 6, 2019

Delisted Environmental Reporting System (CERS) Hazardous Waste Sites: DELISTED HAZ

This database contains a list of sites that were removed from the California Environmental Protection Agency (CalEPA) in the following regulatory programs: Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, RCRA LQ HW Generator.

Government Publication Date: Nov 29, 2018

Sites in GeoTracker: GEOTRACKER

GeoTracker is the State Water Resource Control Boards' data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater. This is a list of sites in GeoTracker that aren't otherwise categorized as LUST, Land Disposal Sites (LDS), Cleanup Sites, or sites having Waste Discharge Requirements (WDR). This listing includes program types such as Underground Injection Control (UIC), Confined Animal Facilities (CAF), Irrigated Lands Regulatory Program, plans, and non-case information.

Government Publication Date: Apr 17, 2019

Waste Discharge Requirements: WASTE DISCHG

List of sites in California State Water Resources Control Board (SWRCB) Waste Discharge Requirements (WDRs) Program in California, made available by the SWRCB via GeoTracker. The WDR program regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Government Publication Date: Nov 30, 2018

Toxic Pollutant Emissions Facilities: EMISSIONS

A list of criteria and toxic pollutant emissions data for facilities in California made available by the California Environmental Protection Agency - Air Resources Board (ARB). Risk data may be based on previous inventory submittals. The toxics data are submitted to the ARB by the local air districts as requirement of the Air Toxics "Hot Spots" Program. This program requires emission inventory updates every four years.

Government Publication Date: Dec 31, 2016

Clandestine Drug Lab Sites: CDL

The Department of Toxic Substances Control (DTSC) maintains a listing of drug lab sites. DTSC is responsible for removal and disposal of hazardous substances discovered by law enforcement officials while investigating illegal/clandestine drug laboratories.

Government Publication Date: Dec 31, 2017

Tribal

No Tribal additional environmental record sources available for this State.

County

No County additional environmental databases were selected to be included in the search.

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

APPENDIX E

SITE ASSESSMENT CHECKLIST AND ASTM TRANSACTION SCREEN AND ENVIRONMENTAL SITE ASSESSMENT QUESTIONNAIRE

SITE RECONNAISSANCE CHECKLIST

Site visit 6/6/19

Site:	0 29th Avenue and 2901 E 12th Street, Oakland
Inspector:	Daniel Siegel
Non Facility Visitors:	Weather Conditions:
1. Topography / Fill Areas:	flat site. in flat area, very slight slope to west
2. Soil Geology	fill on fine grained alluvial
3. Groundwater	estimated 10-20 feet
4. Vegetation	tall weeds, especially on northwest end
5. Wetlands	none
6. Drainage (describe below)	
a) Building	no building
b) Site	infiltration on site (mostly unpaved)
c) Regional	westward toward SF Bay
7. Utilities	
a) Public	☐ Drinking Water ☐ Electric ☐ Storm ☐ Waste Water Sewer ☐ Heating / Nat. Gas
b) Private (identify)	
8. Evidence of Contamination ; Note environmental features (e.g. asbestos, sloppy housekeeping, hazardous chemicals, storage areas, containment structures)	

9. Building Information								
a) General								
Building number:	no building - approx 1/3 at SE has concrete building slab							
Age:	N/A							
Construction:	N/A							
Type	N/A							
Features:								
b) Building Interior								
Odors:	none							
Spillage	none							
Potential Asbestos	none							
Housekeeping								
c) Building Exterior								
Condition								
No. of transformers	none							

Area(s) of stained soil	none			
Area(s) of stressed vegetation	none			
Qty of USTs	0	Age		Size
Qty of ASTs	0	Age		Size

10. Storage Area(s) Condition						
Qty of Drums	0	Type				
Qty of Gas Cylinders	0	Type				
Waste Removal Storage Containers			Quantity		Type	
Debris	no active waste generation or removal		Quantity		Type	

Signature: Daniel Siegel

Date: Site visit 6/6/19

Site Address: 2901 E 12th st Oakland and 0 24th Avenue

Person Interviewed/Title:

ASTM Transaction Screen and Environmental Site Assessment Questionnaire

	Owner	Occupants	Observed during site visit
1. Is the property or any adjoining site used for an industrial use?	Yes No Unk	Yes No Unk	Yes (No) Unk
2. To the best of your knowledge, has the property or any adjoining site been used for an industrial use?	Yes No Unk	Yes No Unk	Yes (No) Unk
3. Is the property or any adjoining site used for a gasoline station, motor repair, commercial printing, dry cleaning, photo processing, junkyard, landfill, or waste storage, disposal, processing or recycling?	Yes No Unk	Yes No Unk	Yes (No) Unk
4. To the best of your knowledge, has the Property or any adjoining site been used for a gasoline station, motor repair, commercial printing, dry cleaning, photo processing, junkyard or for waste storage, disposal, processing or recycling?	Yes No Unk	Yes No Unk	(Yes) No Unk Former gas station at NW end of property.
5. Are there, or has there been to the best of your knowledge, discarded batteries or pesticides, paints, or other chemicals in more than 5 gallon containers or 50 gallons in total stored or used at the Property?	Yes No Unk	Yes No Unk	Yes (No) Unk
6. Are there, or has there been to the best of your knowledge, any industrial drums (usually 55 gallon) or sacks of chemicals on the Property	Yes No Unk	Yes No Unk	Yes (No) Unk
7. Are there, or has there been to the best of your knowledge, any fill dirt from a contaminated or unknown site put on the property	Yes No Unk	Yes No Unk	Yes (No) Unk
8. Are there, or has there been to the best of your knowledge, any pits, ponds or lagoons on the Property in connection with waste treatment or disposal?	Yes No Unk	Yes No Unk	Yes (No) Unk
9. Is there, or has there been to the best of your knowledge, any stained soil or ground on the property?	Yes No Unk	Yes No Unk	Yes (No) Unk

return to:
510.886.5399 - fax
or
info@eras.biz

Site Address: site visit 6/6/19 (XD) 2901 E 12th St, Oakland and 0 29th Avenue

	Owner	Occupants	Observed during site visit
10. Are there, or has there been to the best of your knowledge any registered or unregistered underground (UST) or above ground (AST) storage tanks on the property?	Yes No Unk	Yes No Unk	Yes No Unk (Yes circled) — former gas station
11. Are there, or has there been to the best of your knowledge, any vent pipes, fill pipes or access ways indicating a fill pipe on the Property?	Yes No Unk	Yes No Unk	Yes No Unk (No circled)
12. Are there, or has there been to the best of your knowledge, any flooring, drains, or walls on the Property that are stained by substances other than water or are emitting foul odors?	Yes No Unk	Yes No Unk	Yes No Unk (No circled)
13. If the Property is served by a non public water system, is there any indication that the water supply was contaminated or were contaminants identified that exceeded guidelines.	Yes No Unk	Yes No Unk	N/A Yes No Unk
14. Does the owner or occupant have knowledge of liens or governmental notification relating to violations of environmental law	Yes No Unk	Yes No Unk	Yes No Unk
15. Does the owner or occupant have knowledge of the current or past presence o f hazardous substances or petroleum products on the Property?	Yes No Unk	Yes No Unk	Yes No Unk
16. Does the owner or occupant have knowledge of any environmental site assessment that indicated the presence of contamination or recommended further assessment	Yes No Unk	Yes No Unk	Yes No Unk
17. Does the owner or occupant have knowledge of past, threatened or pending lawsuits regarding a release of any hazardous release of any hazardous substance on the Property.	Yes No Unk	Yes No Unk	Yes No Unk
18. Does the Property discharge waste water, other than storm or sanitary water into sewer?	Yes No Unk	Yes No Unk	Yes No Unk (No circled)
19. Is there any evidence to the best of your knowledge that hazardous substances, tires, batteries or other waste materials have been dumped, buried, or burned on the Property.	Yes No Unk	Yes No Unk	Yes No Unk (No circled)
20. Is there a transformer, capacitor or other hydraulic equipment for which there are records indicating the presence of PCB's.	Yes No Unk	Yes No Unk	Yes No Unk (No circled)

return to:
510.886.5399 - fax
or
info@eras.biz

From: mdn2inc
To: Carolyn Choy
Cc: Fabiola Harvey
Subject: Re: Phase I questionnaire
Date: Tuesday, June 11, 2019 4:36:58 PM

Hi Carolyn,

Unfortunately I don't currently have access to a printer. That being said I reviewed the questionnaire on my phone and my answers to all the questions would be 'no'. As for who occupied the lot before us I wouldn't know as we took over the lot vacant. Please let me know if I can be of further assistance.

Dean

Sent from my Verizon, Samsung Galaxy smartphone

-------- Original message --------
From: Carolyn Choy <Carolyn@pacificcharter.org>
Date: 6/11/19 4:30 PM (GMT-08:00)
To: mdn2inc <mdn2inc@yahoo.com>
Cc: Fabiola Harvey <fharvey@efcps.net>
Subject: Phase I questionnaire

Hi Dean,

Will it be possible for you to fill out the attached questionnaire (to the best of your ability by tomorrow?

Please let me know if you have any questions.

Thanks,

Carolyn

From: David Siegel [mailto:dave@eras.biz]
Sent: Monday, June 10, 2019 4:37 PM

APPENDIX F

PERTINENT ENVIRONMENTAL INFORMATION FOR ADJACENT SITES

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
ALEX BRISCOE, Agency Director

DEPARTMENT OF ENVIRONMENTAL HEALTH
OFFICE OF THE DIRECTOR
1131 HARBOR BAY PARKWAY
ALAMEDA, CA 94502
(510) 567-6777
FAX (510) 337-9135

July 25, 2011

William Whitely
Caltrans
111 Grand Avenue, Mail Stop 8C
Oakland, CA 94612

State of California
P.O. Box 23440
Oakland, CA 94623-0440

REMEDIAL ACTION COMPLETION CERTIFICATE

Subject: Fuel Leak Case, RO0000397 and Geotracker Global ID T0600101631, Caltrans South Oakland Maintenance Station, 1112 29th Avenue, CA 94601

Dear Ladies and Gentlemen:

This letter confirms the completion of a site investigation and remedial action for the underground storage tanks formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tank(s) are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground storage tank(s) site is in compliance with the requirements of subdivisions (a) and (b) of Section 25299.37 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.77 of the Health and Safety Code and that no further action related to the petroleum release(s) at the site is required.

This notice is issued pursuant to subdivision (h) of Section 25299.37 of the Health and Safety Code.

Please contact our office if you have any questions regarding this matter.

Sincerely,

Arid Levi
Director
Alameda County Environmental Health

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
ALEX BRISCOE, Agency Director

DEPARTMENT OF ENVIRONMENTAL HEALTH
OFFICE OF THE DIRECTOR
1131 HARBOR BAY PARKWAY
ALAMEDA, CA 94502
(510) 567-6777
FAX (510) 337-9135

July 25, 2011

William Whitely
Caltrans
111 Grand Avenue, Mail Stop 8C
Oakland, CA 94612

State of California
P.O. Box 23440
Oakland, CA 94623-0440

Subject: Subject: Fuel Leak Case, RO0000397 and Geotracker Global ID T0600101631, Caltrans South Oakland Maintenance Station, 1112 29th Avenue, CA 94601

Dear Ladies and Gentlemen:

This letter transmits the enclosed underground storage tank (UST) case closure letter in accordance with Chapter 6.75 (Article 4, Section 25299.37[h]). The State Water Resources Control Board adopted this letter on February 20, 1997. As of March 1, 1997, the Alameda County Environmental Health (ACEH) is required to use this case closure letter for all UST leak sites. We are also transmitting to you the enclosed case closure summary. These documents confirm the completion of the investigation and cleanup of the reported release at the subject site. The subject fuel leak case is closed.

SITE INVESTIGATION AND CLEANUP SUMMARY

Please be advised that the following conditions exist at the site:

- Residual pollution remaining in soil beneath the site includes MTBE at concentrations of up to 9.15 ppm.
- Maximum concentrations of up to 1,300 ppb TPH as gasoline and 3,200 ppb MTBE remain in groundwater beneath the site.

If you have any questions, please call Barbara Jakub at (510) 639-1287. Thank you.

Sincerely,

Donna L. Drogos, P.E.
Division Chief

Enclosures:
1. Remedial Action Completion Certificate
2. Case Closure Summary

Cc Cherie McCaulou SF- Regional Water Quality Control Board (w/enc) (via electronic mail: cmccaulou@waterboards.ca.gov)
Leroy Griffin Oakland Fire Department (w/enc via electronic mail: lgriffin@oaklandnet.com)
Barbara Jakub (w/ enc via e-mail), D. Drogos (w/ enc via e-mail), T. LeKhan (w/orig enc)

CASE CLOSURE SUMMARY
LEAKING UNDERGROUND FUEL STORAGE TANK - LOCAL OVERSIGHT PROGRAM

I. AGENCY INFORMATION

Date: August 30, 2010

Agency Name: Alameda County Environmental Health	Address: 1131 Harbor Bay Parkway
City/State/Zip: Alameda, CA 94502-6577	Phone: (510) 383-1767
Responsible Staff Person: Barbara Jakub	Title: Hazardous Materials Specialist

II. CASE INFORMATION

Site Facility Name: Caltrans South Oakland Maintenance Station		
Site Facility Address: 1112 29th Ave Oakland, CA 94601		
RB Case No.: 01-1763	STID No.: 2933	LOP Case No.: RO0000397
URF Filing Date: May 15, 1997	Geotracker ID: T0600101631	APN: 25-693-7-2

Responsible Parties	Addresses	Phone Numbers
William Whitely, Caltrans	111 Grand Ave., Oakland, CA 94612, Mail Stop 8C	510-286-5668
State of California	P.O. Box 23440 Oakland, CA 94623-0440	---
---	---	---

Tank I.D. No	Size in Gallons	Contents	Closed In Place/Removed?	Date
1	4,000	Diesel	Removed	March 11, 1997
2	2,000	Gasoline	Removed	March 11, 1997
---	---	---	---	---
Piping			Removed	March 11, 1997

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: UST reported to have possible leak in rib.		
Site characterization complete? Yes	Date Approved By Oversight Agency: -----	
Monitoring wells installed? Yes	Number: 4	Proper screened interval? Yes
Highest GW Depth Below Ground Surface: 7.65 feet bgs	Lowest Depth: 10.76 feet	Flow Direction: Southwest
Most Sensitive Current Use: Potential drinking water source.		

Summary of Production Wells in Vicinity: Two water supply wells were identified in a 1500 meter well survey. The property directly south of the site formerly owned by Del Monte operated two industrial wells, each at a depth approximately 875 feet bgs (below ground surface). One of the wells is known to be decommissioned; no information could be found pertaining to the other well. It is unlikely this well is a potential receptor for the site since the well is likely to be screened below the shallow aquifer and contaminant concentrations in the shallow aquifer on-site are attenuating and off-site concentrations were predominantly below the detection limits.	
Are drinking water wells affected? No	Aquifer Name: East Bay Plain
Is surface water affected? No	Nearest SW Name: - Sausal Creek. Approximately 650 feet northeast
Off-Site Beneficial Use Impacts (Addresses/Locations): None	
Reports on file? Yes	Where are reports filed? Alameda County Environmental Health and Oakland Fire Department

TREATMENT AND DISPOSAL OF AFFECTED MATERIAL

Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Tank	1 – 2,000 gallon 1 – 4,000 gallon	Tanks disposed of at Erickson Inc. facility in Richmond, CA	March 11, 1997
Piping	Unavailable	Piping disposed of at Erickson Inc. facility in Richmond, CA	March 11, 1997
Free Product	----	----	----
Soil	52.4 tons	Soil disposed at TPS Technologies Richmond, CA	March 14, 1997
Groundwater	135 gallons	Groundwater disposed of at Evergreen Oil Co. in Newark, CA	March 14, 1997

MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS BEFORE AND AFTER CLEANUP
(Please see Attachments 1 – x for additional information on contaminant locations and concentrations)

Contaminant	Soil (ppm)		Water (ppb)	
	Before	After	Before	After
TPH (Gas)	380	<0.5	5,200	1,300
TPH (Diesel)	33	23	<10	<10
Oil and Grease	Not analyzed	Not analyzed	Not analyzed	Not analyzed
Benzene	1.65	<1.0	220	40
Toluene	11.86	<1.0	92	<5.0
Ethylbenzene	8.04	<1.0	11	1.2
Xylenes	48.86	<3.0	40	<5.0
Heavy Metals (Cd, Cr, Pb, Ni, Zn)	8.7^ (cal-oak-stp-1)	8.7^ (cal-oak-stp-1)	Not analyzed	Not analyzed
MTBE	9.15*	9.15*	6,600**	3,200***
Other VOCs (8260)	Not Analyzed	Not Analyzed	12+	12+

^ 8.7 ppm Pb: Cd, Cr, Ni, Zn not analyzed.

* 9.15 ppm MTBE, <0.002 ppm EDB, and <0.001 ppm EDC. TBA, TAME, ETBE, DIPE, and EtOH all not analyzed.

** 6,600 ppb MTBE; 890 ppb TBA; <0.5 ppb TAME; <0.5 ppb ETBE; <0.5 ppb DIPE. EtOH, EDB, and EDC not analyzed.

*** 3,200 ppb MTBE; 890 ppb TBA; <0.5 ppb TAME; <0.5 ppb ETBE; <0.5 ppb DIPE. EtOH, EDB, and EDC not analyzed.

+ 12 µg/L PCE, 4.4 µg/L Chloromethane, 16 µg/L Chloroform, 1.8 µg/L iso-Propylbenzene, 5.4 µg/L N-propylbenzene, 3.5 µg/L Naphthalene, 31 µg/L 1,2,4-Trimethylbenzene, 12 µg/L 1,3,5-Trimethylbenzene,

Site History and Description of Corrective Actions:

The site is located at 1112 29th Avenue, Oakland in a commercial and industrial area, and is currently used by Caltrans as vehicle storage and maintenance station.

Lithology beneath the site consists of sand and gravel fill below and asphalt concrete pavement from the ground surface to depths ranging from three to five feet below ground surface (bgs). Underlying the fill material are fine grain soils consisting primarily of inter-bedded clayey sands and silts, and clays to a depth of approximately 25 feet bgs.

One 4,000-gallon UST and one 2,000-gallon UST were removed from the site on March 11, 1997. Associated piping and fuel dispensers were also removed at that time. Eight soil samples were collected from the tank pit excavation and soil stockpile, and approximately 52 tons of soil was removed and disposed of off-site. Analysis of soil samples collected from the tank pit indicated that an unauthorized release had occurred, and concentrations of up to 380 ppm TPHg, 1.65 ppm Benzene, 11.86 ppm Toluene, 8.04 ppm Ethylbenzene, 48.86 ppm Xylenes, and 9.15 ppm MTBE were detected in soil.

On April 6 and 7, 1999, soil and grab groundwater samples were collected from six soil borings (B-1 through B-6) installed at the site. Soil sampling data detected TPHg and MTBE at maximum levels of up to 13 ppm and 0.16 ppm in soil, respectively. Groundwater data collected during the investigation detected up to 520 µg/L TPHg and 6,600 µg/L MtBE. On August 13, 1999, soil and groundwater samples were collected from three additional borings (B-7 through B-9) were installed along the property boundary. MTBE, Benzene and TPHg were detected in groundwater samples at concentrations of up to 3,800 µg/L, 220 µg/L and 5,600 µg/L, respectively, while TPHg and MTBE were detected in soil samples at concentrations of up to 0.54 ppm and 0.011 ppm, respectively.

Four groundwater monitoring wells (MW1 through MW4) were installed on June 8, 2000 and a program of groundwater monitoring and sampling was implemented after well installation. Soil samples collected during the well installation detected TPHd and MTBE to the south of the former USTs at concentrations of up to 23 ppm and 0.52 ppm, respectively. MTBE was detected in all groundwater samples and was reported highest south of the former USTs (MW-3). TPHg, VOCs, and BTEX (Benzene, Toluene, Ethylbenzene, and Xylenes) were detected directly north and south of former USTs in the groundwater.

On August 24, 2001 three soil borings (B-10 through B-12) were installed offsite to define the lateral extent of contamination downgradient of the site. TPHg, BTEX and MTBE were not detected in soil above laboratory reporting limits. Groundwater samples detected maximum concentrations of up to 2.1 µg/L MTBE southwest of the site, while TPHg and BTEX were not detected above laboratory reporting limits.

Groundwater monitoring has been conducted at the site from June 2000 to May of 2005. Groundwater gradient has typically been toward the southwest, with groundwater elevations between 8 feet to 10 feet below ground surface. The most recent groundwater data collected in May 2005 detected elevated levels of up to 1,300 µg/L TPHg, 40 µg/L benzene 3,200 µg/L MTBE and 890 µg/L TBA.

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Yes		
Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? Yes		
Does corrective action protect public health for current land use? Alameda County Environmental Health staff does not make specific determinations concerning public health risk. However, based upon the information available in our files to date, it does not appear that the release would present a risk to human health based upon current land use and conditions.		
Site Management Requirements: Case closure for this fuel leak site is granted for the current industrial land use only. If a change in land use to any commercial, residential, or other conservative land use scenario occurs at this site, Alameda County Environmental Health (ACEH) must be notified as required by Government Code Section 65850.2.2. ACEH will re-evaluate the case upon receipt of approved development/construction plans. Excavation or construction activities in areas of residual contamination require planning and implementation of appropriate health and safety procedures by the responsible party prior to and during excavation and construction activities. This site is to be entered into the City of Oakland Permit Tracking System due to the residual contamination on site.		
Should corrective action be reviewed if land use changes? Yes		
Was a deed restriction or deed notification filed? No		Date Recorded: --
Monitoring Wells Decommissioned: No	Number Decommissioned: 0	Number Retained: 4
List Enforcement Actions Taken: None		
List Enforcement Actions Rescinded: None		

V. ADDITIONAL COMMENTS, DATA, ETC.

Considerations and/or Variances:

- TBA, TAME, ETBE, DIPE and EtOH not analyzed in soil.
- EDB, EDC and EtOH not analyzed in groundwater.

Conclusion:

Alameda County Environmental Health staff consider that the levels of residual contamination do not pose a significant threat to water resources, public health and safety, and the environment under the current industrial land use based upon the information available in our files to date. No further investigation or cleanup for the fuel leak case is necessary at this time. However, as specified in the Site Management Requirements, re-evaluation of this case may be required if land uses changes to any residential or other conservative land use scenario; or construction or excavation activities take place or the building structure is otherwise modified. ACEH staff recommend closure for this site.

VI. LOCAL AGENCY REPRESENTATIVE DATA

Prepared by: Barbara Jakub, P.G.	Title: Hazardous Materials Specialist
Signature: Barbara J Jakub	Date: 8/30/10
Approved by: Donna L. Drogos, P.E.	Title: Division Chief
Signature:	Date: 9/2/10

This closure approval is based upon the available information and with the provision that the information provided to this agency was accurate and representative of site conditions.

VII. REGIONAL BOARD NOTIFICATION

Regional Board Staff Name: Cherie McCaulou	Title: Engineering Geologist
Notification Date: 9/2/10	

VIII. MONITORING WELL DECOMMISSIONING

Date Requested by ACEH: 10/5/10	Date of Well Decommissioning Report: 6/20/2011	
All Monitoring Wells Decommissioned: Yes	Number Decommissioned: 4	Number Retained: 0
Reason Wells Retained: — — —		
Additional requirements for submittal of groundwater data from retained wells: — — —		
ACEH Concurrence - Signature: Barbara J Jakub		Date: 7/25/11

Attachments:
1. Site Vicinity Map (pp1)
2. Site Plan with UST Sampling Locations and Cross Section (pps 2-4)
3. Soil Boring and Monitoring Well Location Map (pp 5)
4. Soil Analytical Data (pps 6-8)
5. Groundwater Analytical Data (pps 9-12)
6. Groundwater Elevation Map (pp13)
7. Isoconcentration Maps (pps 14-16)
8. Boring Logs (pps 17-41)

This document and the related CASE CLOSURE LETTER & REMEDIAL ACTION COMPLETION CERTIFICATE shall be retained by the lead agency as part of the official site file.

Jakub, Barbara, Env. Health

From: Cherie MCcaulou [CMccaulou@waterboards.ca.gov]
Sent: Thursday, September 02, 2010 4:38 PM
To: Jakub, Barbara, Env. Health
Subject: Re: Case Closure Summary for RO0000397

Hello Barbara - The Regional Water Board has no objection to ACEH recommendation for closing the case located at 1112 29th Avenue, Oakland. Thank you.

Sincerely,

Cherie McCaulou
Engineering Geologist
San Francisco Bay Regional Water Quality Control Board
cmccaulou@waterboards.ca.gov
510-622-2342

>>> "Jakub, Barbara, Env. Health" <barbara.jakub@acgov.org> 9/2/2010 3:21 PM >>>
Hello Cherie,

Attached is a closure summary for RO0000397; Caltrans South Oakland Maintenance Station located at 1112 29th Avenue in Oakland to comply with the RWQCB's 30-day review period. If no comments from the RWQCB are received within the 30-day review period, ACEH's will proceed with case closure.

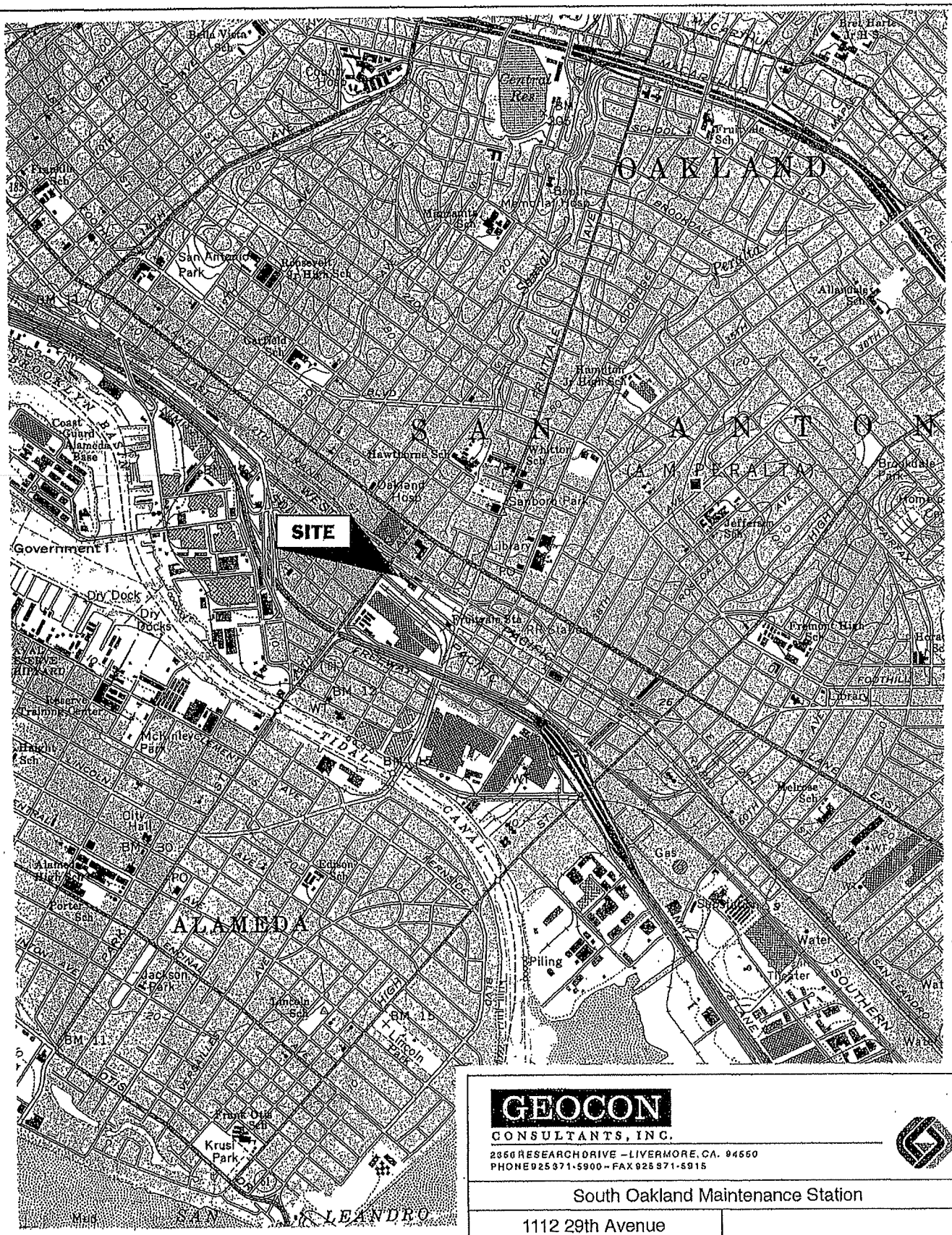
Please contact me if you have any comments or questions regarding the subject site.

Regards,

Barbara Jakub, P.G.
Hazardous Materials Specialist
Alameda County Environmental Health
1131 Harbor Bay Pky.
Alameda, CA 94502
Direct: 510-639-1287
Fax: 510-337-9335

PDF copies of case files can be downloaded at:

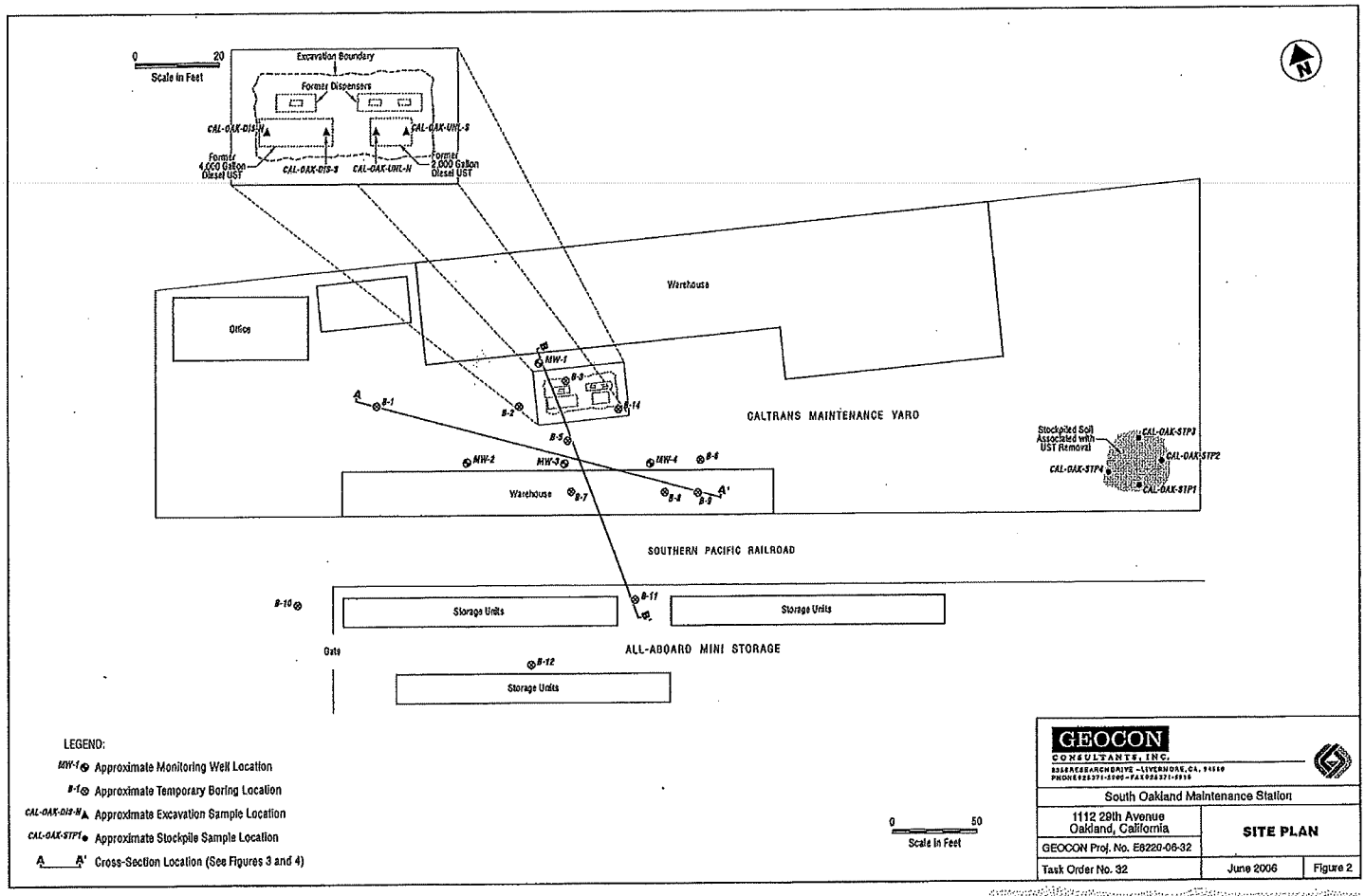
http://www.acgov.org/aceh/lop/ust.htm



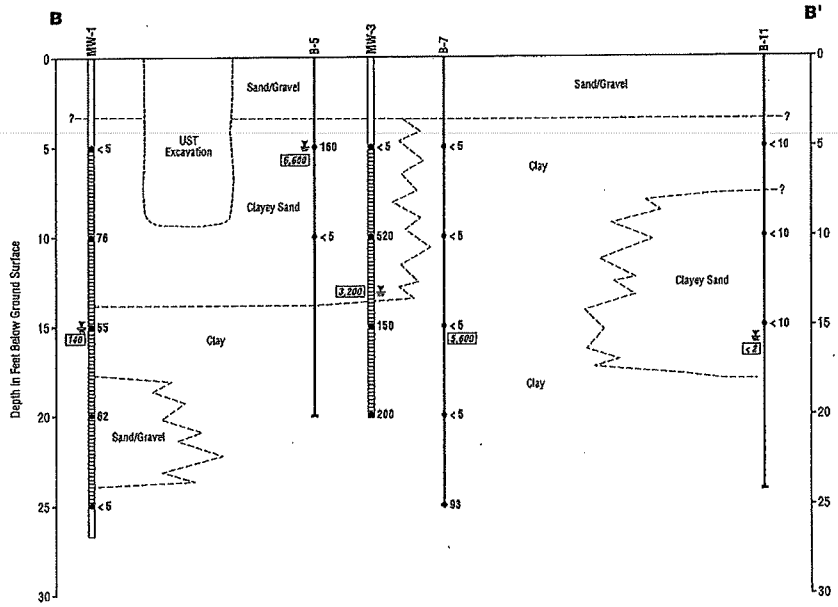
GEOCON
CONSULTANTS, INC.
2356 RESEARCH DRIVE – LIVERMORE, CA. 94550
PHONE 925 371-5900 – FAX 925 371-5915

South Oakland Maintenance Station		
1112 29th Avenue Oakland, California	**VICINITY MAP**	
GEOCON Proj. No. E8220-06-32		
Task Order No. 32	June 2006	Figure 1

ATTACHMENT 1



ATTACHMENT 2



LEGEND:

MW-1 Monitoring Well Location

Screened Interval

<5 MTBE Concentration in Soil (ug/kg)

140 MTBE Concentration in Groundwater (ug/l)

First Encountered Groundwater

B-5 Temporary Boring Location

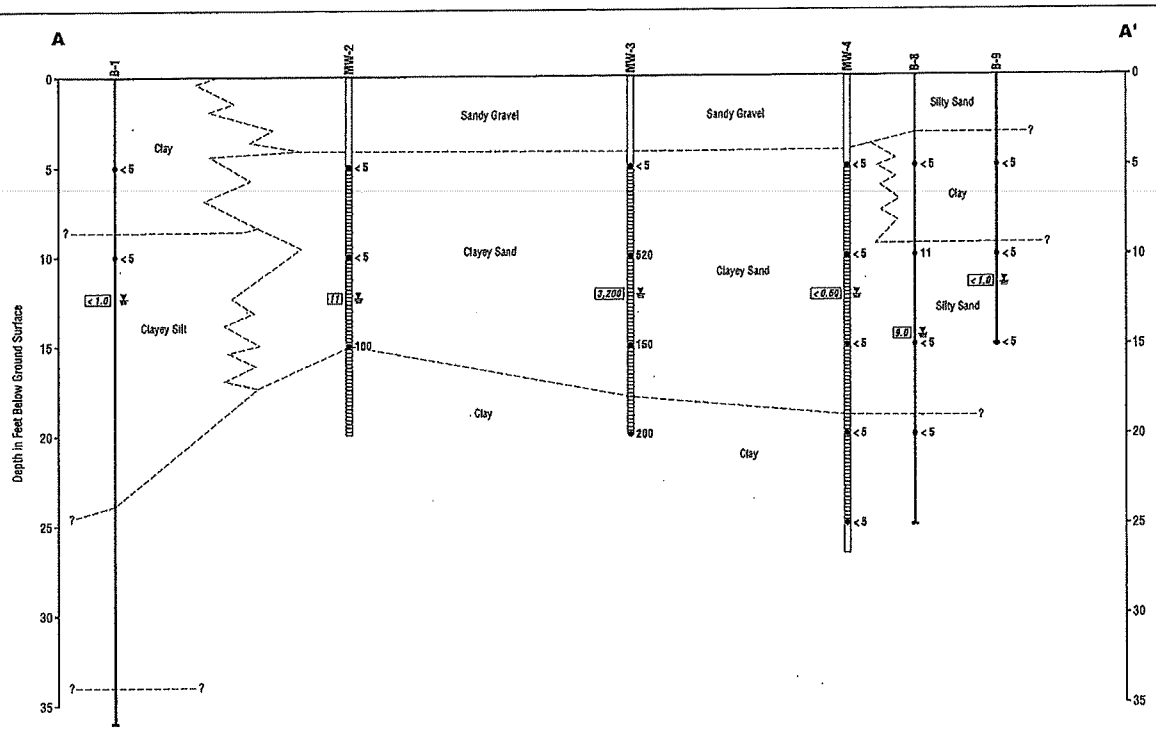
HORIZONTAL SCALE: 1" = 20'

VERTICAL SCALE: 1" = 5'

GEOCON CONSULTANTS, INC.

South Oakland Maintenance Station

1112 29th Avenue Oakland, California	CROSS-SECTION B – B'
GEOCON Proj. No. E8220-06-32	
Task Order No. 32	June 2006 / Figure 4



LEGEND:

MW-2 Monitoring Well Location

Screened Interval

<5 MTBE Concentration in Soil (ug/kg)

<1.0 MTBE Concentration in Groundwater (ug/l)

First Encountered Groundwater

B-1 Temporary Boring Location

HORIZONTAL SCALE: 1" = 20'

VERTICAL SCALE: 1" = 5'

GEOCON CONSULTANTS, INC.

South Oakland Maintenance Station

1112 29th Avenue
Oakland, California

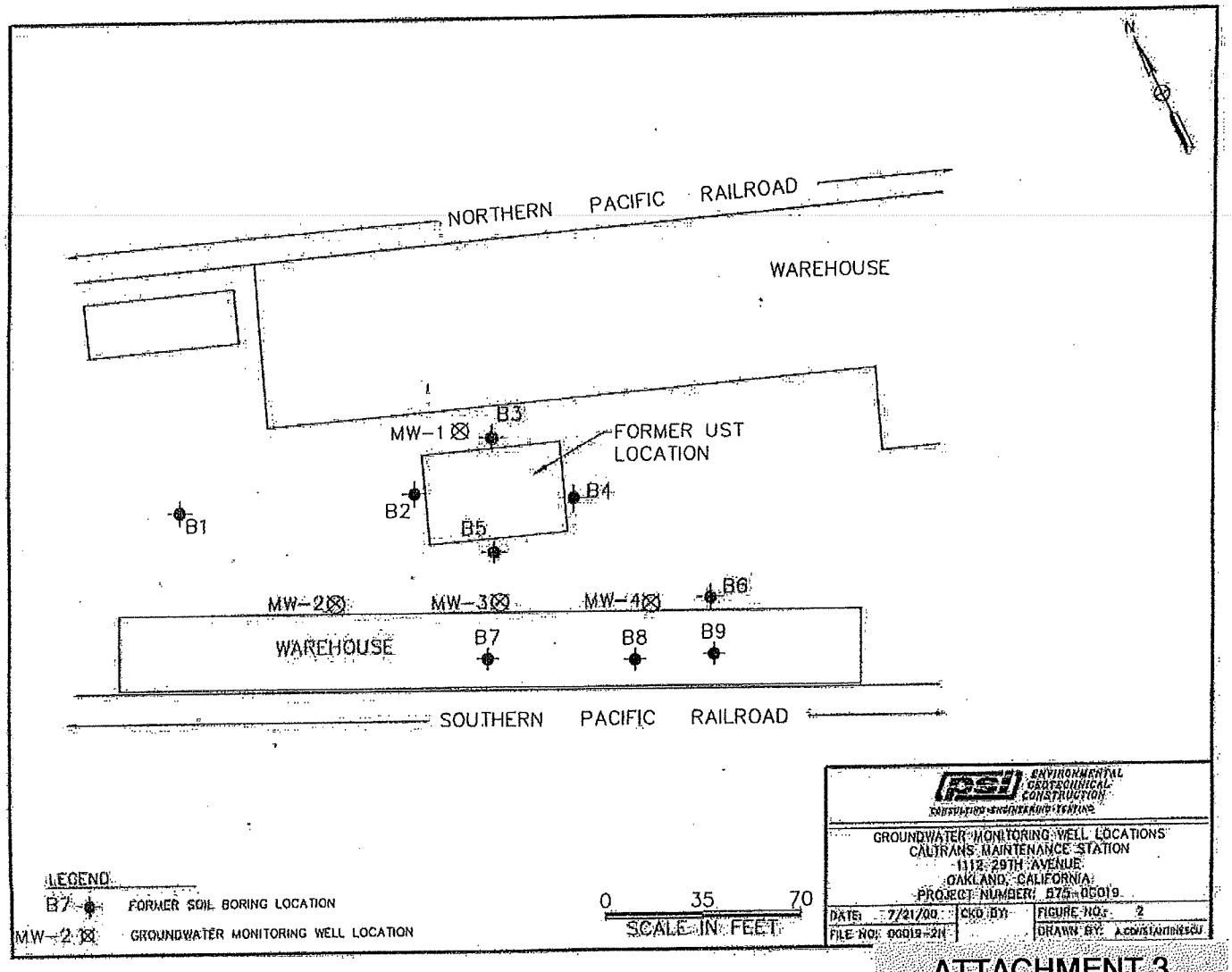
CROSS-SECTION A – A'

GEOCON Proj. No. E8220-06-32

Task Order No. 32

June 2006

Figure 3



ATTACHMENT 3

Table 1
Soil Sample Results
Caltrans South Oakland Maintenance Station
Oakland, California

Sample Location	Sample Type	Sample Date	Sample Depth (feet)	TPHg (mg/kg)	TPHd (mg/kg)	Lead (mg/kg)	Benzene (ug/kg)	Toluene (ug/kg)	Ethylbenzene (ug/kg)	Xylenes (ug/kg)	MTBE (ug/kg)	VOCs (ug/kg)	FOCs (ug/kg)
CAL-OAK-STP1	Stockpile	3/11/97	10	2.3	18	8.7	<5	<5	7.2	145	293	--	--
CAL-OAK-STP2	Stockpile	3/11/97	10	2.4	33	<5.0	<5	15	5.4	76	125	--	--
CAL-OAK-STP3	Stockpile	3/11/97	10	4.4	20	<5.0	<5	<5	11	280	<5	--	--
CAL-OAK-STP4	Stockpile	3/11/97	10	1.2	18	<5.0	<5	<5	<5	43	52	--	--
CAL-OAK-UNL-N	Excavation	3/11/97	10	360	--	<5.0	1,650	11,860	8,040	48,860	9,150	--	--
CAL-OAK-UNL-S	Excavation	3/11/97	10	<1.0	--	<5.0	75	<5	10	<5	380	--	--
CAL-OAK-DIS-N	Excavation	3/11/97	10	--	4.9	<5.0	<5	<5	<5	<5	112	--	--
CAL-OAK-DIS-S	Excavation	3/11/97	10	--	21	<5.0	<5	<5	<5	<5	41	--	--
B-1	Soil Boring	4/6/99	5	<1.0	<10	--	<1	<1	<1	<3	<5	ND	--
B-1	Soil Boring	4/6/99	10	<1.0	<10	--	<1	<1	<1	<3	<5	ND	--
B-2	Soil Boring	4/6/99	5	<1.0	<10	--	<1	<1	<1	<3	<5	ND	--
B-2	Soil Boring	4/6/99	10	<1.0	<10	--	<1	<1	<1	<3	<5	ND	--
B-3	Soil Boring	4/6/99	5	<1.0	<10	--	<1	<1	<1	<3	<5	ND	--
B-3	Soil Boring	4/6/99	10	<1.0	<10	--	<1	<1	<1	<3	<5	ND	--
B-4	Soil Boring	4/7/99	5	<1.0	<10	--	<1	<1	<1	<3	<5	ND	--
B-4	Soil Boring	4/7/99	10	<1.0	<10	--	<1	<1	<1	<3	<5	ND	--
B-5	Soil Boring	4/7/99	5	<1.0	<10	--	<1	<1	<1	<3	160	ND	--
B-5	Soil Boring	4/7/99	10	<1.0	<10	--	<1	<1	<1	<3	<5	ND	--
B-6	Soil Boring	4/7/99	5	<1.0	<10	--	<1	<1	<1	<3	<5	ND	--
B-6	Soil Boring	4/7/99	10	13	<10	--	<1	<1	<1	<3	<5	ND	--
B-7	Soil Boring	8/13/99	5	<0.5	<10	--	<1	<1	<1	<3	<5	ND	--
B-7	Soil Boring	8/13/99	10	<0.5	<10	--	<1	<1	<1	<3	<5	ND	--
B-7	Soil Boring	8/13/99	15	<0.5	<10	--	<1	<1	<1	<3	<5	ND	--
B-7	Soil Boring	8/13/99	20	<0.5	<10	--	<1	<1	<1	<3	93	ND	--
B-8	Soil Boring	8/13/99	5	<0.5	<10	--	<1	<1	<1	<3	<5	ND	--
B-8	Soil Boring	8/13/99	10	<0.5	<10	--	<1	<1	<1	<3	11	1 (PCE)	--
B-8	Soil Boring	8/13/99	15	<0.5	<10	--	<1	<1	<1	<3	<5	ND	--
B-8	Soil Boring	8/13/99	20	<0.5	<10	--	<1	<1	<1	<3	<5	ND	--
B-9	Soil Boring	8/13/99	5	<0.5	<10	--	<1	<1	<1	<3	<5	1 (PCE)	--
B-9	Soil Boring	8/13/99	10	<0.5	<10	--	<1	<1	<1	<3	<5	ND	--
B-9	Soil Boring	8/13/99	15	0.54	<10	--	<1	<1	<1	<3	<5	ND	--

ATTACHMENT 4

Table 1
Soil Sample Results
Caltrans South Oakland Maintenance Station
Oakland, California

Sample Location	Sample Type	Sample Date	Sample Depth (feet)	TPHg (mg/kg)	TPHd (mg/kg)	Lead (mg/kg)	Benzene (ug/kg)	Toluene (ug/kg)	Ethylbenzene (ug/kg)	Xylenes (ug/kg)	MTBE (ug/kg)	VOCs (ug/kg)	FOCs (ug/kg)
MW-1	MW Borehole	6/8/00	5	<0.5	--	--	<1	<1	<1	<3	<5	ND	--
MW-1	MW Borehole	6/8/00	10	<0.5	--	--	<1	<1	<1	<3	**76**	ND	--
MW-1	MW Borehole	6/8/00	15	<0.5	--	--	<1	<1	<1	<3	**55**	ND	--
MW-1	MW Borehole	6/8/00	20	<0.5	--	--	<1	<1	<1	<3	**62**	ND	--
MW-1	MW Borehole	6/8/00	25	<0.5	--	--	<1	<1	<1	<3	<5	ND	--
MW-2	MW Borehole	6/8/00	5	<0.5	--	--	<1	<1	<1	<3	<5	ND	--
MW-2	MW Borehole	6/8/00	10	<0.5	--	--	<1	<1	<1	<3	<5	ND	--
MW-2	MW Borehole	6/8/00	15	<0.5	--	--	<1	<1	<1	<3	**100**	ND	--
MW-3	MW Borehole	6/8/00	5	<0.5	**23**	--	<1	<1	<1	<3	<5	ND	--
MW-3	MW Borehole	6/8/00	10	<0.5	**10**	--	<1	<1	<1	<3	**520**	ND	--
MW-3	MW Borehole	6/8/00	15	<0.5	<10	--	<1	<1	<1	<3	**150**	ND	--
MW-3	MW Borehole	6/8/00	20	<0.5	<10	--	<1	<1	<1	<3	**200**	ND	--
MW-4	MW Borehole	6/8/00	5	<0.5	--	--	<1	<1	<1	<3	<5	ND	--
MW-4	MW Borehole	6/8/00	10	<0.5	--	--	<1	<1	<1	<3	<5	ND	--
MW-4	MW Borehole	6/8/00	15	<0.5	--	--	<1	<1	<1	<3	<5	ND	--
MW-4	MW Borehole	6/8/00	20	<0.5	--	--	<1	<1	<1	<3	<5	ND	--
MW-4	MW Borehole	6/8/00	25	<0.5	--	--	<1	<1	<1	<3	<5	ND	--
B-10	Soil Boring	8/24/01	5	<1.0	--	--	<5.0	<5.0	<5.0	<10.0	<10	ND	ND
B-10	Soil Boring	8/24/01	10	<1.0	--	--	<5.0	<5.0	<5.0	<10.0	<10	ND	ND
B-10	Soil Boring	8/24/01	25	<1.0	--	--	<5.0	<5.0	<5.0	<10.0	<10	ND	ND
B-10	Soil Boring	8/24/01	20	<1.0	--	--	<5.0	<5.0	<5.0	<10.0	<10	ND	ND
B-10	Soil Boring	8/24/01	25	<1.0	--	--	<5.0	<5.0	<5.0	<10.0	<10	ND	ND
B-11	Soil Boring	8/24/01	5	<1.0	--	--	<5.0	<5.0	<5.0	<10.0	<10	ND	ND
B-11	Soil Boring	8/24/01	10	<1.0	--	--	<5.0	<5.0	<5.0	<10.0	<10	ND	ND
B-11	Soil Boring	8/24/01	15	<1.0	--	--	<5.0	<5.0	<5.0	<10.0	<10	ND	ND
B-12	Soil Boring	8/24/01	5	<1.0	--	--	<5.0	<5.0	<5.0	<10.0	<10	ND	ND
B-12	Soil Boring	8/24/01	10	<1.0	--	--	<5.0	<5.0	<5.0	<10.0	<10	ND	ND
B-12	Soil Boring	8/24/01	15	<1.0	--	--	<5.0	<5.0	<5.0	<10.0	<10	ND	ND

Notes -
Bold type indicates compound detected above reporting limit
mg/kg - milligrams per kilogram
ug/kg - Micrograms per kilogram
-- Not analyzed
PCE - tetrachloroethene
VOCs - volatile organic compounds analyzed using Test Method 8260B
FOCs - fuel oxygenate compounds inlcuding tert-Butanol (TBA), tert-amyl-methyl ether (TAME), tert-butyl ethyl ether (ETBE), and di-isopropyl ether (DIPE)
MTBE - methy tertiary butyl ether

Client: A.E. Schmidt Environmental
Attn: Mr. Chris Thixton

Client's Project: Caltrans Maintenance Yard

Date Received: 03/12/97
Date Sampled: 03/11/97

Lab No.	Sample I.D.	Analysis	Date Analyzed	Results	Matrix Units	MDL	DLR	Analyst
16222-001	CAL-OAK-STP 1	EPA 7420 (Lead)	03/13/97	8.7	Soil, mg/kg	5.0	5.0	DJ
16222-002	CAL-OAK-STP 2	EPA 7420 (Lead)	03/13/97	ND	Soil, mg/kg	5.0	5.0	DJ
16222-003	CAL-OAK-STP 3	EPA 7420 (Lead)	03/13/97	ND	Soil, mg/kg	5.0	5.0	DJ
16222-004	CAL-OAK-STP 4	EPA 7420 (Lead)	03/13/97	ND	Soil, mg/kg	5.0	5.0	DJ
16222-005	CAL-OAK-UNL-N	EPA 7420 (Lead)	03/13/97	ND	Soil, mg/kg	5.0	5.0	DJ
16222-006	CAL-OAK-UNL-S	EPA 7420 (Lead)	03/13/97	ND	Soil, mg/kg	5.0	5.0	DJ

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DF = Dilution Factor (DLR/MDL)

Reviewed/Approved By: Cheryl de Lorn
Cheryl De Las Reyes
Department Supervisor

Date: 3/13/97

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Table 2
Grab Groundwater Sample Results
Caltrans South Oakland Maintenance Station
Oakland, California

Sample Location	Sample Type	Sample Date	First Encountered Groundwater (feet bgs)	TPHg (mg/l)	TPHd (mg/l)	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Xylenes (ug/l)	MTBE (ug/l)	VOCs (ug/l)	FOCs (ug/l)
B-1	Temp. Boring	4/6/99	32	<0.5	<10	<0.5	<0.5	<0.5	2.0	<1.0	ND	--
B-2	Temp. Boring	4/6/99	19	<0.5	<10	<0.5	<0.5	<0.5	<1.5	<1.0	ND	--
B-3	Temp. Boring	4/6/99	10	**0.52**	<10	**6.3**	**2.2**	**11**	**40**	<1.0	see table 2A	--
B-4	Temp. Boring	4/7/99	9.5	**0.52**	<10	<0.5	<0.5	**3.7**	**7.7**	<1.0	see table 2A	--
B-5	Temp. Boring	4/7/99	5.5	<0.5	<10	<0.5	**0.6**	<0.5	<1.5	**6,600**	ND	--
B-6	Temp. Boring	4/7/99	8	<0.5	<10	<0.5	<0.5	<0.5	<1.5	**24**	see table 2A	--
B-7	Temp. Boring	8/13/99	15	**3.8**	**0.73**	<0.5	<0.5	<0.5	<1.5	**5,600**	ND	ND
B-8	Temp. Boring	8/13/99	14.5	<0.5	<0.42	<0.5	<0.5	<0.5	<1.5	**9.0**	see table 2A	ND
B-9	Temp. Boring	8/13/99	11.5	<0.5	<0.42	<0.5	<0.5	<0.5	<1.5	<1.0	see table 2A	ND
B-10	Temp. Boring	8/24/01	15.5	<0.5	--	<1.0	<1.0	<1.0	<3.0	**2.1**	see table 2A	ND
B-11	Temp. Boring	8/24/01	15	<0.5	--	<1.0	<1.0	<1.0	<3.0	<2	see table 2A	ND
B-12	Temp. Boring	8/24/01	15	<0.5	--	<1.0	<1.0	<1.0	<3.0	<2	see table 2A	ND

Notes -
Bold type indicates compound detected above reporting limit
feet bgs - feet below ground surface
mg/l - milligrams per liter
ug/l - Micrograms per liter
-- Not analyzed
VOCs - volatile organic compounds analyzed using Test Method 8260B
FOCs - fuel oxygenate compounds including tert-Butanol (TBA), tert-amyl-methyl ether (TAME), tert-butyl ethyl ether (ETBE), and di-isopropyl ether (DIPE)
MTBE - methy tertiary butyl ether

ATTACHMENT 5

Table 2A
Grab Groundwater Sample Results (Other VOCs)
Caltrans South Oakland Maintenance Station
Oakland, California

Sample Location	Sample Date	First Encountered Groundwater (feet bgs)	Chloromethane (ug/l)	Isopropylbenzene (ug/l)	n-Propylbenzene (ug/l)	Naphthalene (ug/l)	1,2,4-Trimethylbenzene (ug/l)	1,3,5-Trimethylbenzene (ug/l)	Chloroform (ug/l)	Tetracholorethene (ug/l)
B-3	4/6/99	10	<0.5	**1.8**	**5.4**	**3.5**	**31**	**12**	<0.5	<0.5
B-4	4/6/99	9.5	<0.5	**1.3**	**3.0**	**2.6**	**19**	**6.3**	**2.4**	<0.5
B-6	4/7/99	8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**2.7**	**12**
B-8	8/13/99	14.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**10**	<0.5
B-9	8/13/99	11.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**16**	<0.5
B-10	8/24/01	15.5	**4.4**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
B-11	8/24/01	15	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.0**	<1.0
B-12	8/24/01	15	**1.9**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

Notes -
Bold type indicates compound detected above reporting limit
feet bgs - feet below ground surface
ug/l - Micrograms per liter
VOCs - volatile organic compounds analyzed using Test Method 8260B

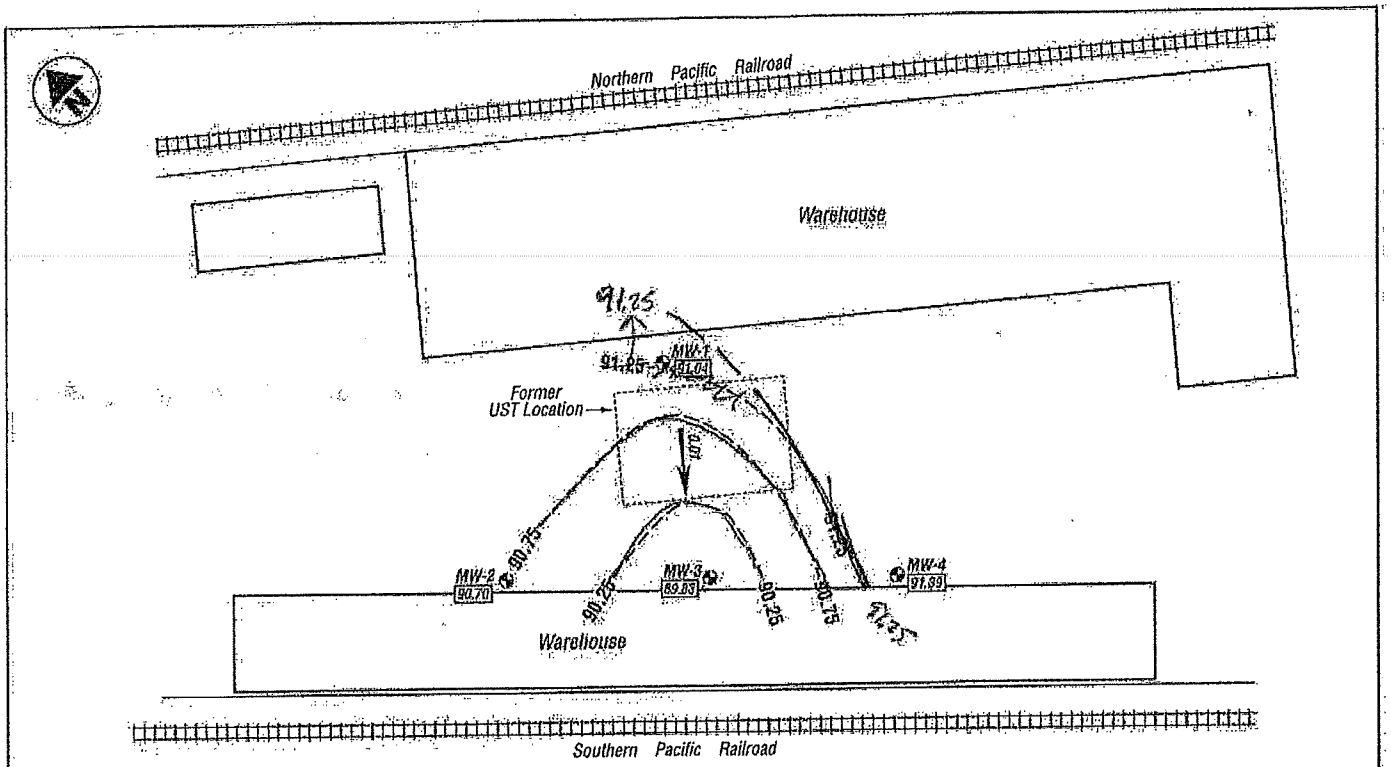
Table 3
Depth to Water and Monitoring Well Sample Results
Caltrans South Oakland Maintenance Station
Oakland, California

Well	Date	*TOC Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Screened Interval (feet bgs)	TPHg (mg/l)	Benzene (ug/l)	Toluene (ug/l)	Ethyl-benzene (ug/l)	Xylenes (ug/l)	MTBE (ug/l)	ETBE (ug/l)	TAME (ug/l)	TBA (ug/l)	DIPE (ug/l)
MW-1	27-Jun-00	99.57	9.13	90.44	5-25	0.85	20	< 1.0	< 1.0	19	880	—	< 5.0	< 50	—
	11-Sep-00	99.57	9.52	90.05	5-25	0.92	14	< 1.0	1.6	3.6	860	—	< 5.0	190	—
	28-Nov-00	99.57	9.62	89.95	5-25	< 0.5	3.6	< 2.5	< 2.5	< 7.5	610	—	< 25	< 250	—
	27-Mar-01	99.57	8.79	90.78	5-25	< 0.2	<0.5	<0.5	<0.5	< 1.0	29	< 5.0	< 5.0	< 200	< 5.0
	26-Jun-01	99.57	9.80	89.77	5-25	0.24	<0.5	<0.5	<0.5	< 1.0	200	< 5.0	< 5.0	< 200	< 5.0
	24-Aug-01	—	—	—	5-25	<0.5	<25	<25	<25	<75	520	—	<50	<1,200	—
	05-Dec-01	99.57	8.32	91.25	5-25	0.388	3.5	<0.3	2.4	15.4	505	—	<0.5	<100	—
	04-Mar-01	99.57	8.66	90.91	5-25	0.69	<0.5	<0.5	<0.5	<1.0	55	<0.5	<0.5	<50	<0.5
	14-Jun-02	99.57	9.53	90.04	5-25	<0.5	<0.5	<0.5	<0.5	<1.0	5.3	<0.5	<0.5	<0.5	<0.5
	24-Sep-02	99.57	10.06	89.51	5-25	0.166	<0.5	<0.5	0.5	1.6	60.0	<0.5	<0.5	<50	<0.5
	05-May-04	99.57	9.06	90.51	5-25	<0.05	0.5	<0.5	0.6	1.7	201	<0.5	<0.5	<50	<0.5
	12-May-05	99.57	8.53	91.04	5-25	0.19	<1.0	<1.0	1.2	<1.0	140	<1.0	<1.0	50	<1.0
MW-2	27-Jun-00	98.91	9.05	89.86	5-20	< 0.5	< 1.0	< 1.0	< 1.0	< 3.0	86	—	< 5	< 50	—
	11-Sep-00	98.91	9.95	88.96	5-20	< 0.5	< 1.0	< 1.0	< 1.0	< 3.0	110	—	< 5	< 50	—
	28-Nov-00	98.91	9.94	88.97	5-20	< 0.5	< 1.0	< 1.0	< 1.0	< 3.0	130	—	< 5	< 50	—
	27-Mar-01	98.91	8.35	90.56	5-20	< 0.2	<0.5	<0.5	<0.5	< 1.0	110	< 5.0	< 5.0	< 200	< 5.0
	26-Jun-01	98.91	10.76	88.15	5-20	0.11	<0.5	<0.5	<0.5	< 1.0	51	< 5.0	< 5.0	< 200	< 5.0
	24-Aug-01	—	—	—	5-20	<0.5	<2.0	<2.0	<2.0	<6.0	36	—	<4	<100	—
	05-Dec-01	98.91	8.53	90.38	5-20	0.06	<0.3	<0.3	<0.3	<0.6	79	—	<0.5	<100	—
	04-Mar-01	98.91	8.25	90.66	5-20	<0.5	<0.5	<0.5	<0.5	<1.0	9	<0.5	<0.5	<50	<0.5
	14-Jun-02	98.91	9.50	89.41	5-20	<0.5	<0.5	<0.5	<0.5	<1.0	25.0	<0.5	<0.5	<0.5	<0.5
	24-Sep-02	98.91	10.31	88.60	5-20	<0.05	<0.5	<0.5	<0.5	<1.0	34.6	<0.5	<0.5	<50	<0.5
	05-May-04	98.91	8.46	90.45	5-20	<0.05	<0.5	<0.5	<0.5	<1.0	13.5	<0.5	<0.5	<50	<0.5
	12-May-05	98.91	8.21	90.70	5-20	<0.05	<1.0	<1.0	<1.0	<1.0	11	<1.0	<1.0	<1.0	<1.0
MW-3	27-Jun-00	98.98	8.76	90.22	5-20	2.7	73	1.7	1.2	4.6	5,000	—	11	1,500	—
	11-Sep-00	98.98	9.28	89.70	5-20	1.9	19	< 1.0	< 1.0	< 3.0	2,700	—	10	310	—
	28-Nov-00	98.98	9.36	89.62	5-20	1.7	27	92	< 10	< 30	2,500	—	< 100	< 1,000	—
	27-Mar-01	98.98	8.35	90.63	5-20	5.2	220	5.9	2.2	< 1.0	5,500	< 5.0	12	270	< 5.0
	26-Jun-01	98.98	10.51	88.47	5-20	2.5	20	<0.5	<0.5	< 1.0	2,800	< 5.0	12	230	< 5.0
	24-Aug-01	—	—	—	5-20	1.7	<100	<100	<100	<300	2,800	—	<200	<5,000	—
	05-Dec-01	98.98	8.05	90.93	5-20	1.86	18.3	0.3	1.2	1.0	2,240	—	<200	<5,000	—
	04-Mar-01	98.98	8.05	90.93	5-20	3.23	94.2	0.8	2.4	6.9	7,520	<0.5	11	<50	<0.5
	14-Jun-02	98.98	9.35	89.63	5-20	2.32	3.6	<0.5	<0.5	<1.0	5,290	<0.5	8.9	<0.5	<0.5
	24-Sep-02	98.98	10.28	88.70	5-20	2.06	24.0	0.5	1.2	3.4	2,020	<0.5	7.6	<50	<0.5
	05-May-04	98.98	8.88	90.10	5-20	0.27	32.2	<0.5	0.8	4.8	4,420	<0.5	<0.5	<50	<0.5
	12-May-05	98.98	9.15	89.83	5-20	1.3	40	<5.0	<5.0	<5.0	3,200	<5.0	<5.0	890	<5.0

Table 3
Depth to Water and Monitoring Well Sample Results
Caltrans South Oakland Maintenance Station
Oakland, California

Well	Date	*TOC Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Screened Interval (feet bgs)	TPHg (mg/l)	Benzene (ug/l)	Toluene (ug/l)	Ethyl-benzene (ug/l)	Xylenes (ug/l)	MTBE (ug/l)	ETBE (ug/l)	TAME (ug/l)	TBA (ug/l)	DIPE (ug/l)
MW-4	27-Jun-00	99.04	8.74	90.30	5-25	< 0.5	< 1.0	< 1.0	< 1.0	< 3.0	18	—	< 5	< 50	—
	11-Sep-00	99.04	9.30	89.74	5-25	< 0.5	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	—	< 5	< 50	—
	28-Nov-00	99.04	9.32	89.72	5-25	< 0.5	< 0.5	< 0.5	< 0.5	< 1.5	< 1.0	—	< 5	< 50	—
	27-Mar-01	99.04	7.96	91.08	5-25	< 0.2	<0.5	<0.5	<0.5	< 1.0	< 5.0	< 5.0	< 5.0	< 200	< 5.0
	26-Jun-01	99.04	9.56	89.48	5-25	< 0.05	<0.5	<0.5	<0.5	< 1.0	< 5.0	< 5.0	< 5.0	< 200	< 5.0
	24-Aug-01	---	—	—	5-25	<0.5	<1.0	<1.0	<1.0	<3.0	<2	—	<4	<100	—
	05-Dec-01	99.04	8.58	90.46	5-25	<0.05	<0.3	<0.3	<0.3	<0.6	<0.3	—	<0.5	<100	—
	04-Mar-01	99.04	8.00	91.04	5-25	<0.5	0.5	<0.5	<0.5	<1.0	5.00	<0.5	<0.5	<0.5	<0.5
	14-Jun-02	99.04	8.79	90.25	5-25	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5
	24-Sep-02	99.04	9.75	89.29	5-25	<0.05	<0.5	<0.5	<0.5	<1.0	1.3	<0.5	<0.5	<50	<0.5
	05-May-04	99.04	8.55	90.49	5-25	<0.05	<0.5	<0.5	<0.5	<1.0	2.2	<0.5	<0.5	<50	<0.5
	12-May-05	99.04	7.65	91.39	5-25	<0.05	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<10	<1.0

Notes-
Bold type indicates compound detected above reporting limit
mg/l - milligrams per liter
ug/l - micrograms per liter
TOC - top of casing
bgs - below ground surface
* - elevation measured relative to an arbitrary datum assigned a value of 100.00 feet
MTBE - methyl tertiary butyl ether
ETBE - Ethyl tertiary butyl ether
TAME - tertiary amyl methyl ether
TBA - tert-butanol
DIPE - di-isopropyl ether



LEGEND:

MW-1 Approximate Monitoring Well Location

Groundwater Elevation Contour (Interval = 0.50 Ft.)

90.70 MSL Elevation of Groundwater Measured 5/12/05

0.01 Approximate Groundwater Direction & Gradient

0 40
Scale in Feet

GEOCON
CONSULTANTS, INC.
2356 RESEARCH DRIVE – LIVERMORE, CA 94550
PHONE 925 371-5900 – FAX 925 371-5915

South Oakland Maintenance Station

1112 29th Avenue
Oakland, California

GEOCON Proj. No. E8220-06-18

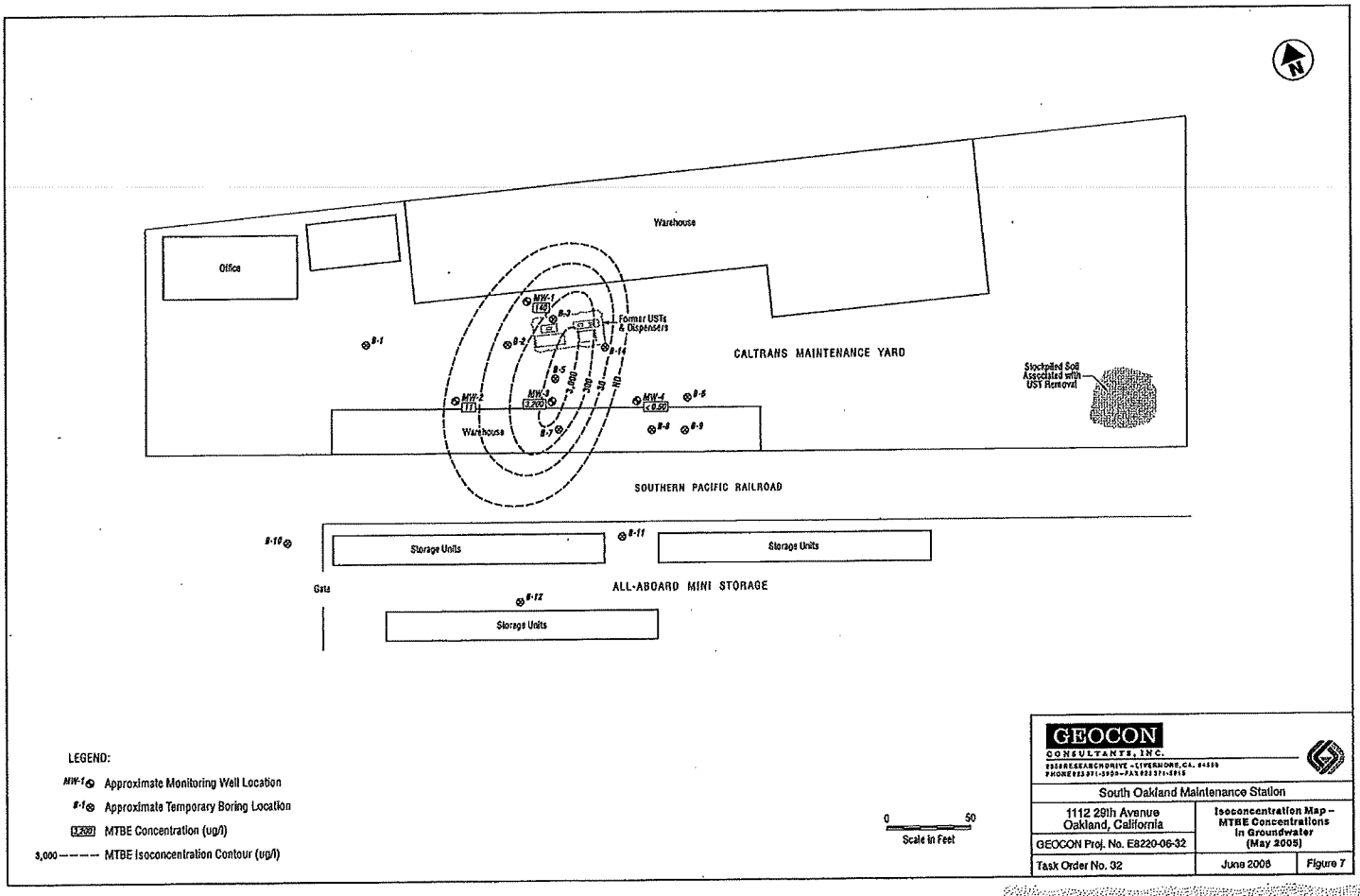
Task Order No. 18

GROUNDWATER ELEVATION MAP-MAY 2005

May 2005

Figure 3

ATTACHMENT 6



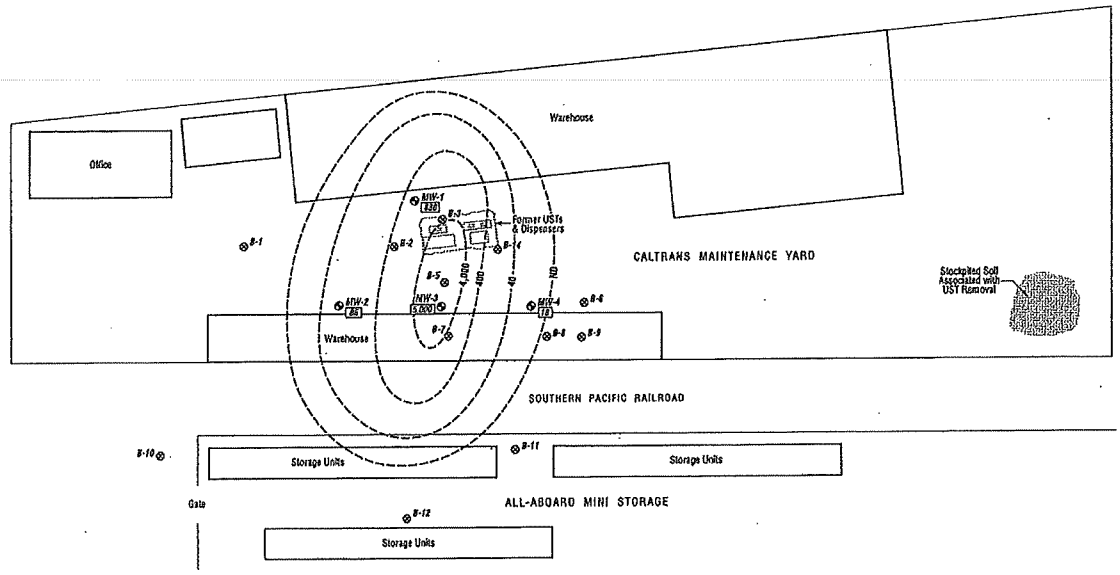
LEGEND:

- MW-1 Approximate Monitoring Well Location
- B-1 Approximate Temporary Boring Location
- 3,200 MTBE Concentration (ug/l)
- 3,000 ——— MTBE Isoconcentration Contour (ug/l)

0 50
Scale in Feet

GEOCON CONSULTANTS, INC.		
South Oakland Maintenance Station		
1112 29th Avenue Oakland, California	Isoconcentration Map – MTBE Concentrations in Groundwater (May 2005)	
GEOCON Proj. No. E8220-06-32		
Task Order No. 32	June 2006	Figure 7

ATTACHMENT 7



LEGEND:

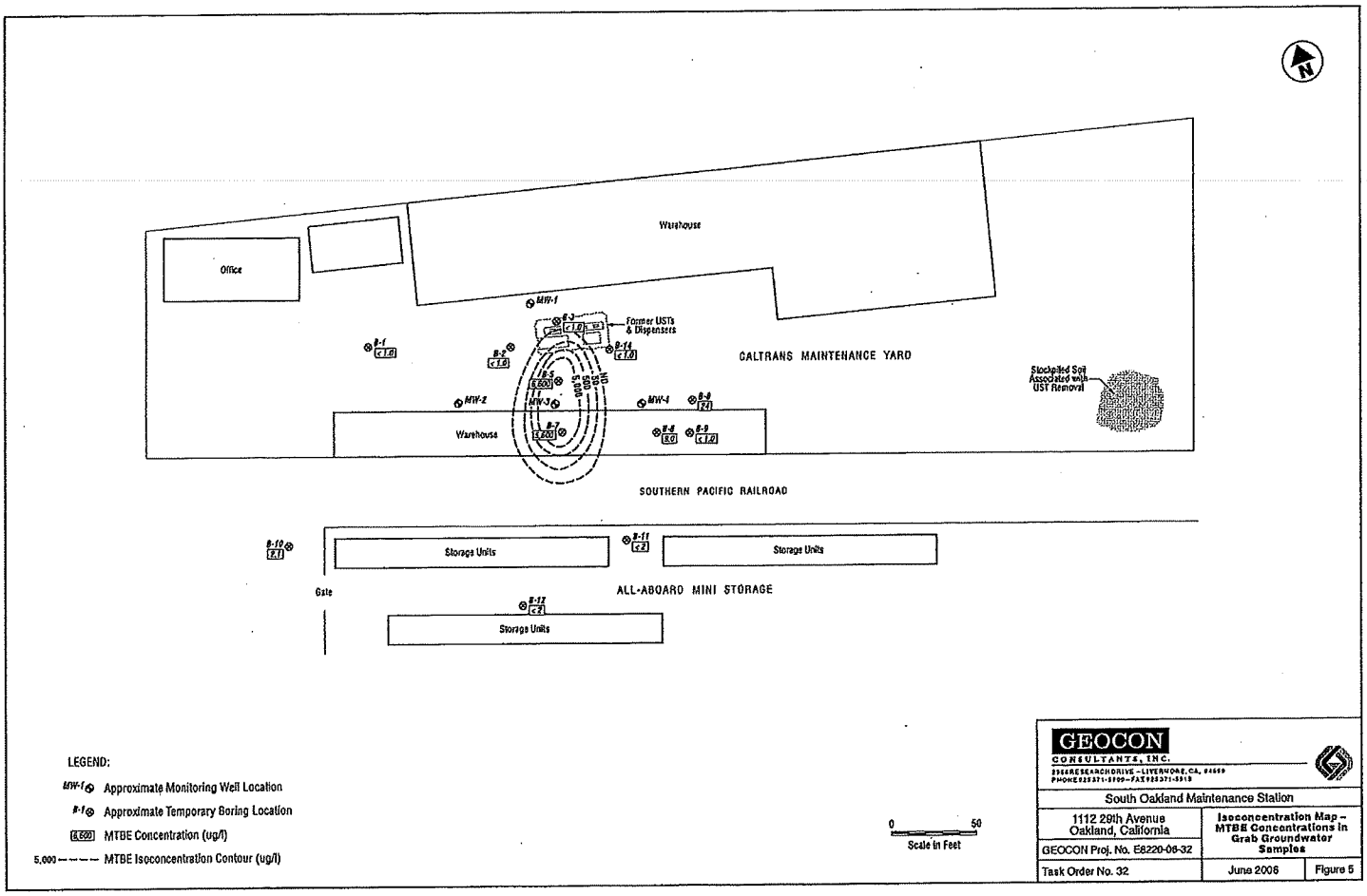
- MW-1 Approximate Monitoring Well Location
- B-1 Approximate Temporary Boring Location
- 5,600 MTBE Concentration (ug/l)
- 4,000 MTBE Isoconcentration Contour (ug/l)

0 50
Scale in Feet

GEOCON
CONSULTANTS, INC.
2285 RESEARCH DRIVE – LIVERMORE, CA. 94550
PHONE 925 371-5900 – FAX 925 371-5910

South Oakland Maintenance Station

1112 29th Avenue Oakland, California	Isoconcentration Map – MTBE Concentrations in Groundwater (June 2000)
GEOCON Proj. No. E8220-06-32	
Task Order No. 32	June 2006	Figure 6



LEGEND:

MW-1 Approximate Monitoring Well Location

B-1 Approximate Temporary Boring Location

6,500 MTBE Concentration (ug/l)

5,000 MTBE Isoconcentration Contour (ug/l)

0 50
Scale in Feet

GEOCON
CONSULTANTS, INC.
[illegible] RESEARCH DRIVE – LIVERMORE, CA, [illegible]
PHONE [illegible] – FAX [illegible]

South Oakland Maintenance Station

1112 29th Avenue Oakland, California	**Isoconcentration Map – MTBE Concentrations in Grab Groundwater Samples**
GEOCON Proj. No. E8220-08-32	
Task Order No. 32	June 2006	Figure 5

SOIL BORING LOG

BORING NO:	B1
SHEET 1	OF 2
PROJECT NAME:	Caltrans: South Oakland Maintenance Station
PROJECT NUMBER:	575-9G014 — DATE: 4/6/99
NORTHINGS:	EASTINGS:
DRILLING COMPANY:	Fisch Environmental
DRILLING METHOD:	Direct Push (Geoprobe)
BORING DIAMETER:	2 inch — DEPTH: 36 feet

GROUNDWATER LEVELS

DATE	COMMENTS	DEPTH BGS
4/6/99	initial	32
4/7/99	stabilized	6.9

DEPTH (FEET)	SAMPLE NO.	RECOVERY (IN)	SAMPLE INTERVAL	BLOW COUNT	DESCRIPTION	PID (PPM)	USCS	REMARKS
					Silty Clay, low plasticity, brown, damp, no odor.		CL	Asphalt Surface
1								
2								
3								
4								
5		16				0		
6								
7								
8								
9					Clayey Silt, brown, low plasticity, damp, no odor.		ML	
10		14				0		
11								
12								
13								
14								moisture increase.
15		16				0		
16								
17								
18								
19								
20		20			Log continues downward.	0		

REVIEWED BY: Tim O'Brien

LOGGED BY: Scott Bowers

F:\transfer\admin\forms\Borlogs\B1

ATTACHMENT 8

SOIL BORING LOG

BORING NO:	B1
SHEET 2	OF 2
PROJECT NAME:	Caltrans: South Oakland Maintenance Station
PROJECT NUMBER: 575-9G014	DATE: 4/6/99
NORTHINGS:	EASTINGS:
DRILLING COMPANY:	Fisch Environmental
DRILLING METHOD:	Direct Push (Geoprobe)
BORING DIAMETER: 2 inch	DEPTH: 36 feet

GROUNDWATER LEVELS

DATE	COMMENTS	DEPTH BGS

DEPTH (FEET)	SAMPLE NO.	RECOVERY (IN)	SAMPLE INTERVAL	BLOW COUNT	DESCRIPTION	PID (PPM)	USCS	REMARKS
					Clayey Silt as described above.		ML	
21								
22								
23								
24					Silty Clay, low to medium plasticity, damp, no odor		CL	
25		17				0		
26								
27								
28								
29								moisture increase.
30		12				0		
31								
32								
33								
34					Silty Sandy Gravel, coarse sand, fine gravel, tan, wet, no odor.		GW	
35		20				0		
36								Total Depth = 36 feet
37								Boring drilled to sufficient depth for investigation
38								Groundwater stabilized at 6.9 feet bgs.
39								Boring converted to temporary groundwater monitoring well.
40						0		Well grouted by removing casing and tremie placement of neat cement.

REVIEWED BY: Tim O'Brien

LOGGED BY: Scott A. Bowers

SOIL BORING LOG

BORING NO:	B2
SHEET	1 OF 1
PROJECT NAME:	Caltrans: South Oakland Maintenance Station
PROJECT NUMBER:	575-9G014 DATE: 4/6/99
NORTHINGS:	EASTINGS:
DRILLING COMPANY:	Fisch Environmental
DRILLING METHOD:	Direct Push (Geoprobe)
BORING DIAMETER:	2 inch DEPTH: 20 feet

GROUNDWATER LEVELS

DATE	COMMENTS	DEPTH BGS
4/6/99	Initial	19
4/6/99	stabilized	5

DEPTH (FEET)	SAMPLE NO.	RECOVERY (IN)	SAMPLE INTERVAL	BLOW COUNT	DESCRIPTION	PID (PPM)	USCS	REMARKS
					Silty Clay with some fine grained gravel, low to medium plasticity, brown, damp, no odor.		CL	Asphalt surface
1								
2								
3								
4								
5		17				0		
6								
7								
8								
9								
0		12				0		
1								
2								
3								
4								
5		21				0		
6								Groundwater encountered at 19 feet bgs.
7								
8								Total Depth = 20 feet Boring drilled to sufficient depth for investigation Groundwater stabilized at 5 feet bgs. Boring converted to temporary groundwater monitoring well. Well grouted by removing casing and tremie placement of neat cement.
9		22						
0						0		

REVIEWED BY: Tim O'Brien

LOGGED BY: Scott Bowers

SOIL BORING LOG

BORING NO:	B3
SHEET 1 OF 1	
PROJECT NAME:	Caltrans: South Oakland Maintenance Station
PROJECT NUMBER: 575-9G014	DATE: 4/6/99
NORTHINGS:	EASTINGS:
DRILLING COMPANY:	Fisch Environmental
DRILLING METHOD:	Direct Push (Geoprobe)
BORING DIAMETER: 2 inch	DEPTH: 20 feet

GROUNDWATER LEVELS

DATE	COMMENTS	DEPTH BGS
4/6/99	initial	10
4/6/99	stabilized	5

DEPTH (FEET)	SAMPLE NO.	RECOVERY (IN)	SAMPLE INTERVAL	BLOW COUNT	DESCRIPTION	PID (PPM)	USCS	REMARKS
					Silty Clay with some gravel, fine grained gravel, low to medium plasticity, brown, damp, no odor.		CL	Concrete surface
1								
2								
3								
4								
5		20				0		
6								
7								
8								
9								
10		21				0		Groundwater encountered.
11								
12								
13								
14								
15		24				0		
16								
17								Total Depth = 20 feet
18								Boring drilled to sufficient depth for investigation. Groundwater stabilized at 5 feet bgs.
19		23						Boring converted to temporary groundwater monitoring well.
20						0		Well grouted by removing casing and tremie placement of neat cement.

REVIEWED BY: Tim O'Brien

LOGGED BY: Scott Bowers

SOIL BORING LOG

BORING NO:	B4
SHEET 1	OF 1
PROJECT NAME:	Caltrans: South Oakland Maintenance Station
PROJECT NUMBER: 575-9G014	DATE: 4/6/99
NORTHINGS:	EASTINGS:
DRILLING COMPANY:	Fisch Environmental
DRILLING METHOD:	Direct Push (Geoprobe)
BORING DIAMETER: 2 inch	DEPTH: 20 feet

GROUNDWATER LEVELS

DATE	COMMENTS	DEPTH BGS
4/6/99	initial	9.5
4/6/99	stabilized	9.5

DEPTH (FEET)	SAMPLE NO.	RECOVERY (IN)	SAMPLE INTERVAL	BLOW COUNT	DESCRIPTION	PID (PPM)	USCS	REMARKS
					Silty Clay with some gravel, fine grained gravel, low to medium plasticity, brown, damp, no odor.		CL	Asphalt surface
1								
2								
3								
4								
5		10				0		
6								
7								
8								
9								
10		20				0		Groundwater encountered.
11								
12								
13								
14								
15		24				0		
16								
17								
18								
19								
20		24				0		Total Depth = 20 feet Boring drilled to sufficient depth for investigation. Groundwater stabilized at 5 feet bgs. Boring converted to temporary groundwater monitoring well. Well grouted by removing casing and tremie placement of neat cement.

REVIEWED BY: Tim O'Brien

LOGGED BY: Scott Bowers

SOIL BORING LOG

BORING NO:	B5
SHEET 1 OF 1	
PROJECT NAME:	Caltrans: South Oakland Maintenance Station
PROJECT NUMBER: 575-9G014	DATE: 4/7/99
NORTHINGS:	EASTINGS:
DRILLING COMPANY:	Fisch Environmental
DRILLING METHOD:	Direct Push (Geoprobe)
BORING DIAMETER: 2 inch	DEPTH: 20 feet

GROUNDWATER LEVELS

DATE	COMMENTS	DEPTH BGS
4/7/99	Initial	5
4/7/99	stabilized	5

DEPTH (FEET)	SAMPLE NO.	RECOVERY (IN)	SAMPLE INTERVAL	BLOW COUNT	DESCRIPTION	PID (PPM)	USCS	REMARKS
					Silty Clay with some gravel, fine grained gravel, low to medium plasticity, brown, damp, no odor.		CL	Asphalt surface
1								
2								
3								
4								
5		17				0		Groundwater encountered.
6								
7								
8								
9								
10		12				0		
11								
12								
13								
14								
15		21				0		
16								
17								Total Depth = 20 feet
18								Boring drilled to sufficient depth for investigation. Groundwater stabilized at 5 feet bgs.
19		22						Boring converted to temporary groundwater monitoring well.
20						0		Well grouted by removing casing and tremie placement of neat cement.

REVIEWED BY: Tim O'Brien

LOGGED BY: Scott Bowers

SOIL BORING LOG

BORING NO:	B6
SHEET 1 OF 1	
PROJECT NAME:	Caltrans: South Oakland Maintenance Station
PROJECT NUMBER:	575-9G014 DATE: 4/7/99
NORTHINGS:	EASTINGS:
DRILLING COMPANY:	Fisch Environmental
DRILLING METHOD:	Direct Push (Geoprobe)
BORING DIAMETER:	2 inch DEPTH: 20 feet

GROUNDWATER LEVELS

DATE	COMMENTS	DEPTH BGS
4/7/99	initial	8
4/7/99	stabilized	8

DEPTH (FEET)	SAMPLE NO.	RECOVERY (IN)	SAMPLE INTERVAL	BLOW COUNT	DESCRIPTION	PID (PPM)	USCS	REMARKS
					Silty Clay with some fine grained gravel, low to medium plasticity, brown, damp, no odor.		CL	Asphalt surface
1								
2								
3								
4								
5		17				0		
6								
7								
8								Groundwater encountered.
9								
10		12				17.5		
11								
12								
13								
14								
15		21				0		
16								
17								Total Depth = 20 feet
18								Boring drilled to sufficient depth for investigation
19		22						Groundwater stabilized at 8 feet bgs. Boring converted to temporary groundwater monitoring well.
20						0		Well grouted by removing casing and tremie placement of neat cement.

REVIEWED BY: Tim O'Brien

LOGGED BY: Scott Bowers

SOIL BORING LOG

BORING NO:	B7
SHEET 1 OF 2	
PROJECT NAME:	Caltrans: South Oakland Maintenance Station
PROJECT NUMBER:	575-9G014 — DATE: 8/13/99
NORTHINGS:	EASTINGS:
DRILLING COMPANY:	Fisch Environmental
DRILLING METHOD:	Direct Push (Geoprobe)
BORING DIAMETER:	2 inch — DEPTH: 25 feet

GROUNDWATER LEVELS

DATE	COMMENTS	DEPTH BGS
8/13/99	initial	none encountered
8/16/99	stabilized	15

DEPTH (FEET)	SAMPLE NO.	RECOVERY (IN)	SAMPLE INTERVAL	BLOW COUNT	DESCRIPTION	PID (PPM)	USCS	REMARKS
					Poorly Graded Silty Sand with Gravel, fine gravel, brown, moist, low plasticity fines.		SM	Asphalt surface (6")
1								
2								
3								Brick debris
4								
5	B7-5	20			Silty Clay, dark brown, moist, medium plasticity.	0	CL	
6								
7								
8								
9								
10	B7-10	18			Silty Clay, stiff, brown, moist, low plasticity	0		
11								
12								
13								
14								
15	B7-15	21				0		
16								
17								moisture increase to very moist.
18								
19								
20	B7-20				log continues downward.	0		

REVIEWED BY: Tim O'Brien

LOGGED BY: Scott Bowers

SOIL BORING LOG

BORING NO:	B7
SHEET 2 OF 2	

PROJECT NAME:	Caltrans: South Oakland Maintenance Station		
PROJECT NUMBER:	575-9G014	DATE: 8/13/99	
NORTHINGS:		EASTINGS:	
DRILLING COMPANY:	Fisch Environmental		
DRILLING METHOD:	Direct Push (Geoprobe)		
BORING DIAMETER:	2 inch	DEPTH:	25 feet

GROUNDWATER LEVELS

DATE	COMMENTS	DEPTH BGS

DEPTH (FEET)	SAMPLE NO.	RECOVERY (IN)	SAMPLE INTERVAL	BLOW COUNT	DESCRIPTION	PID (PPM)	USCS	REMARKS
					Silty Clay as described above.		CL	
21		24						
22								
23								
24								
25	B7-25	22				0		
26								Total Depth = 25 feet
								Boring drilled to sufficient depth for investigation
								Groundwater stabilized at 15 feet bgs
27								Boring grouted with neat cement.
28								
29								
30								
31								
32								
33								
34								
35								
36								
37								
38								
39								
40								

REVIEWED BY: Tim O'Brien

LOGGED BY: Scott Bowers

SOIL BORING LOG

BORING NO:	B8
SHEET 1 OF 1	
PROJECT NAME:	Caltrans: South Oakland Maintenance Station
PROJECT NUMBER:	575-9G014 — DATE: 8/13/99
NORTHINGS:	EASTINGS:
DRILLING COMPANY:	V & W Drilling
DRILLING METHOD:	Direct Push (Geoprobe)
BORING DIAMETER:	2 inch — DEPTH: 20 feet

GROUNDWATER LEVELS

DATE	COMMENTS	DEPTH BGS
8/13/99	initial	none encountered
8/13/99	stabilized	14.5

DEPTH (FEET)	SAMPLE NO.	RECOVERY (IN)	SAMPLE INTERVAL	BLOW COUNT	DESCRIPTION	PID (PPM)	USCS	REMARKS
					Well graded Silty Sand, fine to coarse sand, brown, low plasticity fines.		SM	Concrete surface (7")
1								
2								
3					Silty Clay, dark brown, moist, medium plasticity.		CL	
4								
5	B8-5	12				0		
6								
7								
8								
9					Gravelly Silty Sand, fine gravel, fine to coarse sand, brown, moist, low plasticity fines.		SM	
10	B8-10	16				0		
11								
12								
13								
14								
15	B8-15	21				0		
16								
17								
18								
19					Silty Clay with Gravel, fine gravel, brown, moist, medium plasticity.		CL	Total Depth = 20 feet Boring drilled to sufficient depth for investigation
20	B8-20					0		Groundwater stabilized at 14.5 feet bgs Boring grouted with neat cement.

REVIEWED BY: Tim O'Brien

LOGGED BY: Scott Bowers

SOIL BORING LOG

BORING NO:	B9
SHEET 1 OF 1	

PROJECT NAME:	Caltrans: South Oakland Maintenance Station		
PROJECT NUMBER:	575-9G014	DATE: 8/13/99	
NORTHINGS:		EASTINGS:	
DRILLING COMPANY:	V & W Drilling		
DRILLING METHOD:	Direct Push (Geoprobe)		
BORING DIAMETER:	2 inch	DEPTH:	15 feet

GROUNDWATER LEVELS

DATE	COMMENTS	DEPTH BGS
8/13/99	initial	11.5

DEPTH (FEET)	SAMPLE NO.	RECOVERY (IN)	SAMPLE INTERVAL	BLOW COUNT	DESCRIPTION	PID (PPM)	USCS	REMARKS
					Well graded Silty Sand, fine to coarse sand, brown, low plasticity fines.		SM	Concrete surface (1") Asphalt (3")
1								
2								
3					Silty Clay, dark brown, moist, medium plasticity.		CL	
4								
5	B9-5	14				0		
6								
7								
8								
9					Gravelly Silty Sand, fine gravel, fine to coarse sand, brown, moist, low plasticity fines.		SM	
10	B9-10	20				0		
11								
12								
13								
14								
15	B9-15	22				0		Total Depth = 15 feet Boring drilled to sufficient depth for investigation Groundwater stabilized at 11.5 feet bgs Boring grouted with neat cement.
16								
17								
18								
19								
20	B9-20							

REVIEWED BY: Tim O'Brien

LOGGED BY: Scott Bowers

OIL BORING LOG

BORING NO:	B10
SHEET	1 OF 1
PROJECT NAME:	CALTRANS SOUTH OAKLAND
PROJECT NUMBER:	1G026
DATE:	8/24/01
DRILLING COMPANY:	V&W
DRILLING METHOD:	DP
BORING DIAMETER:	2"
DEPTH:	28 FEET

GROUNDWATER LEVELS

DATE	COMMENTS	DEPTH BGS
8/24/01	GROUNDWATER ENCOUNTERED	15.5 FEET

DEPTH (FEET)	SAMPLE NO.	RECOVERY (IN)	SAMPLE INTERVAL	BLOW COUNT	DESCRIPTION	PID (PPM)	USCS	REMARKS
2								
4	B10-5.0				SANDY CLAY: WELLGRADED MEDIUM SAND WITH CLAY. BROWN, MOIST			TRACE COARSE FRACTION
9	B10-10.0				CLAYEYGRAVELLY SAND: WELL GRADED FINE TO COARSE SAND WITH FINE GRAVEL & CLAY. BROWN MATRIX MULTICOLORED GRAVEL.			DEBRIS & BRICK IN SAMPLE.
13								
15	B10-15.0				CLAYEY SILT: BROWN, MOIST			CLAY LESSENS DOWN SAMPLE. 0845-H20 LEVEL, RISING RAPIDLY.
19					CLAYEY SANDY GRAVEL: WELL GRADED FINE TO COARSE SAND AND FINE GRAVEL WITH CLAY, MOIST, GRADING TO SLIGHT MOIST, BROWN.			CLAY IN TOP HALF

Reviewed By:

LOGGED BY: CHRIS MERRITT

OIL BORING LOG

BORING NO: B10
SHEET 2 OF 2

PROJECT NAME: CALTRANS SOUTH OAKLAND
PROJECT NUMBER: 1G026 DATE: 8/24/01

DRILLING COMPANY: V&W
DRILLING METHOD: DP
BORING DIAMETER: 2" DEPTH: 28 FEET

GROUNDWATER LEVELS

DATE	COMMENTS	DEPTH BGS
8/24/01	GROUNDWATER ENCOUNTERED	15.5 FEET

DEPTH (FEET)	SAMPLE NO.	RECOVERY (IN)	SAMPLE INTERVAL	BLOW COUNT	DESCRIPTION	PID (PPM)	USCS	REMARKS
					SEE SHEET 1			
1								
2								
3								
4					SAND: WELL GRADED FINE TO MEDIUM			TRACE COARSE POOR H2O ZONE,
5					SAND BROWN, WET, SOME CLAY			HYDRO PUNCHING TO ~28'
					SOME GRAVEL.			
6								
7								
8								GROUNDWATER OBTAINED.
9								TOTAL DEPTH 28 FEET.
								BORING COMPLETED TO DEPTH
10								SUFFICIENT FOR INVESTIGATION.
								BORING GROUTED WITH NEAT CEMENT.
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

Reviewed By: LOGGED BY:

OIL BORING LOG

BORING NO:	B11
SHEET	1 OF 1
PROJECT NAME:	CALTRANS SOUTH OAKLAND
PROJECT NUMBER:	1G026
DATE:	8/24/01
DRILLING COMPANY:	V&W
DRILLING METHOD:	DP
BORING DIAMETER:	2"
DEPTH:	

GROUNDWATER LEVELS

DATE	COMMENTS	DEPTH BGS
8/24/01	GROUNDWATER ENCOUNTERED	~15 FEET

DEPTH (FEET)	SAMPLE NO.	RECOVERY (IN)	SAMPLE INTERVAL	BLOW COUNT	DESCRIPTION	PID (PPM)	USCS	REMARKS
2								
4								
	B11-5.0				SANDY CLAY: WELL GRADED <--M SAND W/CLAY. BROWN MOIST		CL	TRACE COARSE SAND OCCASIONAL GRAVEL
6								
9								
	B11-10				CLAYEY GRAVELLY SAND: WELL GRADED FINE TO COARSE SAND WITH GRAVEL AND CLAY, BROWN, MOIST.			
11								
13							SC	
15	B11-15				AS ABOVE			H2O @1034.
17								HYDROPUNCHED TO 24. GROUNDWATER OBTAINED. BORING COMPLETED TO DEPTH SUFFICIENT FOR INVESTIGATION. BORING GROUTED WITH NEAT CEMENT.
20								

Reviewed By:

LOGGED BY: CHRIS MERRITT

OIL BORING LOG

BORING NO:	B12
SHEET	1 OF 1
PROJECT NAME:	CALTRANS SOUTH OAKLAND
PROJECT NUMBER:	1G026 DATE: 8/24/01
DRILLING COMPANY:	V&W
DRILLING METHOD:	DP
BORING DIAMETER:	2" DEPTH:

GROUNDWATER LEVELS

DATE	COMMENTS	DEPTH BGS
8/24/01	GROUNDWATER ENCOUNTERED	~15 FEET

DEPTH (FEET)	SAMPLE NO.	RECOVERY (IN)	SAMPLE INTERVAL	BLOW COUNT	DESCRIPTION	PID (PPM)	USCS	REMARKS
								1 IN AC
2								
4					SILTY GRAVELLY SAND: WELL GRADED FINE TO MEDIUM SAND WITH FINE GRAVEL AND CLAY BROWN, MOIST.			ALSO SOME CLAY
	B12-5.0							
9								
	B12-10.0				SANDY SILT: SILT WITH POORLY GRADED FINE SAND, BROWN, MOIST, TRACE MEDIUM COARSE, CLAY			
11								
13								
15	B12-15.0				SANDY GRAVEL: WELL GRADED FINE COARSE GRAVEL FINE COARSE SAND			APPROXIMATE FIRST WET AREA.
17								HYDROPUNCHED TO 24. GROUNDWATER OBTAINED. BORING COMPLETED TO DEPTH SUFFICIENT FOR INVESTIGATION. BORING GROUTED WITH NEAT CEMENT.

Viewed By:

LOGGED BY:

SOIL BORING LOG

BORING NO:	B1\MW1
SHEET	1 OF 2
PROJECT NAME:	CALTRANS SOUTH OAKLAND
PROJECT NUMBER:	0G019
DATE:	6/8/00
DRILLING COMPANY:	V&W
DRILLING METHOD:	HSA
BORING DIAMETER:	8 INCHES
DEPTH:	

GROUNDWATER LEVELS

DATE	COMMENTS	DEPTH BGS
6/8/00	INITIAL GROUNDWATER	~15 FEET

DEPTH (FEET)	SAMPLE NO.	RECOVERY (IN)	SAMPLE INTERVAL	BLOW COUNT	DESCRIPTION	PID (PPM)	USCS	REMARKS
								4 inches Asphalt
1					Silty Sandy Gravel: Well graded fine to coarse gravel with fine to coarse sand and silt, mottled dark brown to black, damp.	0	GM	Slight diesel odor, no OVM response
2								
3								
4								
5	B1-5.0			6	Clayey Sand: Poorly graded fine sand with clay, brown, damp.		SC	
				8				
6				10				
7								
8								
9								
10	B1-10.0			6	Clayey Sand: As above	0		
				14				
11				17				
12								
13								
14								
15	B1-15.0			4	Sandy Clay: Poorly graded fine sand with clay, brown, damp			Approximate first water by viod contents.
				4	with saturated voids and channels.			
16				8				
17								
18								
19								
20	B1-20.0			8	Gravelly Sandy Clay: Clay with well graded fine to coarse		GC	

Reviewed By:

LOGGED BY: CHRIS MERRITT

F:\transfer\wfm\in\forms\SOaKBPG\LOGS\B1-MW1

SOIL BORING LOG

BORING NO:	B1\MW1
SHEET	2 OF 2
PROJECT NAME:	CALTRANS SOUTH OAKLAND
PROJECT NUMBER:	0G019
DATE:	6/8/00
DRILLING COMPANY:	V&W
DRILLING METHOD:	HSA
BORING DIAMETER:	8 INCHES
DEPTH:	25 FEET

GROUNDWATER LEVELS

DATE	COMMENTS	DEPTH BGS
6/8/00	INITIAL GROUNDWATER	~15 FEET

DEPTH (FEET)	SAMPLE NO.	RECOVERY (IN)	SAMPLE INTERVAL	BLOW COUNT	DESCRIPTION	PID (PPM)	USCS	REMARKS
				11	gravel and poorly graded fine sand, light tan, damp.		GC	
1				18				
2								
3								
4								
25				8	Sandy Clay: Clay with poorly graded fine sand, brown, damp.		CL	
6				16				
				25				
7								Total depth 25 feet + sample.
8								Screen 25-5 feet.
								Sand 25-3 feet.
9								Chips 3-2 feet.
								Grout/Box 2-0 feet
30								
1								
2								
3								
4								
35								
6								
7								
8								
9								
40								

Reviewed By:

LOGGED BY: CHRIS MERRITT

F:\transfer\admin\forms\SO&kBRGLOGS\B1-MW1

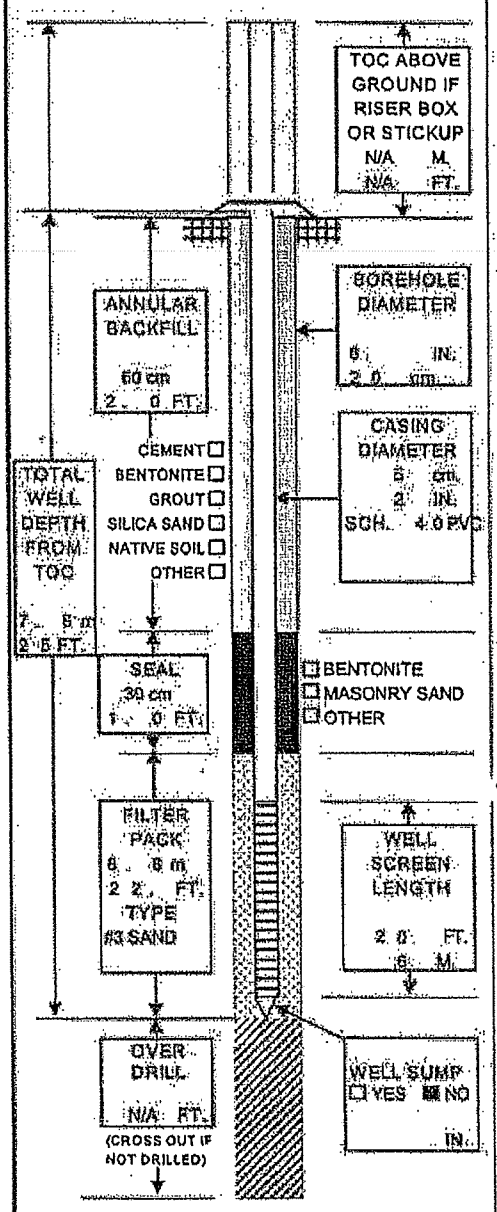
MONITORING WELL CONSTRUCTION DATA

WELL/BORING NO: B1\MW1
PERMIT NO:
DATE: 6/8/00 | PROJECT NAME: CALTRANS SOUTH OAKLAND | PROJECT NO: 0G019

WELL SITE LOCATION PLAN:

SEC: TWN: RGE: LAT: LONG:
DRILLING CO: V & W DRILLING
DRILL CREW:
WELL TYPE: ■ SHALLOW ☐ SINGLE CASED ■ MONITORING
☐ PERMANENT ☐ INTERMEDIATE ☐ DOUBLE CASED ☐ RECOVERY
☐ TEMPORARY ☐ DEEP ☐ OTHER ☐ OTHER

WELL SCHEMATIC



INSTALLATION DATA

DECON. ■ STEAM CLEAN ☐ HIGH PRESSURE WASH ☐ SOAP WASH ☐ OTHER

CASING TYPE: ■ PVC ☐ STAINLESS ☐ TEFLON ☐ OTHER
JOINTS: ■ THREADED ☐ WELDED ☐ COUPLED ☐ SCREWED ☐ OTHER
PIT CASING: ☐ YES ■ NO ☐ DESCRIBE

WELL SCREEN: ■ PVC ☐ STAINLESS ☐ TEFLON ☐ OTHER
DIAMETER: ■ 2" ☐ 4" ☐ 6" ☐ OTHER ____ IN
SLOT: ☐ 0.010 ■ 0.020 ☐ OTHER ____ IN

DRILLING METHOD: ☐ SOLID STEM ■ HOLLOW STEM ☐ MUD ROTARY ☐ AIR ROTARY ☐ DIRECT PUSH ☐ HAND AUGER ☐ OTHER
BIT SIZE: ☐ 2" ☐ 4" ☐ 6" ■ 8" ☐ 12" ☐ OTHER ____ IN
DRILLING MUD: ■ NONE ☐ WATER ☐ BENTONITE ☐ OTHER
CENTRALIZER: ☐ YES ■ NO

COMPLETION: ■ FLUSH MOUNT ☐ STICKUP ☐ RISER BOX
LOCK TYPE: ■ DOLPHIN ☐ MASTER KEY NO. ____ ☐ OTHER
PAD: ☐ 2'X2' ☐ 4'X4' ☐ OTHER

CUTTINGS: ■ DRUMMED NUMBER OF DRUMS 2 ☐ SPREAD ☐ OTHER

DEVELOPMENT METHOD: ☐ NONE ■ BAILING ☐ PUMPING ☐ AIR LIFT ■ SURGE & BLOCK ☐ OTHER
TIME: ■ 10 MIN ☐ 20 MIN ☐ OTHER ____ MIN
AMOUNT: ☐ 5 GAL ■ 10 GAL ☐ OTHER ____ GAL
WATER BEFORE: ☐ SILTY ■ TURBID ☐ OPAQUE ☐ CLEAR
WATER AFTER: ☐ SILTY ☐ TURBID ■ OPAQUE ☐ CLEAR
EVIDENT ODOR: ☐ YES ■ NO TYPE

DEVELOPMENT WATER: ■ DRUMMED NUMBER OF DRUMS 1 ☐ SPREAD ☐ TREATED ☐ POTW ☐ OTHER

WATER LEVEL: INITIAL ~13 FT ☐ BTOC ■ BGS
DATE: 6/27 9.13 FT BELOW TOC
DATE: ____ ____ FT BELOW TOC

NOTES: (DESCRIBE ALL NON-STANDARD METHODS & MATERIALS)

PREPARED BY: CHRIS MEDCALF

PSI
Rev. 12/95

SOIL BORING LOG

BORING NO:	B2\MW2
SHEET 1 OF 1	
PROJECT NAME:	CALTRANS SOUTH OAKLAND
PROJECT NUMBER:	0G019
DATE:	6/8/00
NORTHINGS:	
EASTINGS:	
DRILLING COMPANY:	V&W
DRILLING METHOD:	HSA
BORING DIAMETER:	8 INCHES
DEPTH:	20 FEET

GROUNDWATER LEVELS

DATE	COMMENTS	DEPTH BGS
6/8/00	INITIAL WATER	13 FEET

DEPTH (FEET)	SAMPLE NO.	RECOVERY (IN)	SAMPLE INTERVAL	BLOW COUNT	DESCRIPTION	PID (PPM)	USCS	REMARKS
								4 inches asphalt.
					Silty Sandy Gravel: Well graded fine to coarse gravel with fine to coarse sand and silt, mottled dark brown to black, damp.	0	GM	
4								
	B2-5.0			8	Clayey Sand: Poorly graded fine sand with clay, brown, damp.		SC	Trace fine gravel.
				7				
				12				
9								
	B2-10.0			9	Clayey Silty Sand: Poorly graded fine sand with silt and clay,		SM	
11				14	mottled brown, damp.			
				17				
13								First water.
15				8	Clay: Brown, damp.			
				14				
				18				
								Lost sampler, overdrilled to 20 feet.
								Total depth 20 feet.
								Screened 20-5 feet.
18								Sand 20-3 feet.
								Chips 3-2 feet.
								Grout\Box 2-0 feet.
20								

LOGGED BY: CHRIS MERRITT

MONITORING WELL CONSTRUCTION DATA

WELL/BORING NO: B2MW2
PERMIT NO:
PROJECT NO: 0G010

DATE: 6/8/00 | PROJECT NAME: CALTRANS SOUTH OAKLAND

WELL SITE LOCATION PLAN:

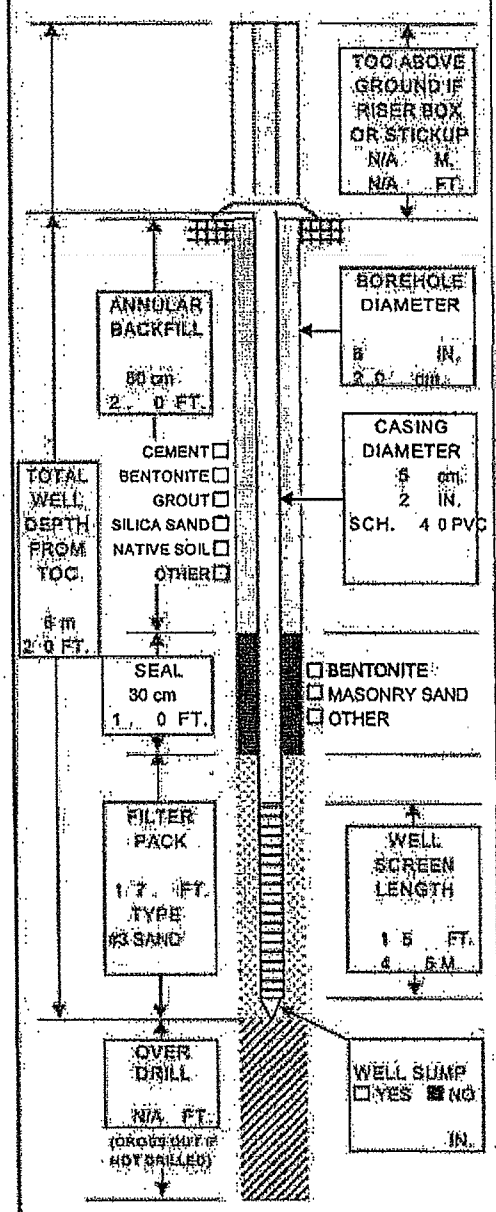
SEC: TWN: RGE: LAT: LONG:

DRILLING CO: V & W DRILLING

DRILL CREW:

WELL TYPE: ■ SHALLOW ☐ SINGLE CASED ■ MONITORING
☐ PERMANENT ☐ INTERMEDIATE ☐ DOUBLE CASED ☐ RECOVERY
☐ TEMPORARY ☐ DEEP ☐ OTHER ☐ OTHER

WELL SCHEMATIC



INSTALLATION DATA

DECON. ■ STEAM CLEAN ☐ HIGH PRESSURE WASH ☐ SOAP WASH ☐ OTHER

CASING TYPE: ■ PVC ☐ STAINLESS ☐ TEFLON ☐ OTHER
JOINTS: ■ THREADED ☐ WELDED ☐ COUPLED ☐ SCREWED ☐ OTHER
PIT CASING: ☐ YES ■ NO ☐ DESCRIBE

WELL SCREEN: ■ PVC ☐ STAINLESS ☐ TEFLON ☐ OTHER
DIAMETER: ■ 2" ☐ 4" ☐ 6" ☐ OTHER IN
SLOT: ☐ 0.010 ■ 0.020 ☐ OTHER IN

DRILLING METHOD: ☐ SOLID STEM ■ HOLLOW STEM ☐ MUD ROTARY ☐ AIR ROTARY ☐ DIRECT PUSH ☐ HAND AUGER ☐ OTHER
BIT SIZE: ☐ 2" ☐ 4" ☐ 6" ■ 8" ☐ 12" ☐ OTHER IN
DRILLING MUD: ☐ NONE ☐ WATER ☐ BENTONITE ☐ OTHER
CENTRALIZER: ☐ YES ■ NO

COMPLETION: ■ FLUSH MOUNT ☐ STICKUP ☐ RISER BOX
LOCK TYPE: ■ DOLPHIN ☐ MASTER KEY NO. ☐ OTHER
PAD: ☐ 2'X2' ☐ 4'X4' ☐ OTHER

CUTTINGS: ■ DRUMMED NUMBER OF DRUMS 1 ☐ SPREAD ☐ OTHER

DEVELOPMENT METHOD: ☐ NONE ■ BAILING ☐ PUMPING ☐ AIR LIFT ■ SURGE & BLOCK ☐ OTHER
TIME: ■ 10 MIN ☐ 20 MIN ☐ OTHER MIN
AMOUNT: ☐ 5 GAL ■ 10 GAL ☐ OTHER GAL
WATER BEFORE: ☐ SILTY ■ TURBID ☐ OPAQUE ☐ CLEAR
WATER AFTER: ☐ SILTY ☐ TURBID ■ OPAQUE ☐ CLEAR
EVIDENT ODOR: ☐ YES ■ NO TYPE

DEVELOPMENT WATER: ■ DRUMMED NUMBER OF DRUMS 1 ☐ SPREAD ☐ TREATED ☐ POTW ☐ OTHER

WATER LEVEL: INITIAL ~13 FT ☐ BTOC ■ BGS
DATE: 6/27/00 9.03 FT BELOW TOC
DATE: FT BELOW TOC

NOTES: (DESCRIBE ALL NON-STANDARD METHODS & MATERIALS)

PREPARED BY: CHRIS MERRITT

PSI
Rev. 12/95

OIL BORING LOG

BORING NO:	B3-MW3
SHEET 1	OF 1

PROJECT NAME:	CALTRANS SOUTH OAKLAND		
PROJECT NUMBER:	0G019	DATE:	6/8/00
NORTHINGS:		EASTINGS:	
DRILLING COMPANY:	V&W		
DRILLING METHOD:	HSA		
BORING DIAMETER:	8 INCHES	DEPTH:	20 FEET

GROUNDWATER LEVELS

DATE	COMMENTS	DEPTH BGS
6/8/00	INITIAL WATER	13 FEET

DEPTH (FEET)	SAMPLE NO.	RECOVERY (IN)	SAMPLE INTERVAL	BLOW COUNT	DESCRIPTION	PID (PPM)	USCS	REMARKS
								4 inches asphalt.
					Silty Sandy Gravel: Well graded fine to coarse gravel with fine to coarse sand and silt, mottled dark brown to black, damp.	0	GM	
2								
5	B3-5.0			6	Clayey Sand: Poorly graded fine sand with clay, brown, damp.	0	SC	Trace fine gravel.
				7				
				12				
7								
9								
	B3-10.0			9	Sandy Clay: Clay with poorly graded fine sand, brown, damp.		CL	
11				12				
				12				
13								First water
	B3-15.0			10	Sandy Clay: As above, light gray.			
16				15				
				18				
18								Total depth 20 feet + sample. Screened 20-8 feet. Sand 20-3 feet. Chips 3-2 feet. Grout/Box 2-0 feet.
				9				
				15				
20	B3-20.0			25				

LOGGED BY: CHRIS MERRITT

MONITORING WELL CONSTRUCTION DATA

WELL/BORING NO: B3\MW3
PERMIT NO:

DATE: 6/8/00 | PROJECT NAME: CALTRANS SOUTH OAKLAND | PROJECT NO: 0G018

WELL SITE LOCATION PLAN:

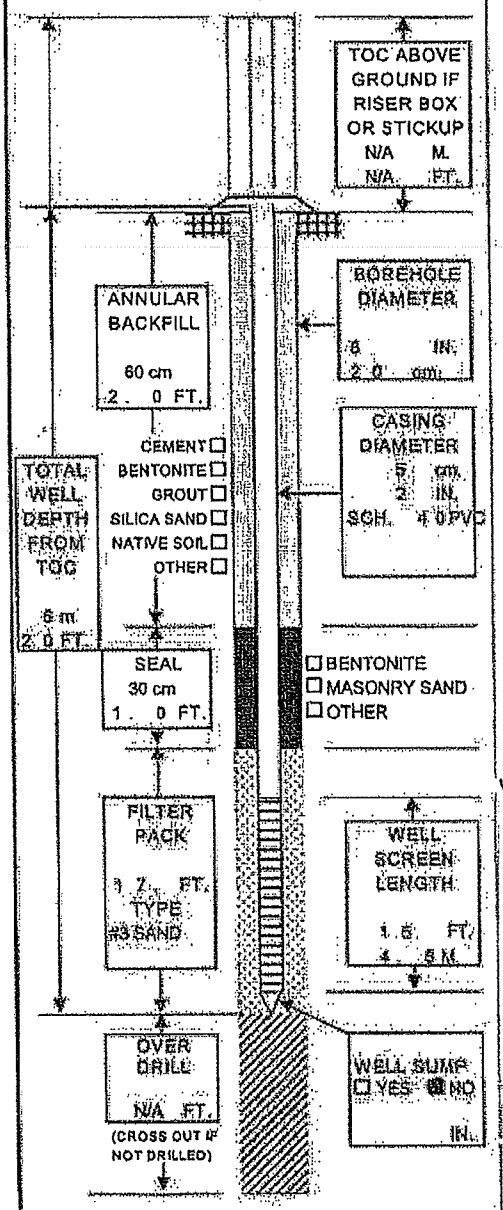
SEC: TWN: RGE: LAT: LONG:

DRILLING CO: V & W DRILLING

DRILL CREW:

WELL TYPE: ■ SHALLOW ☐ SINGLE CASED ■ MONITORING ☐ PERMANENT ☐ INTERMEDIATE ☐ DOUBLE CASED ☐ RECOVERY ☐ TEMPORARY ☐ DEEP ☐ OTHER ☐ OTHER

WELL SCHEMATIC



INSTALLATION DATA

DECON. ■ STEAM CLEAN ☐ HIGH PRESSURE WASH ☐ SOAP WASH ☐ OTHER

CASING TYPE: ■ PVC ☐ STAINLESS ☐ TEFLON ☐ OTHER
JOINTS: ■ THREADED ☐ WELDED ☐ COUPLED ☐ SCREWED ☐ OTHER
PIT CASING: ☐ YES ■ NO ☐ DESCRIBE

WELL SCREEN: ■ PVC ☐ STAINLESS ☐ TEFLON ☐ OTHER
DIAMETER: ■ 2" ☐ 4" ☐ 6" ☐ OTHER ____ IN
SLOT: ☐ 0.010 ■ 0.020 ☐ OTHER ____ IN

DRILLING METHOD: ☐ SOLID STEM ■ HOLLOW STEM ☐ MUD ROTARY ☐ AIR ROTARY ☐ DIRECT PUSH ☐ HAND AUGER ☐ OTHER
BIT SIZE: ☐ 2" ☐ 4" ☐ 6" ■ 8" ☐ 12" ☐ OTHER ____ IN
DRILLING MUD: ☐ NONE ☐ WATER ☐ BENTONITE ☐ OTHER
CENTRALIZER: ☐ YES ■ NO

COMPLETION: ■ FLUSH MOUNT ☐ STICKUP ☐ RISER BOX
LOCK TYPE: ■ DOLPHIN ☐ MASTER KEY NO. ____ ☐ OTHER
PAD: ☐ 2'X2' ☐ 4'X4' ☐ OTHER

CUTTINGS: ■ DRUMMED NUMBER OF DRUMS 1 ☐ SPREAD ☐ OTHER

DEVELOPMENT METHOD: ☐ NONE ■ BAILING ☐ PUMPING ☐ AIR LIFT ■ SURGE & BLOCK ☐ OTHER
TIME: ■ 10 MIN ☐ 20 MIN ☐ OTHER ____ MIN
AMOUNT ☐ 5 GAL ■ 10 GAL ☐ OTHER ____ GAL
WATER BEFORE: ☐ SILTY ■ TURBID ☐ OPAQUE ☐ CLEAR
WATER AFTER: ☐ SILTY ☐ TURBID ■ OPAQUE ☐ CLEAR
EVIDENT ODOR: ☐ YES ■ NO TYPE

DEVELOPMENT WATER: ■ DRUMMED NUMBER OF DRUMS 1 ☐ SPREAD ☐ TREATED ☐ POTW ☐ OTHER

WATER LEVEL: INITIAL ~12.5 FT ☐ BTOC ■ BGS
DATE: 6/27/00 8.76 FT BELOW TOC
DATE: ____ ____ FT BELOW TOC

NOTES: (DESCRIBE ALL NON-STANDARD METHODS & MATERIALS)

PREPARED BY: CHRIS MERRITT

PSI
Rev. 12/95

OIL BORING LOG

BORING NO:	B4\MW4
SHEET	1 OF 2
PROJECT NAME:	CALTRANS SOUTH OAKLAND
PROJECT NUMBER:	0G019
DATE:	6/8/00
DRILLING COMPANY:	V&W
DRILLING METHOD:	HSA
BORING DIAMETER:	8 INCHES
DEPTH:	25 FEET

GROUNDWATER LEVELS:

DATE	COMMENTS	DEPTH BGS
6/8/00	INITIAL WATER	12.5 FEET

DEPTH (FEET)	SAMPLE NO	RECOVERY (IN)	SAMPLE INTERVAL	BLOW COUNT	DESCRIPTION	PID (PPM)	USCS	REMARKS
								4 Inches Asphalt
1					Silty Sandy Gravel: Well graded fine to coarse gravel with fine to coarse sand and silt, mottled dark brown to black, damp.	0	GM	
2								
3								
4								
5	B4-5.0			8	Clayey Sand: Poorly graded fine sand with clay, brown, damp.	0	SC	
6				8				
7				16				
8								
9								
10	B4-10.0			6	Clayey Sand: As above.	0		
11				14				
12				17				
13								First water.
14								
15	B4-15.0			10	Sandy Gravel: Well graded fine to coarse gravel with poorly		GW	2-3 inch zone
16				12	graded medium sand, brown, wet.			
				15	Sand: Poorly graded medium sand, brown, wet.		SP	
17								
18								
19								
20	B4-20.0			9	Clay: Light tan, wet.		CL	

Reviewed By:

LOGGED BY: CHRIS MERRITT

SOIL BORING LOG

BORING NO:	B4\MW4
SHEET	2 OF 2
PROJECT NAME:	CALTRANS SOUTH OAKLAND
PROJECT NUMBER:	0G019
DATE:	6/8/00
DRILLING COMPANY:	V&W
DRILLING METHOD:	HSA
BORING DIAMETER:	8 INCHES
DEPTH:	25 FEET

GROUNDWATER LEVELS

DATE	COMMENTS	DEPTH BGS
6/8/00	INITIAL WATER	12.5 FEET

DEPTH (FEET)	SAMPLE NO.	RECOVERY (IN)	SAMPLE INTERVAL	BLOW COUNT	DESCRIPTION	PID (PPM)	USCS	REMARKS
				6	Clay: Light tan, wet.		CL	
1				10				
2								
3								
4								
5	B4-25.0			8	Sandy Clay: Clay with poorly graded fine sand, brown, damp.		CL	
6				12				
				21				
7								Total depth 25 feet + sample.
8								Screen 25-5 feet
								Sand 25-3 feet
9								Chips 3-2 feet
								Grout\Box 2-0 feet
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

Reviewed By:

LOGGED BY: CHRIS MERRITT

MONITORING WELL CONSTRUCTION DATA

WELL/BORING NO: B4MW4
PERMIT NO:
DATE: 6/8/00 | PROJECT NAME: CALTRANS SOUTH OAKLAND | PROJECT NO: 06019

WELL SITE LOCATION PLAN:

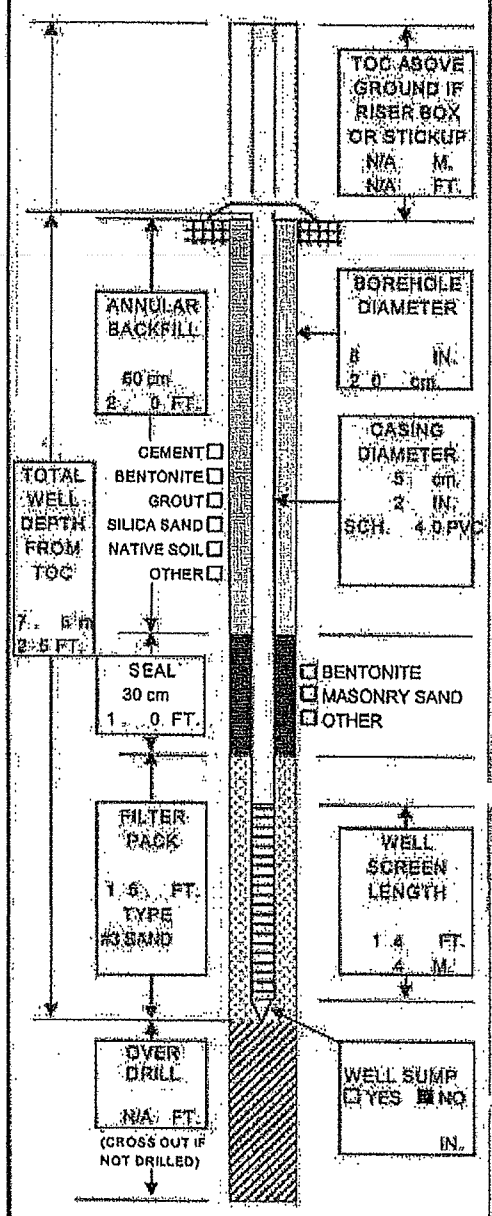
SEC: TWN: RGE: LAT: LONG:

DRILLING CO: V & W DRILLING

DRILL CREW:

WELL TYPE: ■ SHALLOW ☐ SINGLE CASED ■ MONITORING
☐ PERMANENT ☐ INTERMEDIATE ☐ DOUBLE CASED ☐ RECOVERY
☐ TEMPORARY ☐ DEEP ☐ OTHER ☐ OTHER

WELL SCHEMATIC



INSTALLATION DATA

DECON. ■ STEAM CLEAN ☐ HIGH PRESSURE WASH ☐ SOAP WASH ☐ OTHER

CASING TYPE: ■ PVC ☐ STAINLESS ☐ TEFLON ☐ OTHER
JOINTS: ■ THREADED ☐ WELDED ☐ COUPLED ☐ SCREWED ☐ OTHER
PIT CASING: ☐ YES ■ NO ☐ DESCRIBE

WELL SCREEN: ■ PVC ☐ STAINLESS ☐ TEFLON ☐ OTHER
DIAMETER: ■ 2" ☐ 4" ☐ 6" ☐ OTHER ____ IN
SLOT: ☐ 0.010 ■ 0.020 ☐ OTHER ____ IN

DRILLING METHOD: ☐ SOLID STEM ■ HOLLOW STEM ☐ MUD ROTARY ☐ AIR ROTARY ☐ DIRECT PUSH ☐ HAND AUGER ☐ OTHER
BIT SIZE: ☐ 2" ☐ 4" ☐ 6" ■ 8" ☐ 12" ☐ OTHER ____ IN
DRILLING MUD: ☐ NONE ☐ WATER ☐ BENTONITE ☐ OTHER
CENTRALIZER: ☐ YES ■ NO

COMPLETION: ■ FLUSH MOUNT ☐ STICKUP ☐ RISER BOX
LOCK TYPE: ■ DOLPHIN ☐ MASTER KEY NO. ____ ☐ OTHER
PAD: ☐ 2'X2' ☐ 4'X4' ☐ OTHER

CUTTINGS: ■ DRUMMED NUMBER OF DRUMS 2 ☐ SPREAD ☐ OTHER

DEVELOPMENT METHOD: ☐ NONE ■ BAILING ☐ PUMPING ☐ AIR LIFT ■ SURGE & BLOCK ☐ OTHER
TIME: ■ 10 MIN ☐ 20 MIN ☐ OTHER ____ MIN
AMOUNT ☐ 5 GAL ■ 10 GAL ☐ OTHER ____ GAL
WATER BEFORE: ☐ SILTY ■ TURBID ☐ OPAQUE ☐ CLEAR
WATER AFTER: ☐ SILTY ☐ TURBID ■ OPAQUE ☐ CLEAR
EVIDENT ODOR: ☐ YES ■ NO TYPE

DEVELOPMENT WATER: ■ DRUMMED NUMBER OF DRUMS 1 ☐ SPREAD ☐ TREATED ☐ POTW ☐ OTHER

WATER LEVEL: INITIAL ~13 FT ☐ BTOC ■ BGS
DATE: 6/27/00 4.74 FT BELOW TOC
DATE: ____ ____ FT BELOW TOC

NOTES: (DESCRIBE ALL NON-STANDARD METHODS & MATERIALS)

PREPARED BY: CHRIS MERRITT

PSI
Rev. 12/95

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, Assistant Agency Director

Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510)567-6700 FAX (510)337-9335 cc:458

February 5, 1996
StID # 5551

REMEDIAL ACTION COMPLETION CERTIFICATION

Mr. Jack Garcia
Goodwill Industries of Greater East Bay, Inc.
1301 Thirtieth Ave.
Oakland CA 94601

Re: Goodwill Industries, 1301 Thirtieth Ave., Oakland 94601

Dear Mr. Garcia:

This letter confirms the completion of site investigation and remedial action for the seven underground tanks at the above described location; four (4)- virgin motor oil, two (2)-gasoline and one (1)-waste oil.

Based upon the available information and with provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the undeground tank release is required.

This notice is issued pursuant to the regulation contained in Title 23, Division 3, Chapter 16, Section 2721 (e) of the California Code of Regulations.

Please contact Barney Chan at (510) 567-6765 if you have any questions regarding this matter.

Sincerely,

Jun Makishima

Jun Makishima
Acting Agency Director

c: G. Coleman, Acting Chief, Hazardous Materials Division-files
Kevin Graves, RWQCB
Mike Harper, SWRCB
RACC1301

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION Date: November 27, 1995

Agency name: Alameda County-HazMat Address: 1131 Harbor Bay Pkwy
City/State/Zip: Alameda, CA 94502 Phone: (510) 567-6700
Responsible staff person: Barney Chan Title: Haz. Materials Specialist

II. CASE INFORMATION

Site facility name: Goodwill Industries of the Greater East Bay, Inc.
Site facility address: 1301 Thirtieth Avenue, Oakland, CA 94601
RB LUSTIS Case No: N/A Local Case No./LOP Case No.: 5551
URF filing date: 6/3/92 SWEEPS No: N/A

Responsible Parties:	Addresses:	Phone Numbers:
Mr. Jack Garcia c/o Goodwill Industries,	3101 30th Ave., Oakland, CA 94601	(510)534-6666

Tank No:	Size in gal.:	Contents:	Closed in-place or removed?:	Date:
1	1100	motor oil	removed	07/06/1995
2	1100	motor oil	removed	07/06/1995
3	600	motor oil	removed	07/06/1995
4	600	motor oil	removed	07/06/1995
5	10000	gasoline	removed	09/01/1995
6	10000	gasoline	removed	09/01/1995
7	550	waste oil	removed	09/01/1995

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: suspected leak-holes observed in bottom of tank # 4.
Site characterization complete? YES
Date approved by oversight agency;
Monitoring Wells installed? Number:
Proper screened interval? N/A
Highest GW depth below ground surface: N/A Lowest depth: N/A
Flow direction:
Most sensitive current use: undetermined
Are drinking water wells affected? NO Aquifer name: N/A
Is surface water affected? NO Nearest affected SW name: N/A
Off-site beneficial use impacts (addresses/locations): N/A

Report(s) on file? YES Where is report(s) filed? Alameda County
1131 Harbor Bay Pkwy
Alameda, CA 94502

Treatment and Disposal of Affected Material:

Material	Amount (include units)	Action (Treatment or Disposal w/destination)	Date
Tank	2-1100gal motor oil	disposal/Erickson,Richmond CA	7/6/95
Tank	2-600gal motor oil	disposal/Erickson,Richmond CA	7/6/95
Tank	2-10000gal gasoline	disposal/Erickson,Richmond CA	9/1/95
Tank	1-550gal waste oil	disposal/Erickson,Richmond CA	9/1/95
Piping*			
Free Product			
Soil	234 cubic yards	disposal/BFI Vasco Road	8/2-3/95 9/15/95
Groundwater	136.43 tons	Treatment/Decon Environmental	7/27/95
Barrels			
Tank rinsate			

***Product piping capped and left in place.**

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant		Soil (ppm) Before	Soil (ppm) After	Water (ppb) Before	Water (ppb) After
TPH (Gas)		1.9***	2.5**	NA	NA
TPH (Diesel)		NA	NA	NA	NA
Benzene		<0.005*	0.013**	NA	NA
Toluene		0.053*	0.0099**	NA	NA
Ethylbenzene		1.1*	0.001**	NA	NA
Xylenes		0.92*	0.025[1]	NA	NA
Oil & Grease		20,000	1500[2]	NA	NA
Heavy metals-	Ni	65	65	NA	NA
	Zn	53	53	NA	NA
	Cr	38	38	NA	NA
	Cd	<0.25	<0.25	NA	NA
	Pb	19	19	NA	NA
Other - organic lead		NA	NA	NA	NA

***This concentration was detected for sample P-6, a soil sample collected from beneath the gasoline piping run.

**These concentrations were detected for sample B-2, a soil sample collected at 16' bgs during overexcavation of virgin motor oil tank pit.

*These concentrations were detected for sample DSP-1, a soil sample collected from the stockpiled soils from the gasoline UST excavation.

---

[1]This concentration was detected for sample P-3, collected from the piping trench.

[2]This concentration was detected for sample P-1 ,collected from the piping trench.

Comments (Depth of Remediation, etc.):

On July 6, 1995, two (2) 1100-gallon and two (2) 600-gallon virgin motor oil underground storage tanks were removed (Decon Environmental Services, Inc.). Samples taken from below the ends of the four tanks (six samples in total) were analyzed for oil and grease (5520E&F). Soil samples #1, #4 and #5 detected 770 mg/kg, 1500mg/kg and 81 mg/kg total oil and grease, respectively. Soil samples 2, 3 and 6 had non-detectable concentrations of oil and grease (<50 mg/kg). Five soil samples collected from the stockpiled soil (CSP-1, P-1, P-2, P-3 and P-4) also contained detectable concentrations of oil and grease (310 mg/kg, 860 mg/kg, 20,000 mg/kg, 3100 mg/kg and 18,000 mg/kg), respectively. (See Figure 1)

On July 27, 1995 a soil over-excavation was performed on the tank pit which previously held the two 1100-gallon product motor oil tanks and the two 600-gallon product motor oil tanks. Soils were overexcavated in the areas of soil samples # 1 and #4. Confirmation soil sample B-1 had detectable concentrations of oil and grease (710 mg/kg), but was not analyzed for BTEX. Confirmation soil sample B-2 had non-detectable concentrations of oil and grease, but had detectable concentrations of TPHg (2,500 ug/kg), benzene (13 ug/kg), toluene (9.9 ug/kg), ethyl benzene (10 ug/kg) and non-detectable levels of total xylenes. (See Figure 2)

On September 1, 1995, two (2) 10,000-gallon gasoline and one (1) 550-gallon waste oil storage tanks were removed (Decon Environmental Services). Four soil samples (NE-1, NW-1, SE-1 and SW-1) were collected from the ends of the two 10,000-gallon gasoline underground storage tanks, at the NE (at 13'10" bgs), NW (at 14' bgs), SE (at 13' bgs) and SW (at 14'4" bgs) corners of the excavation pit, respectively. One (1) soil sample (WO-1) was collected from beneath the waste oil tank at a depth of 11.5' bgs. Five (5) soil samples were collected from the stockpiled soils (CSP-1, CSP-2, CSP-3 ,CSP-4 and CSP-5) associated with the gasoline USTs and one soil sample (WOSP-1) was collected from the stockpiled soils associated with the waste oil UST. In addition, a composite soil sample (DSP-1) was collected from the stockpiled soils located near the SE corner of the gasoline UST excavation. (See Figures 3 and 4)

Soil samples NE-1, NW-1, SE-1, SW-1, WO-1, CSP-1, CSP-2 CSP-4 and CSP-5 contained non-detectable concentrations of TPHg, BTEX and MTBE. Stockpiled soil sample CSP-3 detected 640 ug/kg-TPHg, 6.1 ug/kg-toluene, 7.1 ug/kg-ethylbenzene and 31 ug/kg-total xylenes. Stockpiled soil sample DSP-1 detected 63,000 ug/kg -TPHg, 53 ug/kg-toluene, 1,100 ug/kg-ethyl benzene and 920 ug/kg-total xylenes.

All stockpiled soils (excluding soils associated with soil sample DSP-1) were reintroduced into the excavation with prior approval of ACHCSA. The stockpiled soils associated with soil sample DSP-1 was profiled and disposed of at BFI-Vasco Road Landfill in Livermore, California.

On September 15, 1995, two (2) soil samples were collected below piping exposed at the previous excavation. Soil sample GP-1 was collected from

beneath the gasoline piping entering the gasoline tank pit excavation and soil sample WOP-1 was collected beneath the waste oil piping as it entered the waste oil tank pit excavation. Soil sample WOP-1 was found to contain non-detectable concentrations of oil and grease and soil sample (GP-1) was found to contain non-detectable concentrations of TPHg, BTEX and MTBE.

On September 28, 1995, soils beneath the piping associated with the gasoline fuel tank delivery lines and the virgin motor oil delivery lines were sampled. A total of twelve (12) soil samples were collected (P-1 through P-8, and P-10 through P-13) and analyzed for oil and grease (samples P-1, P-2, P-3, P-4 and P-13), TPHg, BTEX and MTBE (samples P-3, P-4, P-5, P-6, P-7, P-8, P-10, P-11 and P-12).

Soil samples P-1 and P-2 detected 1,500,000 ug/kg and 90,000 ug/kg-oil and grease, respectively. Soil sample P-6 detected 1,900 ug/kg-TPHg, and soil sample P-3 detected 25 ug/kg-total xylenes. All other soil samples were found to contain non-detectable concentrations of target analytes, TPHg, BTEX and TOG. (See Figure 5)

The piping was capped prior to backfilling the gasoline and waste oil excavations.

See Section VII, Additional Comments, etc...

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? YES
Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? YES
Does corrective action protect public health for current land use? YES
Site management requirements: None

Should corrective action be reviewed if land use changes? YES
Monitoring wells Decommissioned: None
Number Decommissioned: N/A Number Retained:
List enforcement actions taken:
List enforcement actions rescinded:

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: **Dale H. Klettke** Title: **Haz Mat Specialist**

Signature: Dale H. Klettke Date: 11/27/95

Reviewed by

Name: **Barney Chan** Title: **Haz Mat Specialist**

Signature: Barney Chan Date: 11/27/95

Name: **Eva Chu** Title: **Haz Mat Specialist**

Signature: [illegible] Date: 11/28/95

VI. RWQCB NOTIFICATION

Date Submitted to RB: RB Response:

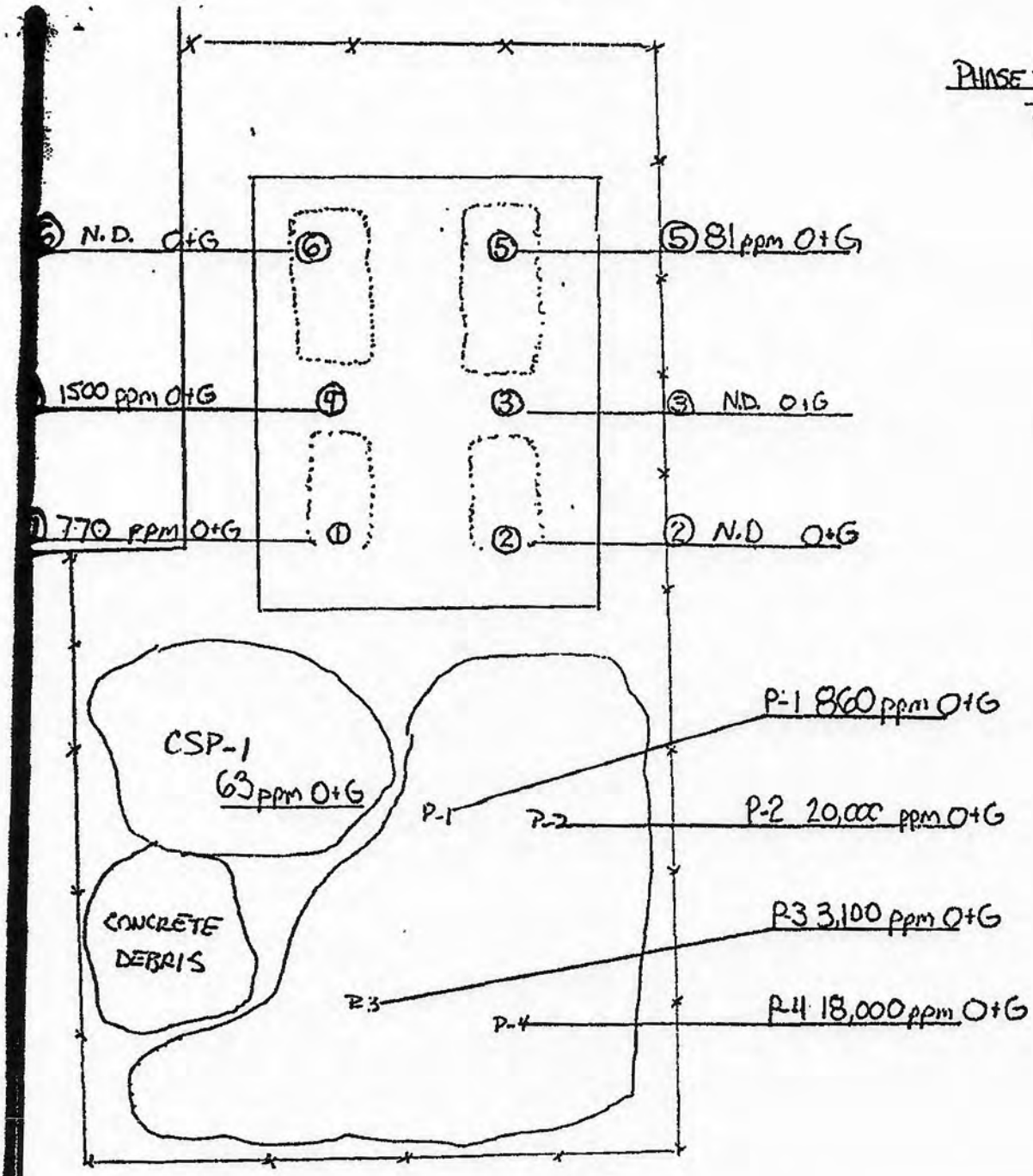
RWQCB Staff Name: **Kevin Graves** Title: **AWRCE**

Signature: Date:

VII. ADDITIONAL COMMENTS, DATA, ETC.

Seven (7) USTs were removed at this site from three (3) tank pits. Four virgin motor oil tanks, one waste oil tank and two gasoline tanks were originally located in these three tank pits. Soil samples collected from beneath the waste oil UST and the 2-10,000 gallon gasoline USTs were found to contain non-detectable concentrations of TPHg and oil & grease. Soil samples were collected approximately every twenty (20) linear feet from beneath the piping delivery lines for the gasoline and virgin motor oil tanks. Of the twelve (12) discrete soil samples taken from the piping run, only four (4) samples detected concentrations of TPHg, oil & grease and total xylenes, whereas no BTE or MTBE was detected. Soil samples P-1 and P-2 detected oil & grease at concentrations of 1500 ppm and 90 ppm, respectively. Soil sample P-3 detected 25 ppb of total xylenes, and soil sample P-6 detected 1.9 ppm-TPH gasoline. The only significant petroleum release detected was from beneath the virgin oil USTs. Residual oil & grease concentrations of 1500 ppm and low levels of TPHg and BTEX remain. Based on the limited amount of residual soil contamination and the limited migration potential and water solubility of oil and grease, a groundwater investigation is not recommended.

PHASE I SAMPLING
7/6/95



P-1 – 4 DISCREET SAMPLES.
DEPTHS OF SAMPLES NOTED ON CHAIN OF CUSTODY

FIG 1.
Four motor oil USTs removed on July 6, 1995

30th St.

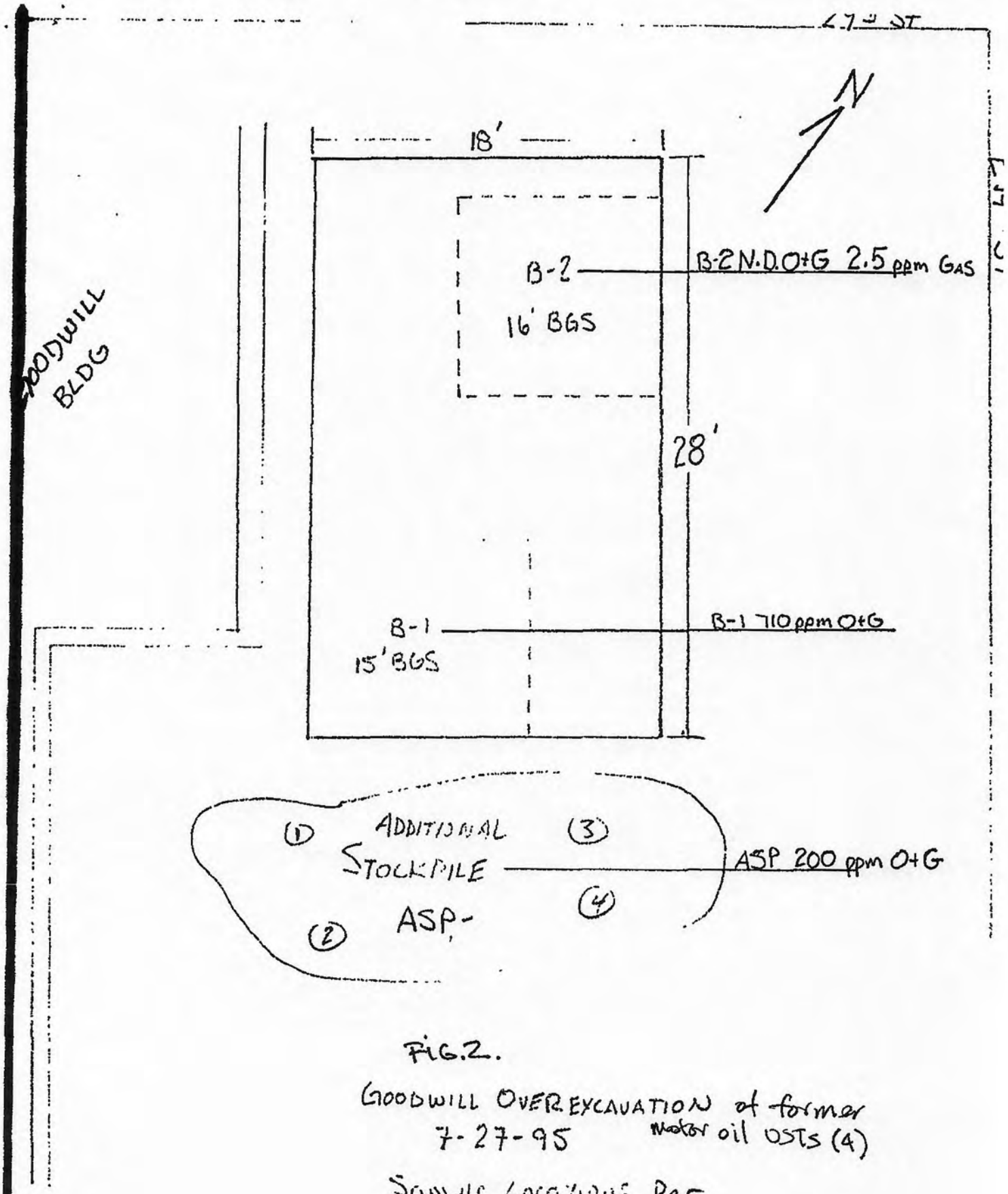


FIG. 2.

GOODWILL OVEREXCAVATION of former motor oil USTs (4)
7-27-95

Sample Locations Per
B. Chan ACDEH

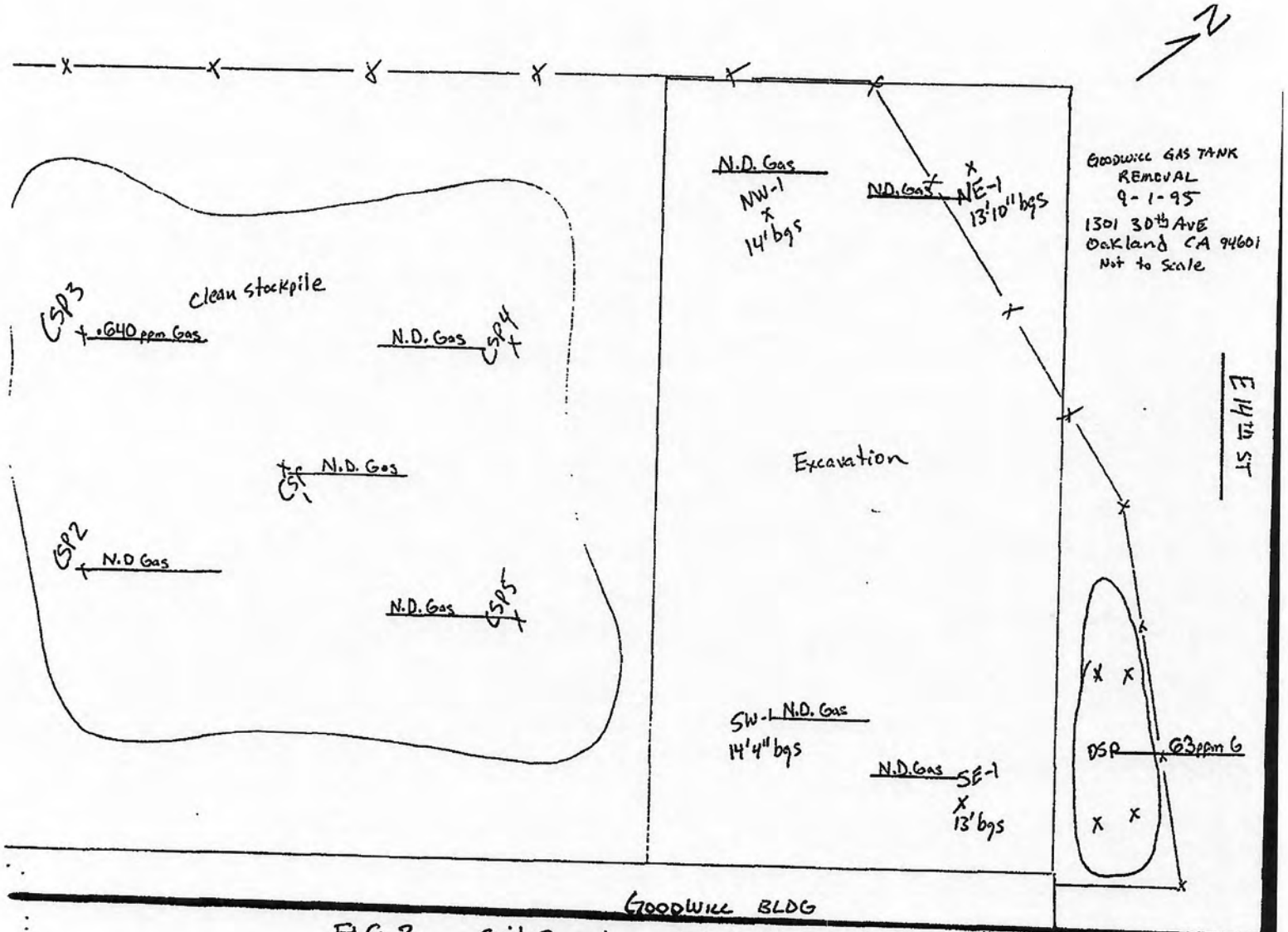


FIG 3. Soil Sampling at gasoline UST excavation

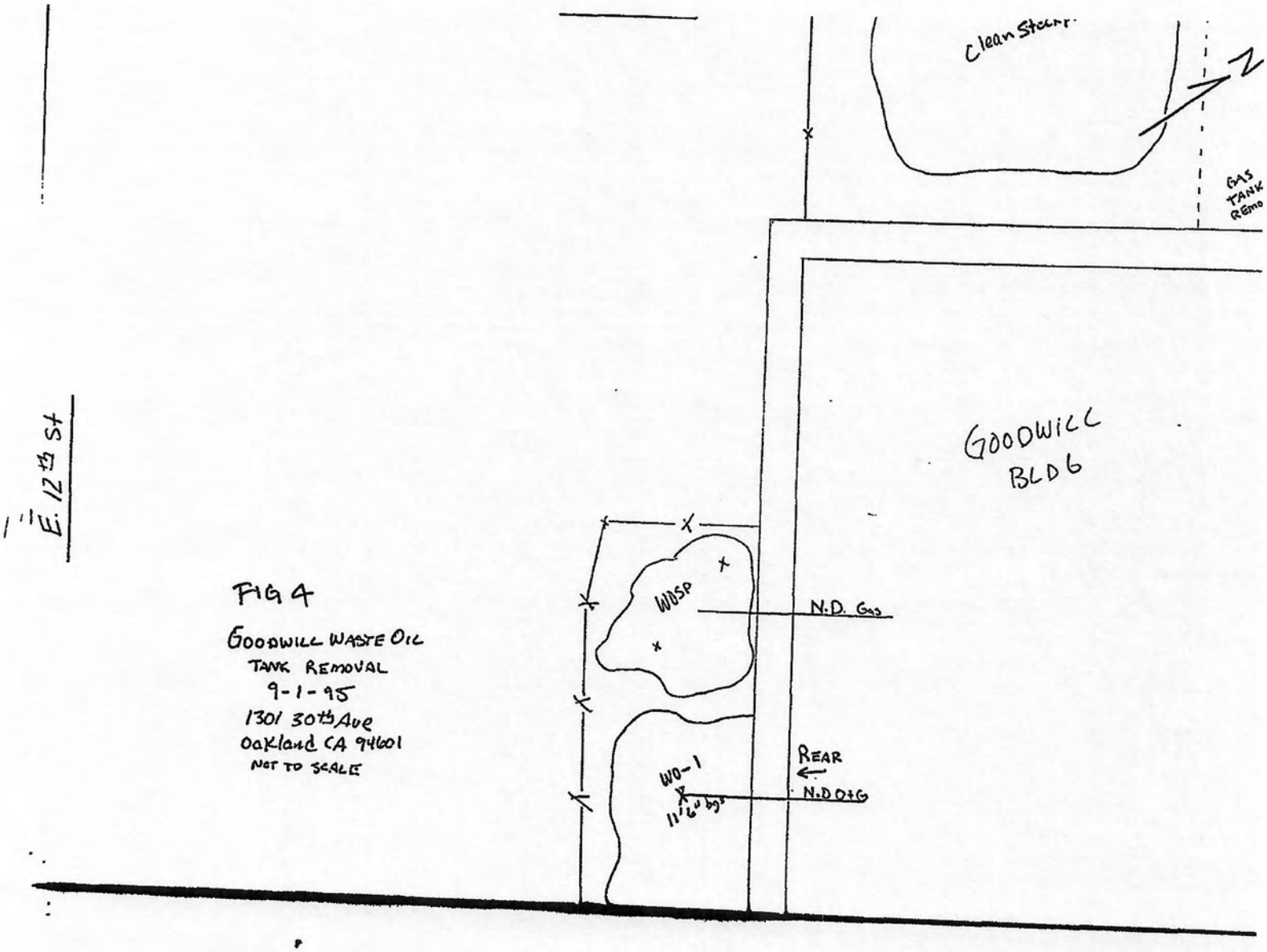
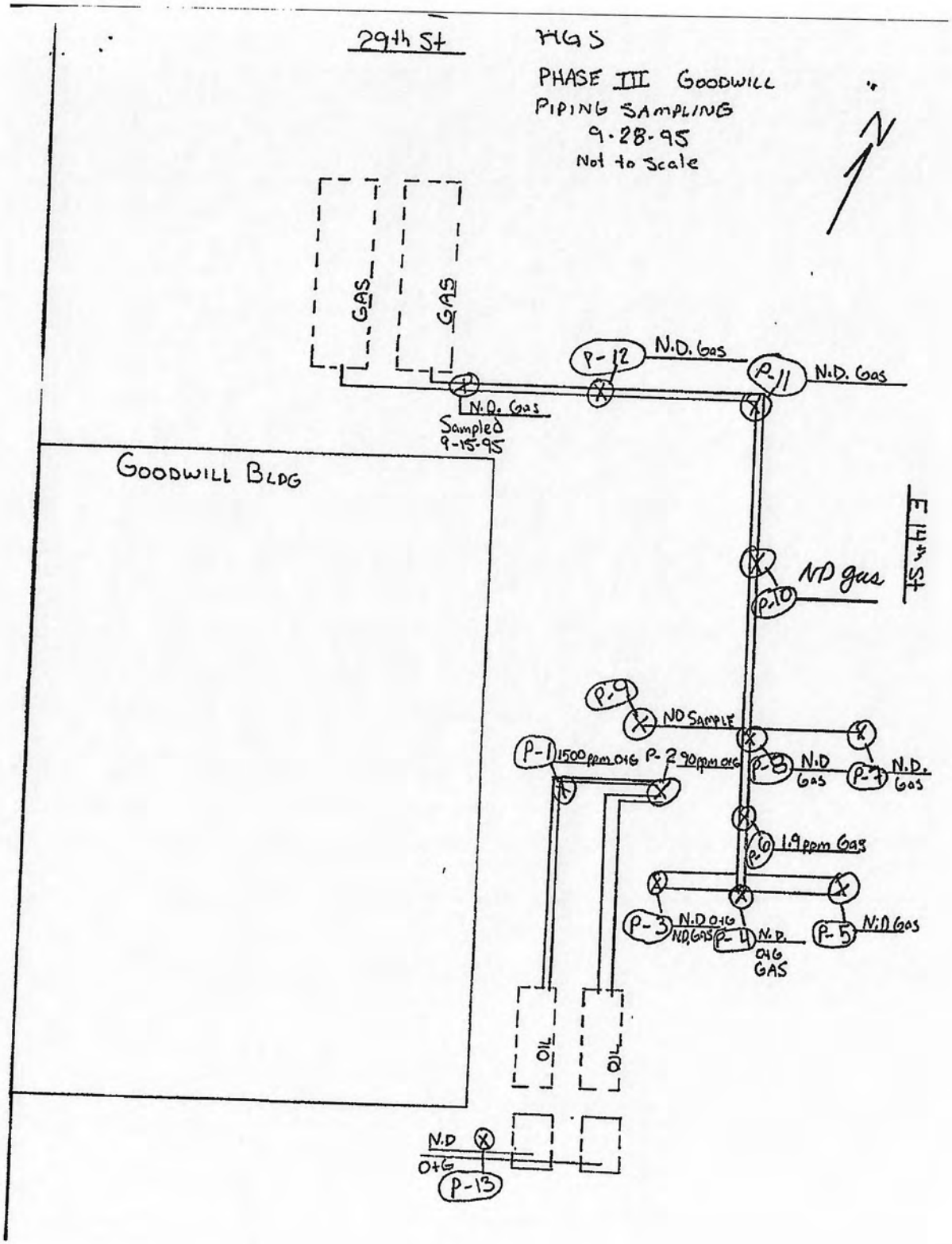


FIG 4

GOODWILL WASTE OIL
TANK REMOVAL
9-1-95
1301 30th Ave
Oakland CA 94601
NOT TO SCALE


29th St
HGS
PHASE III GOODWILL
PIPING SAMPLING
9-28-95
Not to Scale
N
GAS
GAS
P-12
N.D. Gas
P-11
N.D. Gas
N.D. Gas
Sampled
9-15-95
GOODWILL BLDG
E 14th St
ND gas
P-10
P-9
ND SAMPLE
P-1 1500ppm O+G
P-2 90ppm O+G
P-8
N.D
Gas
P-7
N.D.
Gas
P-6
1.9ppm Gas
P-3
N.D O+G
ND GAS
P-4
N.D.
O+G
GAS
P-5
N.D Gas
OIL
OIL
N.D
O+G
P-13

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, Assistant Agency Director

Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510)567-6700 FAX (510)337-9335 cc:458

February 5, 1996
StID # 5551

REMEDIAL ACTION COMPLETION CERTIFICATION

Mr. Jack Garcia
Goodwill Industries of Greater East Bay, Inc.
1301 Thirtieth Ave.
Oakland CA 94601

Re: Goodwill Industries, 1301 Thirtieth Ave., Oakland 94601

Dear Mr. Garcia:

This letter confirms the completion of site investigation and remedial action for the seven underground tanks at the above described location; four (4)- virgin motor oil, two (2)-gasoline and one (1)-waste oil.

Based upon the available information and with provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the undeground tank release is required.

This notice is issued pursuant to the regulation contained in Title 23, Division 3, Chapter 16, Section 2721 (e) of the California Code of Regulations.

Please contact Barney Chan at (510) 567-6765 if you have any questions regarding this matter.

Sincerely,

Jun Makishima

Jun Makishima
Acting Agency Director

c: G. Coleman, Acting Chief, Hazardous Materials Division-files
Kevin Graves, RWQCB
Mike Harper, SWRCB
RACC1301

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION Date: November 27, 1995

Agency name: Alameda County-HazMat Address: 1131 Harbor Bay Pkwy
City/State/Zip: Alameda, CA 94502 Phone: (510) 567-6700
Responsible staff person: Barney Chan Title: Haz. Materials Specialist

II. CASE INFORMATION

Site facility name: Goodwill Industries of the Greater East Bay, Inc.
Site facility address: 1301 Thirtieth Avenue, Oakland, CA 94601
RB LUSTIS Case No: N/A Local Case No./LOP Case No.: 5551
URF filing date: 6/3/92 SWEEPS No: N/A

Responsible Parties:	Addresses:	Phone Numbers:
Mr. Jack Garcia c/o Goodwill Industries,	3101 30th Ave., Oakland, CA 94601	(510)534-6666

Tank No:	Size in gal.:	Contents:	Closed in-place or removed?:	Date:
1	1100	motor oil	removed	07/06/1995
2	1100	motor oil	removed	07/06/1995
3	600	motor oil	removed	07/06/1995
4	600	motor oil	removed	07/06/1995
5	10000	gasoline	removed	09/01/1995
6	10000	gasoline	removed	09/01/1995
7	550	waste oil	removed	09/01/1995

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: suspected leak-holes observed in bottom of tank # 4.
Site characterization complete? YES
Date approved by oversight agency;
Monitoring Wells installed? Number:
Proper screened interval? N/A
Highest GW depth below ground surface: N/A Lowest depth: N/A
Flow direction:
Most sensitive current use: undetermined
Are drinking water wells affected? NO Aquifer name: N/A
Is surface water affected? NO Nearest affected SW name: N/A
Off-site beneficial use impacts (addresses/locations): N/A

Report(s) on file? YES Where is report(s) filed? Alameda County
1131 Harbor Bay Pkwy
Alameda, CA 94502

Treatment and Disposal of Affected Material:

Material	Amount (include units)	Action (Treatment or Disposal w/destination)	Date
Tank	2-1100gal motor oil	disposal/Erickson,Richmond CA	7/6/95
Tank	2-600gal motor oil	disposal/Erickson,Richmond CA	7/6/95
Tank	2-10000gal gasoline	disposal/Erickson,Richmond CA	9/1/95
Tank	1-550gal waste oil	disposal/Erickson,Richmond CA	9/1/95
Piping*			
Free Product			
Soil	234 cubic yards	disposal/BFI Vasco Road	8/2-3/95 9/15/95
Groundwater	136.43 tons	Treatment/Decon Environmental	7/27/95
Barrels			
Tank rinsate			

***Product piping capped and left in place.**

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant		Soil (ppm) Before	Soil (ppm) After	Water (ppb) Before	Water (ppb) After
TPH (Gas)		1.9***	2.5**	NA	NA
TPH (Diesel)		NA	NA	NA	NA
Benzene		<0.005*	0.013**	NA	NA
Toluene		0.053*	0.0099**	NA	NA
Ethylbenzene		1.1*	0.001**	NA	NA
Xylenes		0.92*	0.025[1]	NA	NA
Oil & Grease		20,000	1500[2]	NA	NA
Heavy metals-	Ni	65	65	NA	NA
	Zn	53	53	NA	NA
	Cr	38	38	NA	NA
	Cd	<0.25	<0.25	NA	NA
	Pb	19	19	NA	NA
Other - organic lead		NA	NA	NA	NA

***This concentration was detected for sample P-6, a soil sample collected from beneath the gasoline piping run.

**These concentrations were detected for sample B-2, a soil sample collected at 16' bgs during overexcavation of virgin motor oil tank pit.

*These concentrations were detected for sample DSP-1, a soil sample collected from the stockpiled soils from the gasoline UST excavation.

---

[1]This concentration was detected for sample P-3, collected from the piping trench.

[2]This concentration was detected for sample P-1 ,collected from the piping trench.

Comments (Depth of Remediation, etc.):

On July 6, 1995, two (2) 1100-gallon and two (2) 600-gallon virgin motor oil underground storage tanks were removed (Decon Environmental Services, Inc.). Samples taken from below the ends of the four tanks (six samples in total) were analyzed for oil and grease (5520E&F). Soil samples #1, #4 and #5 detected 770 mg/kg, 1500mg/kg and 81 mg/kg total oil and grease, respectively. Soil samples 2, 3 and 6 had non-detectable concentrations of oil and grease (<50 mg/kg). Five soil samples collected from the stockpiled soil (CSP-1, P-1, P-2, P-3 and P-4) also contained detectable concentrations of oil and grease (310 mg/kg, 860 mg/kg, 20,000 mg/kg, 3100 mg/kg and 18,000 mg/kg), respectively. (See Figure 1)

On July 27, 1995 a soil over-excavation was performed on the tank pit which previously held the two 1100-gallon product motor oil tanks and the two 600-gallon product motor oil tanks. Soils were overexcavated in the areas of soil samples # 1 and #4. Confirmation soil sample B-1 had detectable concentrations of oil and grease (710 mg/kg), but was not analyzed for BTEX. Confirmation soil sample B-2 had non-detectable concentrations of oil and grease, but had detectable concentrations of TPHg (2,500 ug/kg), benzene (13 ug/kg), toluene (9.9 ug/kg), ethyl benzene (10 ug/kg) and non-detectable levels of total xylenes. (See Figure 2)

On September 1, 1995, two (2) 10,000-gallon gasoline and one (1) 550-gallon waste oil storage tanks were removed (Decon Environmental Services). Four soil samples (NE-1, NW-1, SE-1 and SW-1) were collected from the ends of the two 10,000-gallon gasoline underground storage tanks, at the NE (at 13'10" bgs), NW (at 14' bgs), SE (at 13' bgs) and SW (at 14'4" bgs) corners of the excavation pit, respectively. One (1) soil sample (WO-1) was collected from beneath the waste oil tank at a depth of 11.5' bgs. Five (5) soil samples were collected from the stockpiled soils (CSP-1, CSP-2, CSP-3 ,CSP-4 and CSP-5) associated with the gasoline USTs and one soil sample (WOSP-1) was collected from the stockpiled soils associated with the waste oil UST. In addition, a composite soil sample (DSP-1) was collected from the stockpiled soils located near the SE corner of the gasoline UST excavation. (See Figures 3 and 4)

Soil samples NE-1, NW-1, SE-1, SW-1, WO-1, CSP-1, CSP-2 CSP-4 and CSP-5 contained non-detectable concentrations of TPHg, BTEX and MTBE. Stockpiled soil sample CSP-3 detected 640 ug/kg-TPHg, 6.1 ug/kg-toluene, 7.1 ug/kg-ethylbenzene and 31 ug/kg-total xylenes. Stockpiled soil sample DSP-1 detected 63,000 ug/kg -TPHg, 53 ug/kg-toluene, 1,100 ug/kg-ethyl benzene and 920 ug/kg-total xylenes.

All stockpiled soils (excluding soils associated with soil sample DSP-1) were reintroduced into the excavation with prior approval of ACHCSA. The stockpiled soils associated with soil sample DSP-1 was profiled and disposed of at BFI-Vasco Road Landfill in Livermore, California.

On September 15, 1995, two (2) soil samples were collected below piping exposed at the previous excavation. Soil sample GP-1 was collected from

beneath the gasoline piping entering the gasoline tank pit excavation and soil sample WOP-1 was collected beneath the waste oil piping as it entered the waste oil tank pit excavation. Soil sample WOP-1 was found to contain non-detectable concentrations of oil and grease and soil sample (GP-1) was found to contain non-detectable concentrations of TPHg, BTEX and MTBE.

On September 28, 1995, soils beneath the piping associated with the gasoline fuel tank delivery lines and the virgin motor oil delivery lines were sampled. A total of twelve (12) soil samples were collected (P-1 through P-8, and P-10 through P-13) and analyzed for oil and grease (samples P-1, P-2, P-3, P-4 and P-13), TPHg, BTEX and MTBE (samples P-3, P-4, P-5, P-6, P-7, P-8, P-10, P-11 and P-12).

Soil samples P-1 and P-2 detected 1,500,000 ug/kg and 90,000 ug/kg-oil and grease, respectively. Soil sample P-6 detected 1,900 ug/kg-TPHg, and soil sample P-3 detected 25 ug/kg-total xylenes. All other soil samples were found to contain non-detectable concentrations of target analytes, TPHg, BTEX and TOG. (See Figure 5)

The piping was capped prior to backfilling the gasoline and waste oil excavations.

See Section VII, Additional Comments, etc...

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? YES
Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? YES
Does corrective action protect public health for current land use? YES
Site management requirements: None

Should corrective action be reviewed if land use changes? YES
Monitoring wells Decommissioned: None
Number Decommissioned: N/A Number Retained:
List enforcement actions taken:
List enforcement actions rescinded:

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: **Dale H. Klettke** Title: **Haz Mat Specialist**

Signature: Dale H. Klettke Date: 11/27/95

Reviewed by

Name: **Barney Chan** Title: **Haz Mat Specialist**

Signature: Barney Chan Date: 11/27/95

Name: **Eva Chu** Title: **Haz Mat Specialist**

Signature: [illegible] Date: 11/28/95

VI. RWQCB NOTIFICATION

Date Submitted to RB: RB Response:

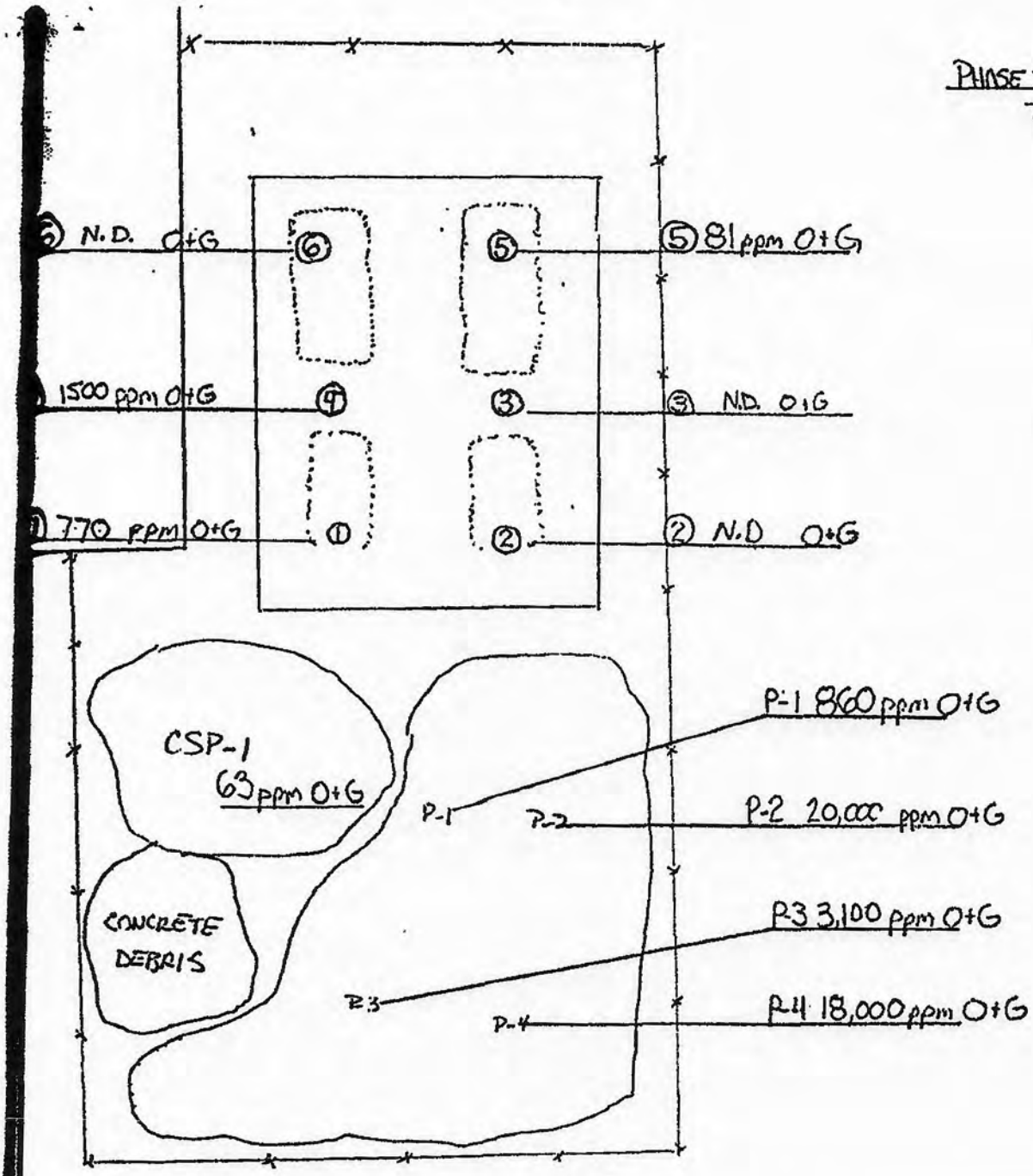
RWQCB Staff Name: **Kevin Graves** Title: **AWRCE**

Signature: Date:

VII. ADDITIONAL COMMENTS, DATA, ETC.

Seven (7) USTs were removed at this site from three (3) tank pits. Four virgin motor oil tanks, one waste oil tank and two gasoline tanks were originally located in these three tank pits. Soil samples collected from beneath the waste oil UST and the 2-10,000 gallon gasoline USTs were found to contain non-detectable concentrations of TPHg and oil & grease. Soil samples were collected approximately every twenty (20) linear feet from beneath the piping delivery lines for the gasoline and virgin motor oil tanks. Of the twelve (12) discrete soil samples taken from the piping run, only four (4) samples detected concentrations of TPHg, oil & grease and total xylenes, whereas no BTE or MTBE was detected. Soil samples P-1 and P-2 detected oil & grease at concentrations of 1500 ppm and 90 ppm, respectively. Soil sample P-3 detected 25 ppb of total xylenes, and soil sample P-6 detected 1.9 ppm-TPH gasoline. The only significant petroleum release detected was from beneath the virgin oil USTs. Residual oil & grease concentrations of 1500 ppm and low levels of TPHg and BTEX remain. Based on the limited amount of residual soil contamination and the limited migration potential and water solubility of oil and grease, a groundwater investigation is not recommended.

PHASE I SAMPLING
7/6/95



P-1 – 4 DISCREET SAMPLES.
DEPTHS OF SAMPLES NOTED ON CHAIN OF CUSTODY

FIG 1.
Four motor oil USTs removed on July 6, 1995

30th St.

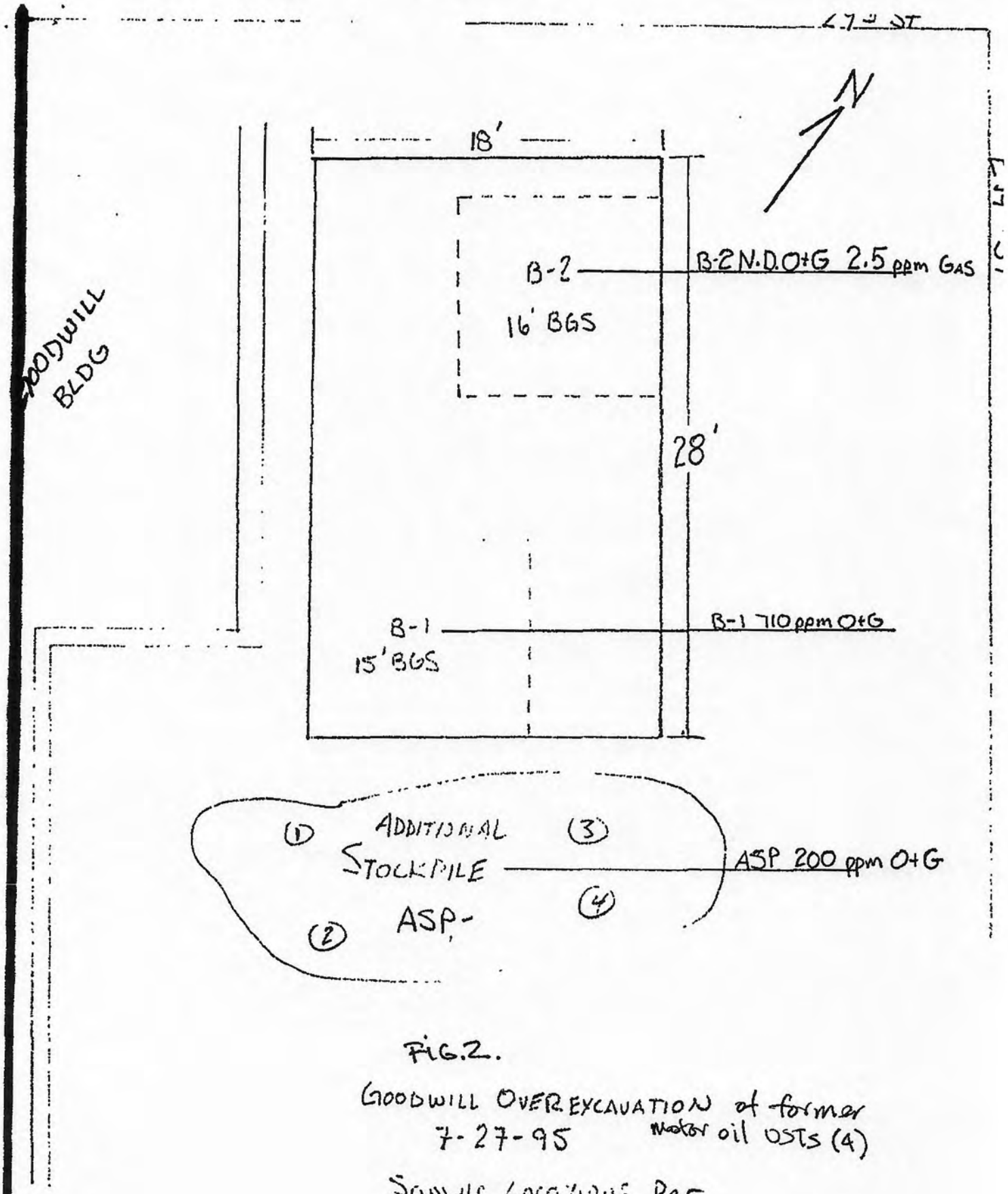


FIG. 2.

GOODWILL OVEREXCAVATION of former motor oil USTs (4)
7-27-95

Sample Locations Per
B. Chan ACDEH

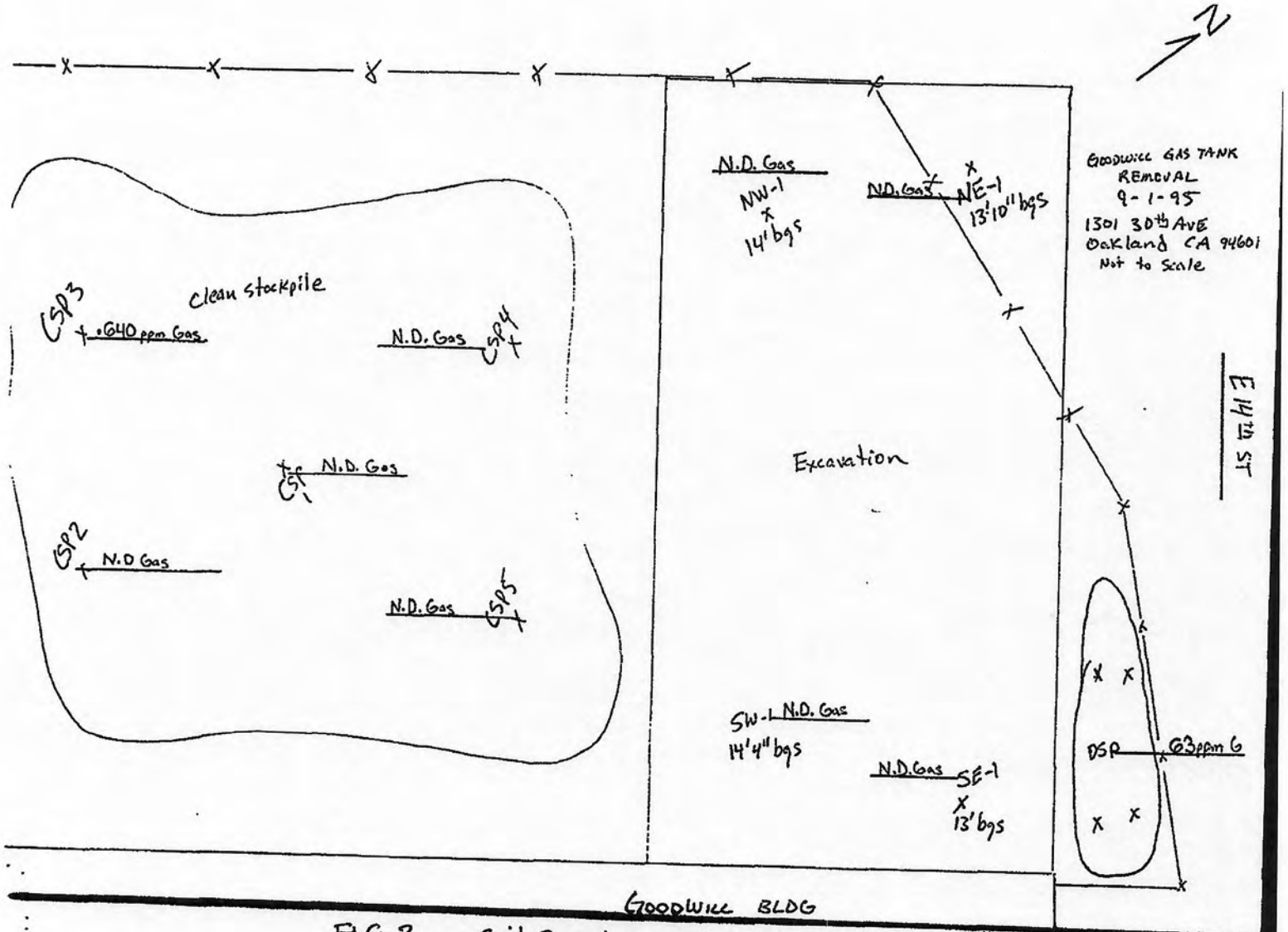


FIG 3. Soil Sampling at gasoline UST excavation

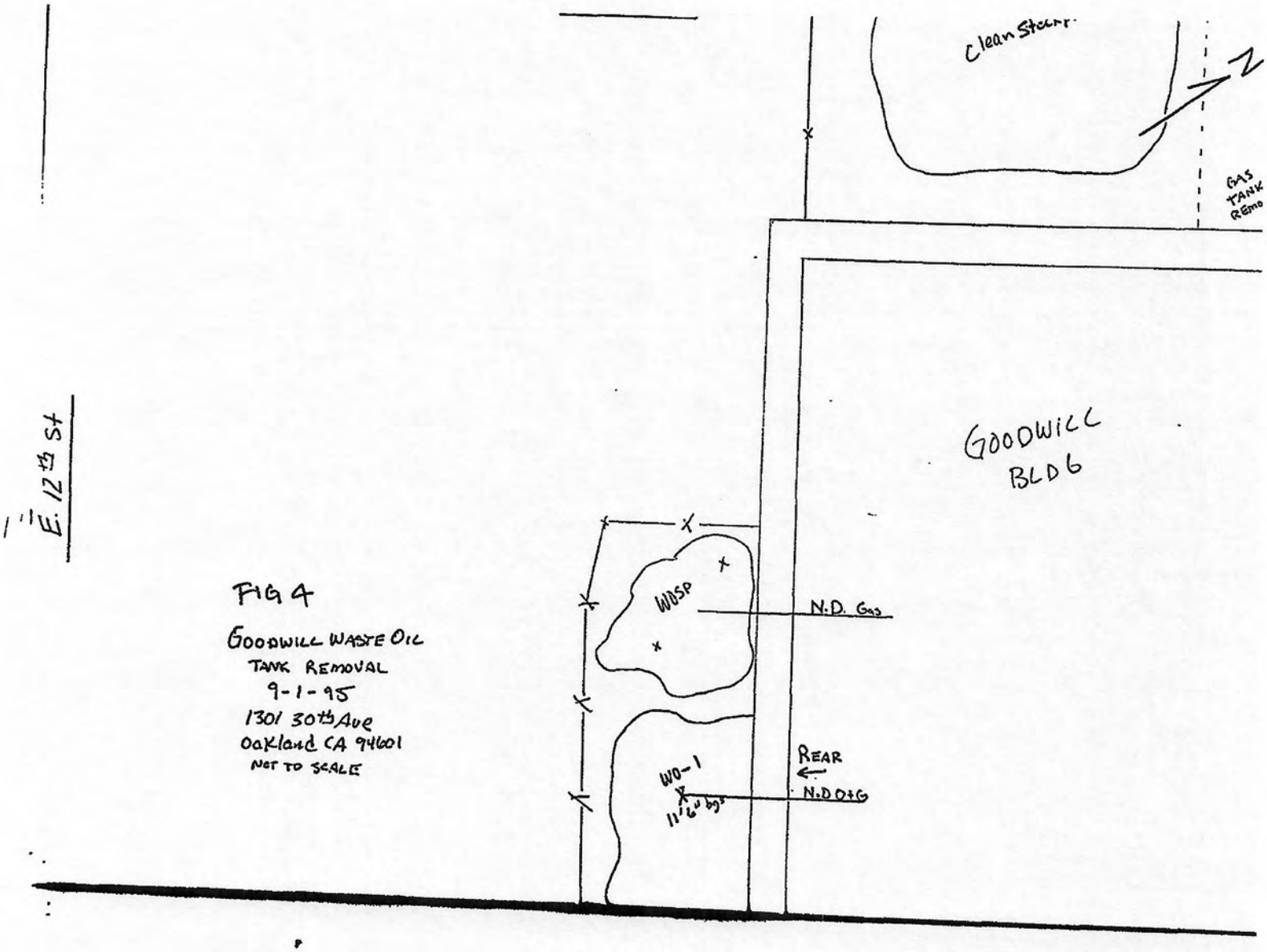
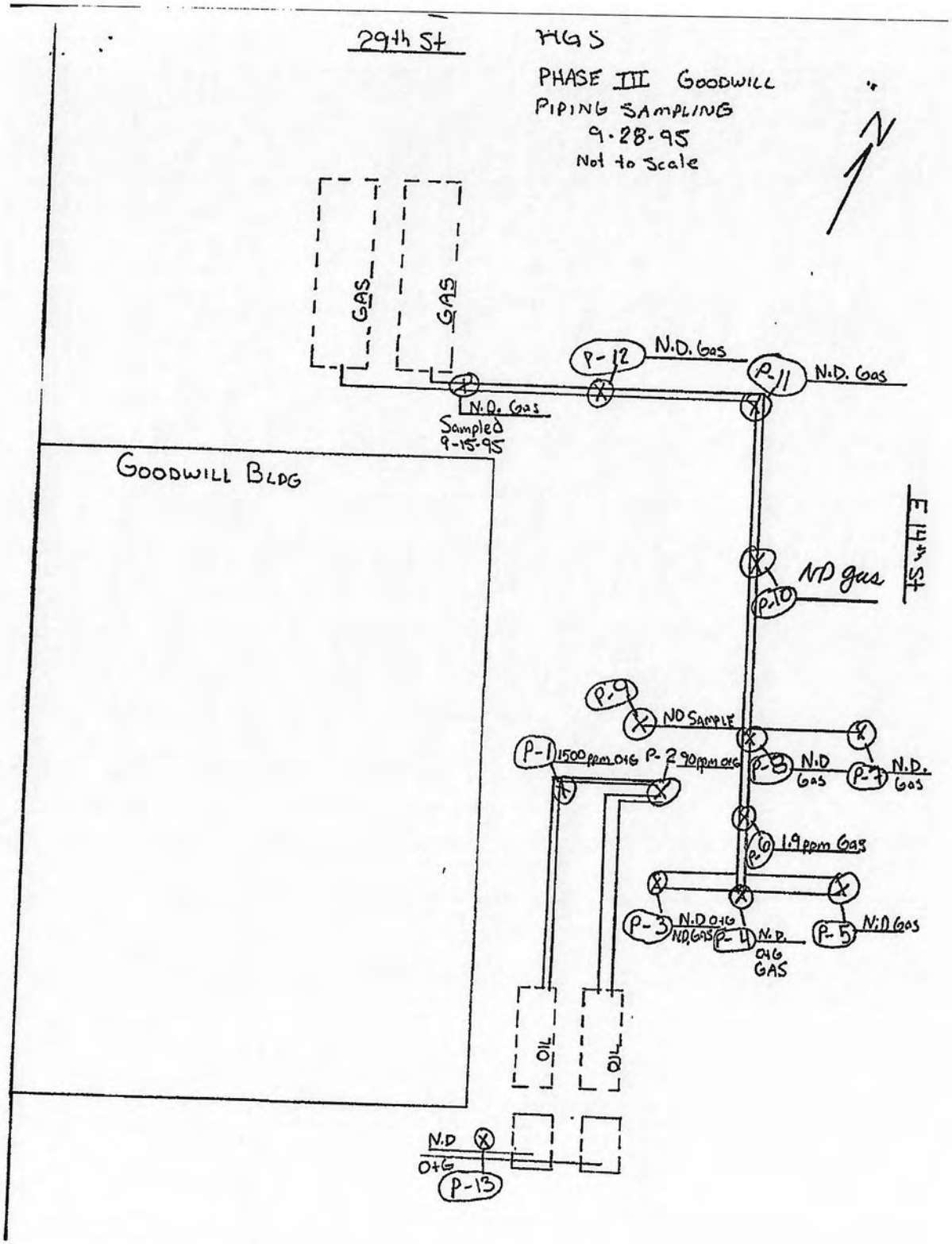


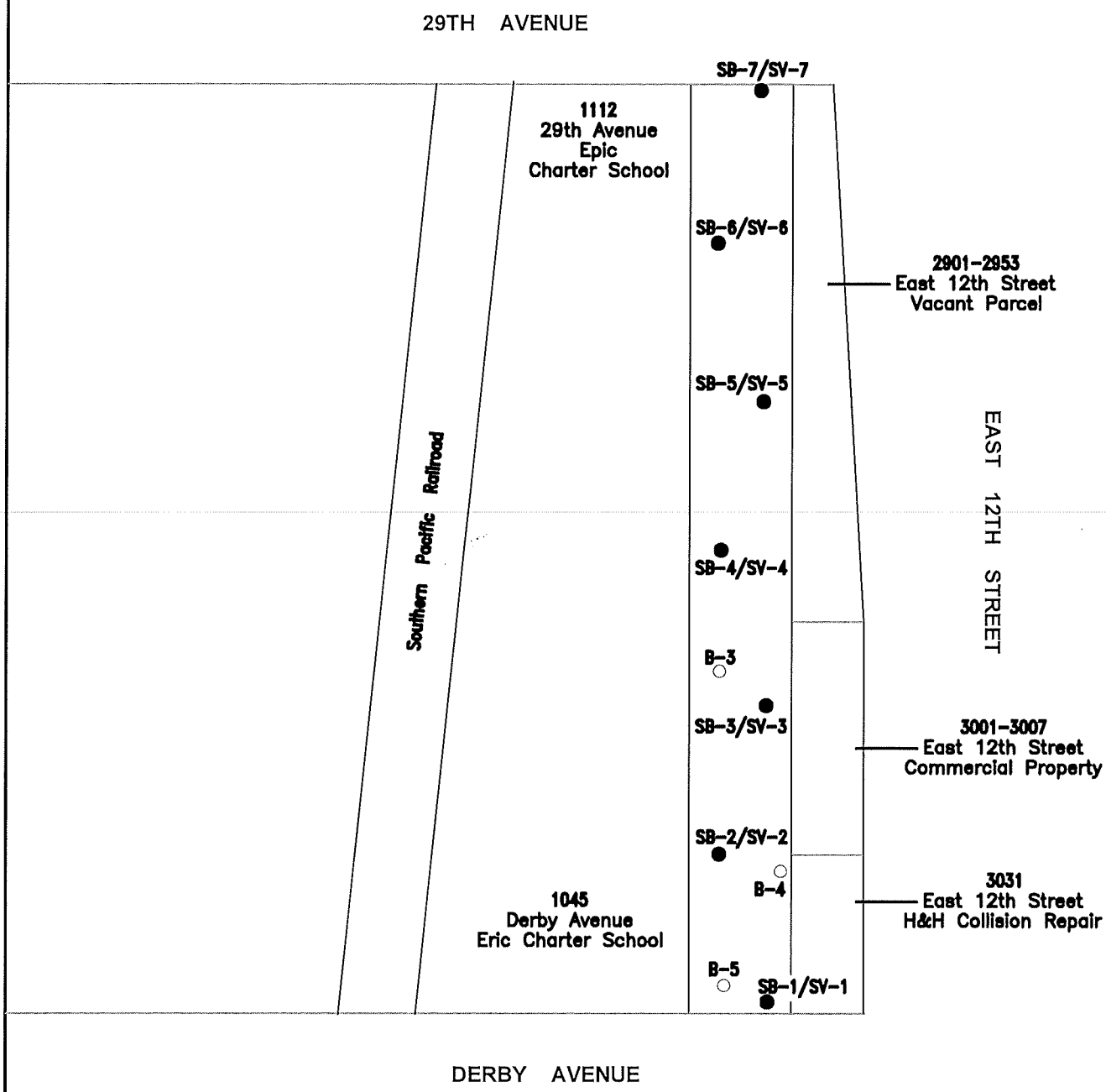
FIG 4

GOODWILL WASTE OIL
TANK REMOVAL
9-1-95
1301 30th Ave
Oakland CA 94601
NOT TO SCALE


29th St
HGS
PHASE III GOODWILL
PIPING SAMPLING
9-28-95
Not to Scale
N
GAS
GAS
P-12
N.D. Gas
P-11
N.D. Gas
N.D. Gas
Sampled
9-15-95
GOODWILL BLDG
E 14th St
ND gas
P-10
P-9
ND SAMPLE
P-1 1500ppm O+G
P-2 90ppm O+G
P-8
N.D
Gas
P-7
N.D.
Gas
P-6
1.9ppm Gas
P-3
N.D O+G
ND GAS
P-4
N.D.
O+G
GAS
P-5
N.D Gas
OIL
OIL
N.D
O+G
P-13

APPENDIX G

PERTINENT ENVIRONMENTAL INFORMATION FOR THE PROPERTY



EXPLANATION

● Boring location, EARS 2017

○ Boring location, TEC 2007

EARS Environmental

0 100

Scale in Feet

BORING LOCATION MAP **FIGURE 2**

Project No. 16-004-02
0 29th Avenue
Oakland, California

July, 2017

TABLE 1. ANALYTICAL RESULTS - SOIL

0 29th Avenue, Oakland, CA

Sample ID	Date	Depth	PCBs	Naphthalene	Other PAHs/PNAs	Nickel	Other LUFT 5
		ft-bgs	mg/Kg				
TEC, 2007							
B-3	6-Jun-07	12	ND	<0.33	ND	81	BESL
B-4	6-Jun-07	14	0.272	<0.33	ND	180	BESL
B-5	6-Jun-07	8	ND	<0.33	ND	92	BESL
ERAS, 2017							
SB-1	14-Jun-17	3.5-4	<0.050	<0.010	ND	72	BESL
SB-1	14-Jun-17	9.5-10	<0.050	<0.010	ND	83	BESL
SB-2	14-Jun-17	3.5-4	<0.050	<0.010	ND	72	BESL
SB-2	14-Jun-17	9.5-10	<0.050	0.0016 J	ND	90	BESL
SB-3	14-Jun-17	3.5-4	<0.050	0.0021 J	ND	110	BESL
SB-3	14-Jun-17	9.5-10	<0.050	<0.020	ND	81	BESL
SB-4	14-Jun-17	3.5-4	<0.050	<0.010	ND	72	BESL
SB-4	14-Jun-17	9.5-10	<0.050	0.0017 J	ND	130	BESL
SB-5	14-Jun-17	3.5-4	<0.050	<0.010	ND	74	BESL
SB-5	14-Jun-17	9.5-10	<0.050	0.0020 J	BESL	75	BESL
SB-6	14-Jun-17	3.5-4	<0.050	<0.010	ND	120	BESL
SB-6	14-Jun-17	9.5-10	<0.050	<0.010	ND	94	BESL
SB-7	14-Jun-17	3.5-4	<0.050	<0.010	ND	120	BESL
SB-7	14-Jun-17	9.5-10	0.040 J	<0.010	BESL	100	BESL
ESL - Com			1.0	14	-	11,000	-
ESL - GW			6.30	0.033	-	-	-

NOTES

ESL - Com = Environmental Screening Level (potential drinking water,SFRWQCB, February 2016 Revision 3), Commercial/Industrial Shallow Soil Direct Exposure

ESL - GW = Environmental Screening Level (potential drinking water,SFRWQCB, February 2016 Revision 3), Leaching to Groundwater

BESL = all detected concentrations of LUFT 5 metals other than nickel were below the ESL set forth by the RWQCB as of February, 2016 (commercial/industrial and leaching to groundwater).

Reported concentrations above the ESLs are in bold type

J = Result is less that the reporting limit but greater than the method detection limit. The reported

ft-bgs = feet below ground surface

mg/kg = milligrams per kilogram

ND = concentration below method detection limit

PCBs = polychlorinated biphenyls

PAHs/PNAs = polynuclear aromatic hydrocarbons

LUFT 5 = cadmium, chromium, lead, nickel, and zinc

TABLE 2. ANALYTICAL RESULTS - SOIL GAS
0 29th Avenue, Oakland CA

Sample ID	Date	Depth	Oxygen	Methane	Carbon Dioxide	Benzene	Toluene	Ethylbenzene	Xylenes	Choloform	Naphthalene	2-Propanol	Other TO-15	Naph TO-17
		ft-bgs	Percentage (%)			µg/m³								
SV-1	15-Jun-17	5-5.5	5.6	<0.00024	1.9	5.4	8.2	12	52	13	<13	<12	BESL	<5.0
SV-2	15-Jun-17	5-5.5	17	0.0040	<0.096	<15	29	<21	111	100	<51	<48	BESL	Insuficient
SV-3	15-Jun-17	5-5.5	18	<0.00080	1.6	<13	24	<17	32	73	<42	<39	BESL	Insuficient
SV-4	15-Jun-17	5-5.5	16	<0.00026	4.9	11	19	15	103	28	<13	<12	BESL	<5.0
SV-5	15-Jun-17	5-5.5	18	<0.00025	2.7	23	55	<11	56	85	<26	<25	BESL	<5.0
SV-6	15-Jun-17	5-5.5	13	<0.00028	5.0	18	27	6.8	27.4	64	<15	<14	BESL	Insuficient
SV-7	15-Jun-17	5-5.5	15	0.0052	3.3	31	35	<13	23	42	<32	<30	BESL	Insuficient
ESL - Com			-	-	-	420	1,300,000	4,900	440,000	530	360	-	-	360

NOTES

ESL - Com = Environmental Screening Level (potential drinking water,SFRWQCB, February 2016 Revision 3), Commercial/Industrial, Vapor Intrusion, Health Risk

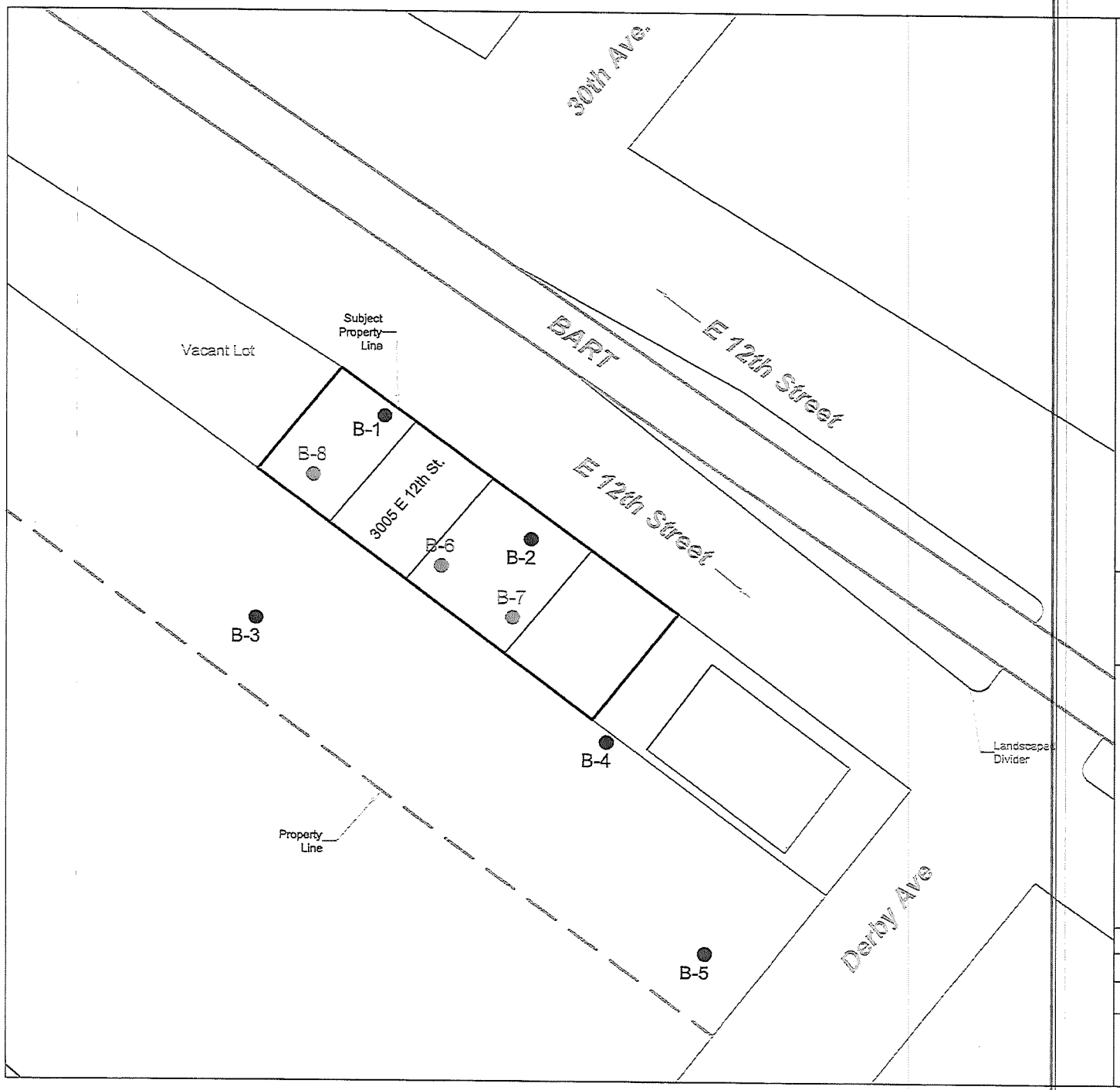
µg/m³ = micro grams per cubic meter

ft-bgs = feet below ground surface

Insuficient = Insuficient flow for analysis

BESL = All remaining VOCs concentrations detected were below the ESL (Commercial/Industrial, Vapor Intrusion, Health Risk) set forth by the RWQCB as of February, 2016

Bold = Above the ESL



N

0 25 50
SCALE (ft)

LEGEND

B-2 Former Boring Locations (June 2007)

B-8 Proposed Boring Locations

SITE
3001 - 3015 E 12th Street
Oakland, California

FIGURE
2

Site Map and Proposed Boring Locations

Revision:	
Date:	06/13/2008
Drafted By:	LC

TEC ACCUTITE
262 Michelle Court
So. San Francisco, CA 94080
Main: (650) 616-1200
Fax: (650) 616-1244

S:\1 Environmental Dept\Active Sites\Independent\3001 E. 12th St. Oakland\FIGURES\Workplan\2008 06 WP 12th St E241.dwg, 6/16/2008 2:53:26 PM, jchan

Table 1
Summary of Historical Soil Analytical Data
3001 - 3015 East 12th Street
Oakland, California

Sample ID	Depth (feet)	Date	TPHg	TPHd	TPHmo	BTEX	VOC's	PCP & PAH's	PCB's	Cd	Cr	Cu	Metals Pb	Ni	Ag	Zn
			Concentrations in mg/Kg													
ESL			*83*	*83*	*370*	*var*	*var*	*var*	*0.22*	*1.7*	*---*	*230*	*200*	*150*	*20*	*600*
B-1 @ 8fbg	8	6/6/2007	<0.1	<2.0	<4.0	ND	ND	ND	ND	<1.0	65	28	12	110	<1.0	64
B-2 @14fbg	14	6/6/2007	<0.1	<2.0	<4.0	ND	ND	ND	ND	<1.0	80	32	8.3	110	<1.0	51
B-3 @12fbg	12	6/6/2007	<0.1	<2.0	10.7	ND	ND	ND	ND	**2.7**	62	73	45	81	<1.0	140
B-4 @14fbg	14	6/6/2007	<0.1	<2.0	<4.0	ND	ND	ND	**0.272***	<1.0	95	33	6.9	**180**	<1.0	52
B-5 @ 8fbg	8	6/6/2007	<0.1	<2.0	<4.0	ND	ND	ND	ND	<1.0	41	28	12	92	<1.0	55

Notes:
BOLD = Concentration exceeds ESL
(fbg) = feet below surface grade
TPHg = Total petroleum hydrocarbons as gasoline by EPA Method 8015.
TPHd = Total petroleum hydrocarbons as diesel by EPA Method 8015.
TPHmo = Total petroleum hydrocarbons as motor oil by EPA Method 8015.
BTEX = Benzene, Toluene, Ethylbenzene, Xylenes by EPA Method 8260B.
VOC's = volatile organic compounds including 1,2-Dibromoethane, 1,2-Dichloroethane, Ethyl tert Butyl Ether, Isopropyl ether, Methyl tert-butyl ether, t-Butyl alcohol, tert-amyl methyl ether by EPA Method 8260B.
PCPs & PAH's = semi-volatile compounds by EPA Method 8270C.
PCB's = semi-volatile compounds by EPA Method 8082.
Metals: Cd = Cadmium, Cr = Chromium, Cu = Copper, PB = Lead, Ni = Nickel, Ag = Silver, and Zn = Zinc by EPA Method 6010B.
ND = all individual analytes not detected at or above laboratory detection limits for this method
* = Aroclor 1016 (PCB) detected by EPA Method 8082; all other analytes ND for this method.
ESL = Environmental Screening Level for subsurface soil (< 3M BGS), Table A-1, groundwater IS a current or potential drinking water resource, residential land use (CRWQCB Interim Final – November 2007 (revised May 2008)).

Table 2
Summary of Historical Grab Groundwater Analytical Data
3001 - 3007 E 12th Street
Oakland, California

Sample ID	Date	TPHg	TPHd	TPHmo	BTEX	VOC's	PCP & PAH's	PCB's	Metals Cd	Cr	Cu	Pb	Ni	Ag	Zn
		Concentrations in µg/L													
ESL		***100***	***100***	***100***	*var*	*var*	*var*	***0.014***	***0.25***	***50***	***3.1***	***2.5***	***8.2***	***0.19***	***81***
B-1	6/6/2007	<58	<77	<14	ND	ND	ND	<1.0	<0.2	<2.0	<3.0	<2.0	**11**	**3****	8.6
B-2	6/6/2007	<57	<42.4	<21.2	ND	ND	ND	<1.0	<0.2	2**	<3.0	<2.0	7**	2**	20

Notes:
BOLD = Concentration exceeds ESL
TPHg = Total petroleum hydrocarbons as gasoline by EPA Method 8015.
TPHd = Total petroleum hydrocarbons as diesel by EPA Method 8015.
TPHmo = Total petroleum hydrocarbons as motor oil by EPA Method 8015.
BTEX = Benzene, Toluene, Ethylbenzene, Xylenes by EPA Method 8260B.
VOC's = volatile organic compounds including 1,2-Dibromoethane, 1,2-Dichloroethane, Ethyl tert Butyl Ether, Isopropyl ether, Methyl tert-butyl ether, t-Butyl alcohol, tert-amyl methyl ether by EPA Method 8260B.
PCPs & PAH's = semi-volatile compounds pentachlorophenol and polycyclic aromatic hydrocarbon by EPA Method 8270C.
PCB's = semi-volatile compound polychlorinated biphenyls by EPA Method 8082.
Metals: Cd = Cadmium, Cr = Chromium, Cu = Copper, BP = Lead, Ni = Nickel, Ag = Silver, and Zn = Zinc by EPA Method 6010B.
ND = all individual analytes not detected at or above laboratory detection limits for this method
** = considered an estimated value (reported between Maximum Detection Limit and Reporting Limit)
var = variable ESL's, unique for each constituent.
ESL = Environmental Screening Level for Groundwater, groundwater IS a current or potential drinking water resource, Table F-1a (CRWQCB Interim Final – November 2007 (revised May 2008)).

David Siegel

From: Richard McNeel <rmcneel@efcps.net>
Sent: Tuesday, April 23, 2019 12:38 PM
To: Hae_Sin Thomas; Harvey, Fabiola
Cc: David Siegel; Carolyn Choy; Jennifer Afdahl Rice; Sundar Chari
Subject: Update on Zero 29th Phase II- New Case # RO 0003204

Dear All,

After speaking with Karel today, she updated me on the remaining steps and time frame and where she is leaning on recommendations.

First, she explained that this case is now grouped under the category of a Site Cleanup program site. She explained that these type of cases are the lowest priority on their list as other case types take precedence, hence the delay.

Second, she said that she will move us to the top of that group of cases and that she should be able to file her recommendation by 6/30/19.

Third, with that time frame in mind, she would then have to post a public notice which will take 30 days once it's filed. They have to wait for any public comments, then they would be able to make their final decision.

Fourth, she estimates the time frame this would be complete is likely in August. However, depending on mitigating factors it could take months longer. But she believes it wouldn't get past the Fall 2019 time frame.

Fifth, she is planning to recommend case closure (which is what we want, meaning we don't have to do anything.) But, it has to make it past a couple of internal checkpoints, and past the public comment phase before that's definite. She said she's never changed her recommendation after a public comment to date, but everything is on a case by case basis.

Sixth, the case number has been changed to RO 0003204. RO stands for Regulatory Oversite and the rest is leading zero's. She said this change had something to do with it being a new development site or being part of the Site Cleanup Program (I honestly wasn't sure which of the two reasons generated the change or possibly both.)

In case you haven't seen it yet, I sent a separate e-mail to Karel providing her with the current contact information for EFC as it has changed since this was first opened.

Please let me know if any questions.

Best,

Rich McNeel Jr.

Director of Financial Strategy

Education for Change Public Schools
333 Hegenberger Road, Suite 600
Oakland, CA 94621

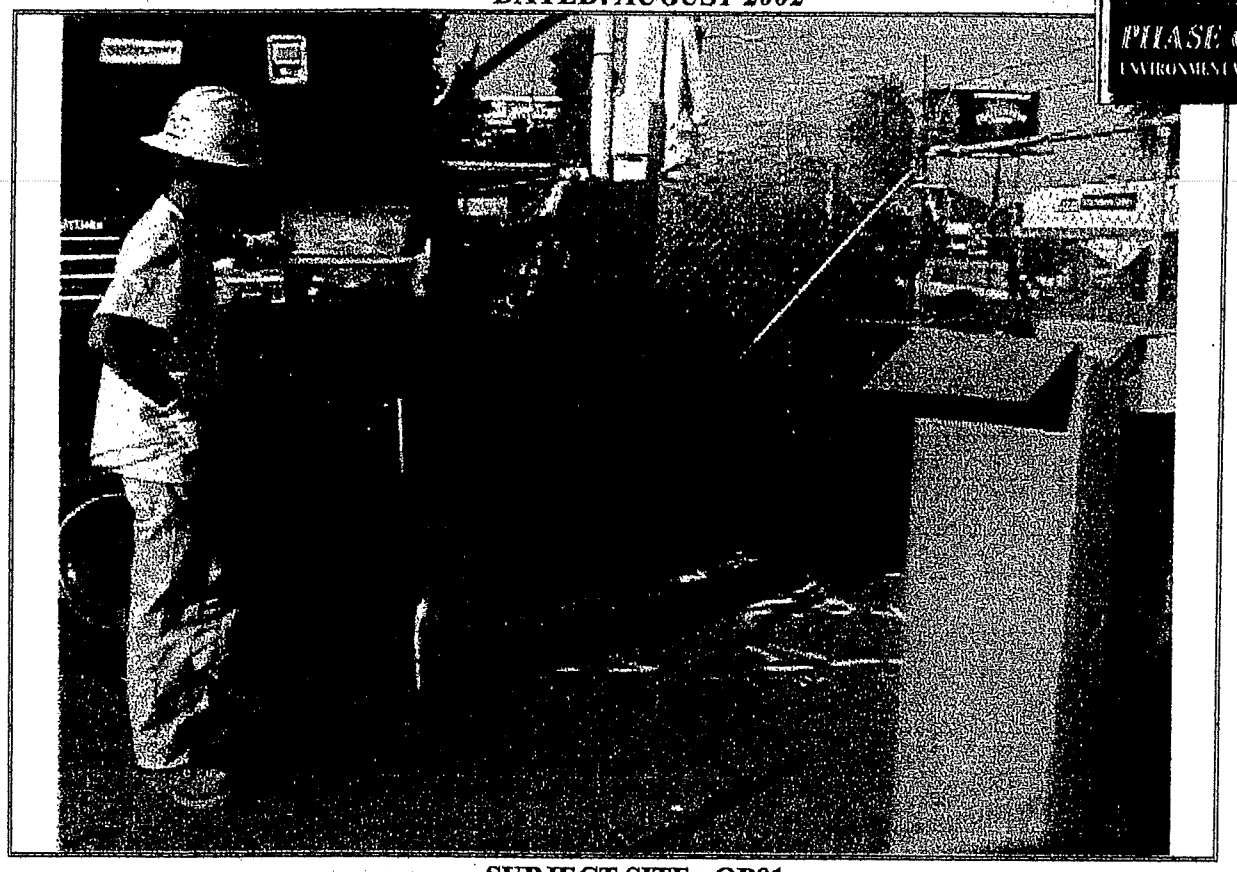
PHASE II ENVIRONMENTAL SITE ASSESSMENT

FOR

HARVEY RYDMAN AND
COMMONWEALTH COMPANIES
2901 EAST 12TH STREET 94601
OAKLAND, CALIFORNIA

DATED: ***AUGUST 2002***

1991 - 2002
11 YEARS OF EXCELLENCE
PHASE ONE INC.
ENVIRONMENTAL SPECIALISTS



SUBJECT SITE - OP01

PHASE ONE INC.SM

THE NATIONWIDE ENVIRONMENTAL SPECIALISTS

"Setting the Due Diligence Industry Standard"

Copyright 2002 *PHASE ONE* INC. All Rights Reserved

PHASE ONE INC. Project No 4979

PHASE ONE INC.

NATIONWIDE ENVIRONMENTAL SPECIALISTS

August 23, 2002

Mr. Ted Dang, Commonwealth Companies
And Mr. Harvey Rydman
1320 Pearl Street
Alameda, California 94601

RE: Phase II Environmental Site Assessment Report
Subject Site Location: 2901 East 12th Street, Oakland, California
PHASE ONE INC. Project No. 4979

Dear Mr. Dang and Mr. Rydman:

Enclosed is the Phase II Environmental Site Assessment Report completed by ***PHASE ONE*** INC. for the site referenced above (see Figure 1, ***Site Location Map)***. The Phase II Assessment was undertaken at the request of Commonwealth Companies and Harvey Rydman in accordance with ***PHASE ONE*** INC.'s ***Standard Terms and Conditions*** and as outlined in ***PHASE ONE*** INC.'s ***Letters of Intent/Authorization*** for Project Nº 4979 to investigate for the presence of soil contamination resulting from the prior occupation of the site by a gasoline station. The findings and conclusions of this investigation are based upon the observations of ***PHASE ONE*** INC.'s field personnel and the soil sample concentrations reported by the contracted analytical laboratory. Our conclusions regarding the environmental condition of the site are summarized in the final section of this report, ***Conclusions and Recommendations***.

In summary, the results of the geophysical survey indicate that one potential small underground storage tank and three disturbed soil zones were found in the surveyed northwest corner of the subject site. Three soil borings were advanced adjacent to or through these features using direct-push equipment. Analytical results of soil sampling performed at the three locations throughout the area of the subject property formerly occupied by a gasoline service station did identify petroleum hydrocarbon contamination. Based upon the results of this initial investigation, ***PHASE ONE*** INC. recommends further assessment and the initiation of regulatory agency involvement.

Please do not hesitate to contact us should you have any questions regarding the Phase II Environmental Site Assessment Report, or if we can be of additional assistance.

Sincerely,

Diane Scioli-Ota
Registered Environmental Assessor

Enclosure

Tel: (800) 524-8877 • Fax: (800) 774-2731
www.phasei.com

Copyright 2002 *PHASE ONE* INC. All Rights Reserved

PHASE II ENVIRONMENTAL SITE ASSESSMENT (ESA) REPORT

2901 EAST 12TH STREET
OAKLAND, CALIFORNIA 94601

PROJECT NO. 4979

BY

***PHASE ONE* INC.**
2680 Walnut Avenue, Suite B
Tustin, California 92780
(800) 524-8877

THIS REPORT WAS PREPARED FOR THE SOLE USE AND BENEFIT OF OUR CLIENTS, HARVEY RYDMAN AND COMMONWEALTH COMPANIES, AND IS BASED, IN PART, UPON DOCUMENTS, WRITINGS, AND INFORMATION OWNED AND POSSESSED BY OUR CLIENT. NEITHER THIS REPORT, NOR ANY OF THE INFORMATION CONTAINED HEREIN, SHALL BE USED OR RELIED UPON FOR ANY PURPOSE BY ANY PERSON OR ENTITY OTHER THAN OUR CLIENT. ALL STANDARD TERMS, CONDITIONS, AND LIMITATIONS BY ***PHASE ONE* INC.** APPLY AT ALL TIMES AND FOR THIS REPORT AND ALL REPORTS ISSUED BY ***PHASE ONE* INC.**

Copyright 2002 *PHASE ONE* INC. All Rights Reserved

TABLE OF CONTENTS

1.0 BACKGROUND

2.0 FIELD INVESTIGATION

3.0 SUBSURFACE CONDITIONS ENCOUNTERED

4.0 REQUESTED SAMPLE ANALYSES

5.0 FINDINGS OF ASSESSMENT WORK

6.0 CONCLUSIONS AND RECOMMENDATIONS

TABLE

Table 1 – Soil Analytical Results

FIGURES

Figure 1 – Site Location Map
Figure 2 – Site Plan and Boring Location Diagram

APPENDICES

APPENDIX A – GEOPHYSICAL SURVEY HAND SKETCH WITH FIELD NOTES AND SUMMARY
APPENDIX B – SOIL SAMPLING PROTOCOL
APPENDIX C – BORING LOGS
APPENDIX D – ANALYTICAL LABORATORY REPORTS
APPENDIX E – SITE PHOTOGRAPHS
APPENDIX F – LIMITATIONS

Copyright 2002 *PHASE ONE* INC. All Rights Reserved

SECTION 1.0

BACKGROUND INFORMATION

PHASE ONE INC. prepared a Phase I Environmental Site Assessment (ESA) report for 2901 East 12th Street, Oakland, California ("Subject Site" see ***Figure 1, Site Location Map***) in March 2001, ***PHASE ONE*** INC. Project No. 4486. At the time of this assessment, the site consisted of approximately 0.5 acres of land occupied by a trailer and stored materials. According to reviewed historical records, the subject site was previously the location of a "gas & oil" facility (western portion of the site) most likely associated with a former automobile dealership that occupied the site itself from at least 1946 until approximately 1959.

No information was available from city and county agencies regarding operations at the gasoline service station. Therefore, the tank installation dates and removal information are not known. Only the Sanborn fire insurance map was available which indicated the position and rough orientation of the service station development on the site. The number, capacity and contents of the tanks utilized at this facility are unknown. The Phase I Environmental Site Assessment Report for this property included the following recognized environmental condition:

- According to reviewed historical records, the subject site was previously the location of a "gas & oil" facility (western portion of the site) most likely associated with a former automobile dealership that occupied the site itself from at least 1946 until approximately 1959. Although historical operation practices at the site are not known, those practices typically associated with this type of facility include the use of underground fuel storage tanks. These activities may have impacted the subsurface with hazardous substances such as fuels. In addition, no records were available for review to verify that underground storage tanks (that had likely been located at the subject site during this period) were properly removed. Records were also not available for review that demonstrate that soil samples were collected and analyzed from the tank excavations to verify that the subsurface had not been impacted by leaked hydrocarbon contamination.

The associated next step action recommended in the Phase I Environmental Site Assessment report is as follows:

- Conduct a geophysical survey and subsequently install subsurface soil borings to determine if the tanks are still located on-site or if subsurface contamination has occurred as a result of historical operations.

Copyright 2002 *PHASE ONE* INC. All Rights Reserved

SECTION 2.0

FIELD INVESTIGATION

PHASE ONE **INC** completed a Phase II Environmental Site Assessment (ESA) at the subject site. The Scope of Work for the ESA included a geophysical site survey to look for the presence of subsurface structures such as underground storage tanks (USTs), dispenser lines, and clarifiers and to ensure that proposed soil boring locations are clear of any utilities. In addition to the geophysical site study, ***PHASE ONE*** **INC.** advanced three direct push soil borings to depths of up to 16 feet below ground surface (bgs) to investigate for the potential presence of subsurface contamination resulting from prior operations of the gasoline station at the site. The contaminants of concern for the subject site include Total Petroleum Hydrocarbons (TPH) as gasoline and diesel, volatile organics (benzene, toluene, ethylbenzene and xylene), methyl tertiary butyl ether (MTBE) and lead.

Geophysical Survey

On July 15, 2002, Norcal Geophysical, acting on behalf of ***PHASE ONE*** **INC.**, performed a geophysical survey of the western portion of the above referenced subject property. The survey was performed to mark utility lines for subsequent soil boring activities, to attempt to identify the presence of any subsurface structures that may be underground storage tanks, and to attempt to identify the presence of tank excavation backfill.

The geophysical survey was performed utilizing ground penetrating radar (GPR) and a hand-held metal detector after NorCal determined that the magnetic field caused by the nearby BART electric rail line rendered the magnetometer useless. A survey grid was performed of a 25' deep by 100' long area of the western part of the site. The findings of the survey were marked out in paint.

A hand-sketched plot map supplied by the geophysical survey team indicated that three areas of disturbed soil were identified in the westernmost portion of the property. These may be indicative of excavations associated with the former locations of tanks, product lines and dispensers. In addition, a subsurface metallic object identified as a possible underground storage tank was found. The object is roughly the size of a 550-gallon tank and may be the waste oil tank formerly associated with the gas station located on site, see ***Appendix A, Geophysical Survey Hand Sketch and Field Notes.***

Soil Borings

At least forty-eight hours before fieldwork, ***PHASE ONE*** **INC.** notified the Underground Services Alert for clearance.

On August 9, 2002, ***PHASE ONE*** **INC.** performed the soil boring and sampling activities with truck-mounted, direct-push, sampling equipment. ***PHASE ONE*** **INC.** advanced two of the three direct push soil borings through areas identified as disturbed soil zones according to the results of the geophysical survey. The third soil boring was advanced adjacent to the feature, which is

Copyright 2002 *PHASE ONE* INC. All Rights Reserved

suspected to be a small underground storage tank according to the results of the geophysical survey, see ***Figure 2, Boring Location Diagram.***

PHASE ONE **INC** collected soil samples at five-foot intervals to boring completion depth (16 feet below ground surface). After the soil sample collection, the borings were backfilled with bentonite chips, and the asphalt-paved surface was repaired with asphalt.

Soil sample collection followed the protocol found in ***Appendix B, Soil Sampling Protocol.***

Copyright 2002 *PHASE ONE* INC. All Rights Reserved

SECTION 3.0

SUBSURFACE CONDITIONS ENCOUNTERED

The soil encountered throughout the site was consistent between surface and sixteen feet bgs. The soil boring logs are included in ***Appendix C, Boring Logs***. During ***PHASE ONE*** INC.'s field investigation, groundwater was encountered in each of the borings between approximately 12 and 16 feet below ground surface. However, no groundwater samples were collected.

The field technician did note petroleum hydrocarbon odors and a gray-green discoloration of the soil in each soil boring between thirteen and fifteen feet.

Copyright 2002 *PHASE ONE* INC. All Rights Reserved

SECTION 4.0

REQUESTED SAMPLE ANALYSES

PHASE ONE **INC.** submitted all collected soil samples from each of the three soil borings for laboratory analyses. ***PHASE ONE*** **INC.** requested that the samples be analyzed in accordance with one or more of the following U.S. EPA Methods:

- Method 8015(M)/8020 for Total Petroleum Hydrocarbons (gasoline) and for benzene, ethylbenzene, toluene, and xylene (BETX) and MTBE;
- Method 8015 for Total Extractable Petroleum Hydrocarbons;
- Method 6010 for Lead.

Copyright 2002 *PHASE ONE* INC. All Rights Reserved

SECTION 5.0

FINDINGS OF ASSESSMENT WORK

The principal findings of ***PHASE ONE*** INC.'s Phase II Environmental Site Assessment for this site are as follows:

- The analytical laboratory detected the presence of TPH as both gasoline and diesel in each of the three soil borings.

- The analytical laboratory detected BETX/gasoline compounds in the soil in each of the three soil borings.

- The analytical laboratory detected Lead at levels ranging from 8.3 parts per million to 10 parts per million in each of the three soil samples analyzed. This level is typical of background concentrations in soil in the Oakland area (Lawrence Berkeley National Laboratory Environmental Restoration Program, 1995.).

Sample Identification	TPH 8015 Gas (mg/Kg)	BETX 8021 (mg/Kg)	MTBE 8021	TPH 8015 Diesel (mg/Kg)	Lead (mg/Kg)
GP1@5	ND	ND	ND	2.1§	NA
GP1@10	ND	ND	ND	3.8§	NA
GP1@15	14*	0.017 – toluene 0.016 - xylene	ND	350	10
GP2@5	ND	ND	ND	ND	NA
GP@10	ND	ND	ND	5.2§	NA
GP2@15	49*	0.018 – toluene 0.015 - ethylbenzene 0.044 - xylene	ND	630	8.3
GP3@6	ND	0.010 - ethylbenzene	ND	3.6§	NA
GP3@10	ND	ND	ND	1.6§	NA
GP3@16	46*	0.044 – toluene 0.030 - ethylbenzene 0.053 - xylene	ND	96	9.6

mg/Kg is equivalent to milligrams per kilogram (or parts per million)
ND: Not-detected
NA: Not-analyzed
*: Reported by the analytical laboratory as strongly aged
§: According to the analytical laboratory, oil range compounds are significant

Copies of the final analytical reports are included in ***Appendix D, Analytical Laboratory Reports***.

Copyright 2002 *PHASE ONE* INC. All Rights Reserved

SECTION 6.0

CONCLUSIONS AND RECOMMENDATIONS

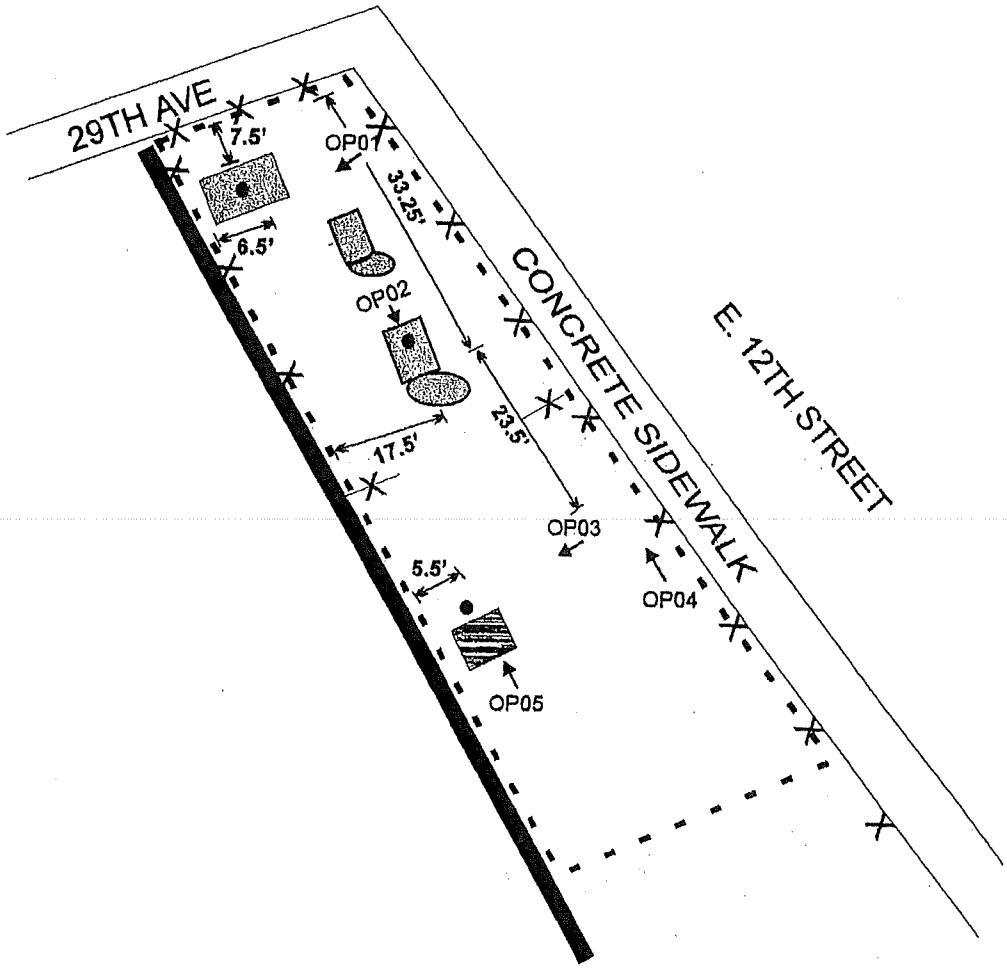
The geophysical site survey identified three areas of disturbed soil in the westernmost portion of the property. These may be indicative of excavations associated with the former locations of tanks, product lines and dispensers. In addition, a subsurface metallic object identified as a possible underground storage tank was found. The object is roughly the size of a 550-gallon tank and may be the waste oil tank formerly associated with the gasoline service station located on site.

Soil sampling performed identified the presence of diesel and gasoline contamination in the soil. TPH in the gasoline range was identified between 14 and 49 parts per million (ppm) in samples collected from between 15 and 16 feet bgs in each soil boring. No TPH as gasoline was identified in either the 5/6 foot bgs sampling interval or the 10 foot bgs sampling interval in any of the three soil borings. Gasoline compounds toluene, ethylbenzene and xylene were identified in all three soil borings. Toluene was identified between 0.017 and 0.044 ppm in the soil samples collected from the 15/16-foot bgs range, only, in each of the three soil borings. Ethylbenzene was identified between 0.010 and 0.030 ppm in soil samples collected from soil borings GP-2 and GP-3 at the 5/6-foot bgs sampling interval and the 15/16 foot bgs sampling interval. Xylene was identified between 0.016 and 0.053 ppm in the soil samples collected from the 15/16-foot bgs range, only, in each of the three soil borings. TPH in the diesel range was identified in all but one soil sample collected between 1.6 and 630 ppm.

Given that soil contamination was detected in each of the three soil borings advanced at the subject site, and given the elevated level of soil contamination identified in the 15 to 16 foot sampling interval in one of the three soil borings, GP-2 (as compared with the risk-based screening levels for subsurface soil as presented in the Oakland Urban Land Redevelopment Program (ULRP) Guidance Document Soil), ***PHASE ONE*** INC. concludes that further soil and groundwater sampling be performed to delineate the lateral and vertical extent of soil contamination and to investigate for groundwater contamination. In addition, ***PHASE ONE*** INC. recommends that the Local Oversight Agency, Alameda County Health Care Services Agency, Environmental Health Services, Environmental Protection, be contacted regarding site conditions. ***PHASE ONE*** INC. also recommends excavating the subsurface structure identified as a possible underground storage tank to verify its identity. If the structure is a tank, obtain necessary permits and agency oversight for tank removal.

PHASE ONE INC. attempted to assess the most likely potential sources of contamination; however, it is not possible to sample all possible locations where impact from the previous land use. Specific areas of impact may have escaped detection due to 1) unknown areas where releases or spills may have occurred, 2) unknown areas of chemical handling and storage of hazardous materials, 3) difficulty in accessing suspect locations, or 4) the limited extent of the assessments performed.

Copyright 2002 *PHASE ONE* INC. All Rights Reserved



KEY

- = SUBJECT SITE
- X X X = FENCE
- = WOOD FENCE
- OR = SUSPECTED DISTURBED SOIL ZONE
- = SUBSURFACE METALLIC OBJECT (POSSIBLE UST)
- ● = GEO-PROBE SOIL BORING

N

PHASE ONE INC.
ENVIRONMENTAL ASSESSMENT SPECIALISTS

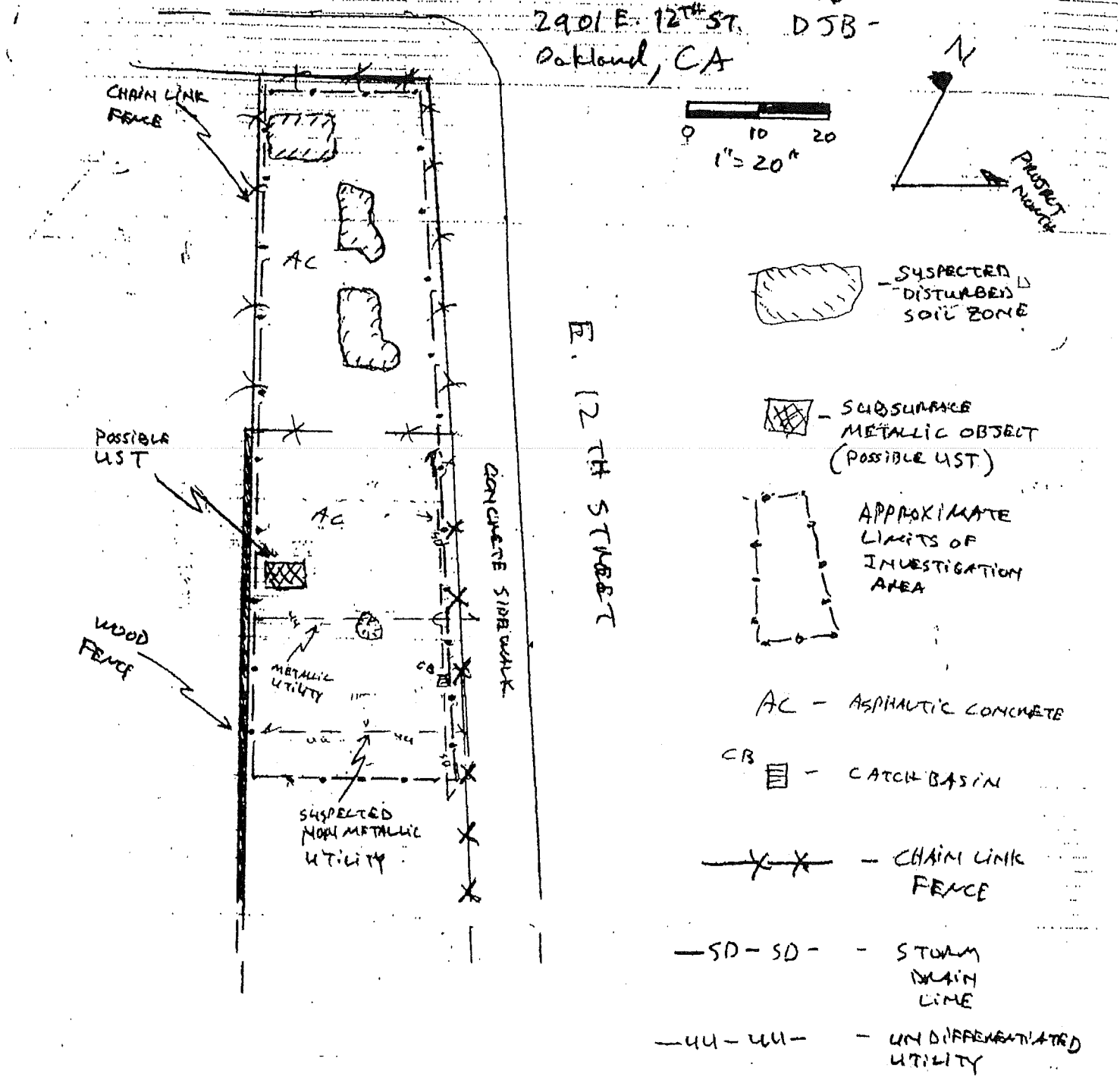
COMMONWEALTH COMPANIES
2901 E. 12TH STREET
OAKLAND, CA 94601

DRAWN: KL | APPRV'D: | DATE: 08/20/02

SITE PLAN	
FIGURE:	2
JOB:	4979
DATE:	08/20/02

PHASE ONE, INC. 7/15/02

2901 E. 12TH ST. DJB -
Oakland, CA



NORCAL GEOPHYSICAL CONSULTANTS, INC.

DAILY FIELD REPORT

Date: July 15, 2002 Client/Location: Phase One / VACANT LOT 2901 E. 12TH St., Oakland

Personnel: D. Bissiri / J. Blom Equipment: MAG / GPR / METAL DETECTOR (EMLL)

Project Description: UST search, backfilled cavities

TIME	NOTES
0730	DEPART NORCAL OFFICE
0900	ARRIVE SITE - MEET DENA DORSEY OF PRUDENTIAL REALTY - UNLOCK GATED AREAS
0930	DENA DORSEY DEPARTS - START INVESTIGATION - CONDUCT MAGNETIC FIELD BACKGROUND CHECK ON ACCOUNT OF NEARBY OVERHEAD B.A.R.T. ELECTRIC RAIL LINE - MAGNETIC FIELD TOO UNSTABLE TO EMPLOY MAGNETOMETER
0945	CONTINUE INVESTIGATE USING GROUND PENETRATING RADAR AND HAND HELD METAL DETECTOR - CONDUCT INVESTIGATION USING BIDIRECTIONAL SURVEY GRID BASED ON 3-FOOT CENTERS. - MARK OUT FINDINGS ON PAVEMENT - PINK PAINT - METALLIC OBJECT / - WHITE PAINT - NON METALLIC
	NOTE: INVESTIGATION AREA LIMITED TO 100-FOOT by 30-FOOT PORTION OF PROPERTY PER TELEPHONE INSTRUCTIONS OF DIANE SCIOLI-OTA.
	NOTE! CHAIN LINK FENCE METALLIC EFFECTS LIMITED RESULTS OF INVESTIGATION.
1300	DEPART SITE
1400	EXPECTED TIME OF RETURN TO NORCAL OFFICE

NOTE: Because of the inherent limitations of the geophysical instrumentation used, NORCAL can not assume liability in the event that utilities or other subsurface features are not detected. Attached is a description of our limitations.

FIELD DAY SUMMARY COMPLETED 4 Hrs FIELD WORK / 2.5 HRS MOB.

Signature — NORCAL Representative

NOT PRESENT ON SITE — Signature — CLIENT Representative

1350 INDUSTRIAL AVENUE, SUITE A • PETALUMA, CA 94952 • TELEPHONE (707) 763-1312 • FAX (707) 762-5587
www.norcalgeophysical.com

Geophysical Survey Results Summary
2901 East 12th Street, Oakland, CA
***PHASE ONE* INC.** Project Number: 4979

Based on research performed as part of a Phase I Environmental Site Assessment Report prepared by ***PHASE ONE* INC.** in March 2001, ***PHASE ONE* INC.** concluded that the western part of the subject site was formerly occupied by a gas station. On July 15, 2002, Norcal Geophysical, acting on behalf of ***PHASE ONE* INC.**, performed a geophysical survey of the western portion of the above referenced subject property. The survey was performed to mark utility lines for subsequent soil boring activities, to attempt to identify the presence of any subsurface structures that may be underground storage tanks, and to attempt to identify the presence of tank excavation backfill.

The geophysical survey was performed utilizing ground penetrating radar (GPR) and a hand-held metal detector after NorCal determined that the magnetic field caused by the nearby BART electric rail line rendered the magnetometer useless. A bi-directional survey grid was performed of a 25' deep by 100' long area of the site. The findings of the survey were marked out in paint.

A hand-sketched plot map supplied by the geophysical survey team indicated that three areas of disturbed soil were identified in the westernmost portion of the property. These may be indicative of excavations associated with the former locations of tanks, product lines and dispensers. In addition, a subsurface metallic object identified as a possible underground storage tank was found. The object is roughly the size of a 550-gallon tank and may be the waste oil tank formerly associated with the gas station located on site.

PHASE ONE INC.
ENVIRONMENTAL ASSESSMENT SPECIALISTS

SHEET 1 OF 1

LOG OF BORING NO. GP-1

Project Name: HARVEY RYDMAN
Project No: 4979
Logged by/Date: Diane Scioli-Ota on 8/9/02
Total Depth of Boring (ft): 16

Contractor: Phase One Inc.
Driller(s): Precision Drilling
Rig/Method: Geoprobe
Screen Interval: N/A
Total Depth of Well Construction (ft): N/A

Elevations (Relative MSL): N/A
Grade Level (ft): N/A
Top of Casing (ft): N/A

Location: 2901 East 12th Street
City: Oakland, CA
Coordinates (ft):

Record:	Date/Time
Drilling/Coring:	8:25 am
Well Construction:	N/A
Well Development:	N/A

Groundwater:	Depth (ft)	Date/Time
ATD	N/A	
SWL*	N/A	
SPL*	N/A	

* Prior to Initial Development

SAMPLE TYPE	DEPTH (ft)		SAMPLE NUMBER	MOISTURE		DESCRIPTIONS
						Asphalt (6")
						Dark brown silty clay, moist
						Brown sandy silt, moist
						Dark brown, silty clay, moist
Soil	5		GP-1@5	Moist		Light brown, coarse-grained decomposed granite
						Dark brown, sandy silty clay, moist
						Dark brown silty clay, moist
Soil	10		GP-1@ 10	Moist		Light brown silty sand with gravel, moist
						Brown sandy silty clay, moist
						Brown silty sand, very moist, petroleum odor
	15		GP-1@ 15	Very Moist		Gray clay, no odor, very moist
						Groundwater encountered at 16', no sample collected
						Water level was up to 13' prior to bentonite backfill
	20					
	25					

SUMMARY OF BORING

This log is part of the report prepared by ***PHASE ONE*** INC. This summary applies only for the location of this boring and for the time of drilling. Subsurface conditions may differ at other locations. The descriptions presented are simplifications of actual conditions encountered.

DESCRIPTIONS

PHASE ONE INC.
ENVIRONMENTAL ASSESSMENT SPECIALISTS

LOG OF BORING NO. GP-2

Project Name:	HARVEY RYDMAN	Contractor:	Phase One Inc.
Project No.:	4979	Driller(s):	Precision Drilling
Site Geologist(s):		Rig/Method:	Geoprobe
Logged by/Date:	Diane Scioli-Ota on 8/9/02	Screen Interval:	N/A
Total Depth of Boring (ft):	16	Total Depth of Well Construction (ft):	N/A
Elevations (Relative MSL):	N/A	Location:	2901 East 12th Street
Grade Level (ft):	N/A	City:	Oakland, CA
Top of Casing (ft):	N/A	Coordinates (ft):	

Record:	Date/Time	Groundwater:	Depth (ft)	Date/Time
Drilling/Coring:	9:10 am	ATD	N/A	
Well Construction:	N/A	SWL*	N/A	
Well Development:	N/A	SPL*	N/A	
Backfill	N/A			

* Prior to Initial Development

SAMPLE TYPE	DEPTH (ft)		SAMPLE NUMBER	MOISTURE		DESCRIPTIONS
						Asphalt (6") And Brown silty sand, moist
						Dark brown sandy, silty clay, moist
						Dark brown, silty clay, moist
Soil	5		GP-2@5	Moist		
Soil	10		GP-2@ 10	Moist		
						Dark brown sandy silty clay, moist
						Dark brown clay, very moist
						Dark brown sandy silt
	15		GP-2@ 15	Very Moist		Brown silty sandy clay with gravel, moist
						Grayish green sandy silty clay, petroleum odor, very moist
						Groundwater encountered at 16', no sample collected
						Water level was up to 12' prior to bentonite backfill
	20					
	25					

SUMMARY OF BORING

This log is part of the report prepared by ***PHASE ONE*** INC. This summary applies only for the location of this boring and for the time of drilling. Subsurface conditions may differ at other locations. The descriptions presented are simplifications of actual conditions encountered.

PHASE ONE INC.
ENVIRONMENTAL ASSESSMENT SPECIALISTS

LOG OF BORING NO. GP-3

Project Name: HARVEY RYDMAN
Project No.: 4979
Site Geologist(s):
Logged by/Date: Diane Scioli-Ota on 8/9/02
Total Depth of Boring (ft): 16

Contractor: Phase One Inc.
Driller(s): Precision Drilling
Rig/Method: Geoprobe
Screen Interval: N/A
Total Depth of Well Construction (ft): N/A

Elevations (Relative MSL): N/A
Grade Level (ft): N/A
Top of Casing (ft): N/A

Location: 2901 East 12th Street
City: Oakland, CA
Coordinates (ft):

Record:	Date/Time
Drilling/Coring:	9:50 am
Well Construction:	N/A
Well Development:	N/A
Backfill	N/A

Groundwater:	Depth (ft)	Date/Time
ATD	N/A	
SWL*	N/A	
SPL*	N/A	

* Prior to Initial Development

SAMPLE TYPE	DEPTH (ft)		SAMPLE NUMBER	MOISTURE		DESCRIPTIONS
						Asphalt (6")
						Nothing in continuous core
						Sandy gravel, moist (3-1/2' to 4')
	5					Nothing in continuous core
Soil			GP-3@6	Moist		Dark brown, silty clay, moist
						Dark brown clay, moist
Soil	10		GP-3@ 10	Moist		Dark brown silty, sandy clay, moist
						Brown sandy silt with gravel, very moist
						Greenish gray silty clay, very moist, petroleum odor
Soil	15		GP-3@ 16	Very Moist		Brownish gray, silty clay, very moist, petroleum odor
						Groundwater encountered at 16', no sample collected
						Water level was up to 13' prior to bentonite backfill
	20					
	25					

SUMMARY OF BORING

This log is part of the report prepared by ***PHASE ONE*** INC. This summary applies only for the location of this boring and for the time of drilling. Subsurface conditions may differ at other locations. The descriptions presented are simplifications of actual conditions encountered.

McCampbell Analytical Inc.
110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

Phase One, Inc.	Client Project ID: #4979; 12th St.	Date Sampled: 08/09/02
4340 Almaden Expswy, Suite 110		Date Received: 08/09/02
San Jose, CA 95118	Client Contact: Diane Scioli-OTA	Date Extracted: 08/09/02
	Client P.O.:	Date Analyzed: 08/10/02-08/16/02

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0208157

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	GP-1@5	S	ND	ND	ND	ND	ND	ND	1	119
002A	GP-1@10	S	ND	ND	ND	ND	ND	ND	1	99.7
003A	GP-1@15	S	14,g	ND	ND	0.017	ND	0.016	1	94.9
004A	GP-2@5	S	ND	ND	ND	ND	ND	ND	1	101
005A	GP-2@10	S	ND	ND	ND	ND	ND	ND	1	99.6
006A	GP-2@15	S	49,g,m	ND	ND	0.018	0.015	0.044	1	109
007A	GP-3@6	S	ND	ND	ND	ND	0.010	ND	1	99.3
008A	GP-3@10	S	ND	ND	ND	ND	ND	ND	1	100
009A	GP-3@16	S	46,g,m	ND	ND	0.044	0.030	0.053	1	---#
Reporting Limit for DF =1; ND means not detected at or above the reporting limit		W	NA	NA	NA	NA	NA	NA	1	ug/L
		S	1.0	0.05	0.005	0.005	0.005	0.005	1	mg/Kg

*water and vapor samples are reported in ug/L, soil and sludge samples in mg/kg, wipe samples in ug/wipe, and TCLP extracts in ug/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern.

DHS Certification No. 1644

Edward Hamilton, Lab Director

McCampbell Analytical Inc.
110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone: 925-798-1620 Fax: 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

Phase One, Inc.	Client Project ID: #4979; 12th St.	Date Sampled: 08/09/02
4340 Almaden Expswy, Suite 110		Date Received: 08/09/02
San Jose, CA 95118	Client Contact: Diane Scioli-OTA	Date Extracted: 08/09/02
	Client P.O.:	Date Analyzed: 08/10/02-08/14/02

Diesel Range (C10-C23) Extractable Hydrocarbons as Diesel*

Extraction method: SW3550C Analytical methods: SW8015C Work Order: 0208157

Lab ID	Client ID	Matrix	TPH(d)	DF	% SS
0208157-001A	GP-1@5	S	2.1,g	2	102
0208157-002A	GP-1@10	S	3.8,g	2	99.9
0208157-003A	GP-1@15	S	350,a/m	2	93.3
0208157-004A	GP-2@5	S	ND	1	106
0208157-005A	GP-2@10	S	5.2,g	5	88.8
0208157-006A	GP-2@15	S	630,a/m	1	84.9
0208157-007A	GP-3@6	S	3.6,g	2	92.5
0208157-008A	GP-3@10	S	1.6,g	1	89.8
0208157-009A	GP-3@16	S	96,a/m	1	85.7
Reporting Limit for DF =1; ND means not detected at or above the reporting limit		W	NA		NA
		S	1.0		mg/Kg

* water and vapor samples are reported in ug/L, wipe samples in ug/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all TCLP / STLC / SPLP extracts in ug/L

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent.

DHS Certification No. 1644

Edward Hamilton, Lab Director

McCampbell Analytical Inc.
110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

Phase One, Inc.	Client Project ID: #4979; 12th St.	Date Sampled: 08/09/02
4340 Almaden Expswy, Suite 110		Date Received: 08/09/02
San Jose, CA 95118	Client Contact: Diane Scioli-OTA	Date Extracted: 08/09/02
	Client P.O.:	Date Analyzed: 08/09/02

Lead by ICP*

Analytical methods: 6010C

Work Order: 0208157

Extraction method: SW3050B

Lab ID	Client ID	Matrix	Extraction	Lead	DF	% SS
0208157-003A	GP-1@15	S	TTLC	10	1	105
0208157-006A	GP-2@15	S	TTLC	8.3	1	104
0208157-009A	GP-3@16	S	TTLC	9.6	1	106
Reporting Limit for DF =1; ND means not detected at or above the reporting limit		W	TTLC	NA		mg/L
		S	TTLC	3.0		mg/Kg

* water samples are reported in mg/L, soil/sludge/solid/product samples in mg/kg, wipes in ug/wipe and all TCLP / STLC / DISTLC / SPLP extracts in mg/L.

ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

Analytical Methods: EPA 6010C/200.7 for all elements except: 200.9 (water- Sb, As, Pb, Se, Tl); 245.1 (Hg); 7010 (sludge/soil/solid/oil/product/wipes - As, Se, Tl); 7471B (Hg).

DISTLC extractions are performed using STLC methodology except that deionized water is substituted for citric acid buffer as the extraction fluid. DISTLC results are not applicable to STLC regulatory limits.

i) liquid sample that contains greater than ~2 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations; z) reporting limit raised due to matrix interference.

Edward Hamilton, Lab Director

DHS Certification No. 1644

Sent By: McCampbell Analytical, Inc.; 1 925 798 4612; Aug-16-02 3:14PM; Page 4/6

053

0208157

McCAMPBELL ANALYTICAL INC.

110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Telephone: (925) 798-1620 Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAY

EDF Required? ☐ Yes ☐ No

Report To: DIANE SCIOLI-OTA Bill To: ERIC KIESELBACH
Company: PHASE ONE INC
2680 Walnut Ave, Ste B
Tustin CA 92780 E-Mail: diane s@phase..com
Tele: ( ) 714 669 8055 Fax: ( ) 714-669-8025
Project #: 4979 Project Name: 12th St
Project Location: 2901 E. 12th St. Oakland
Sampler Signature: Diane Scioli-Ota

Analysis Request

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED Ice	METHOD PRESERVED HCl	METHOD PRESERVED HNO_3	METHOD PRESERVED Other	BTEX & TPH as Gas (602/8020 + 8015/M18E)	TPH as Diesel (8015)	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601 / 8010	BTEX ONLY (EPA 602 / 8020)	EPA 608 / 8080	EPA 608 / 8080 PCB's ONLY	EPA 624 / 8240 / 8260	EPA 625 / 8270	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals	LUFT 5 Metals	Lead (7240/7421/239.2/6010)	RCI	Other pH	Other TSS	Other Specific Conductivity	Comments
GP-1@5		8/9/02	8:25	1	Brass Tube Sleeves		X				X				X	X																	
GP-1@10			8:35				X				X				X	X																	
GP-1@15			8:45				X				X				X	X												X					
GP-2@5			9:10				X				X				X	X																	
GP-2@10			9:20				X				X				X	X												X					
GP-2@15			9:20				X				X				X	X																	
GP-3@6			9:50				X				X				X	X																	
GP-3@10			9:55				X				X				X	X												X					
GP-3@16			10:05				X				X				X	X																	

Relinquished By:	Date:	Time:	Received By:
Diane Scioli-Ota	8/9/02	12:10 pm	[signature]
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° ✓
GOOD CONDITION ✓
HEAD SPACE ABSENT ____
DECHLORINATED IN LAB ____

PRESERVATION ____ VOAS | O&G | METALS | OTHER
APPROPRIATE CONTAINERS ✓
PERSERVED IN LAB ____

Appendix H

Alameda County Department of Environmental Health and EFC Charter Schools

***Voluntary Remedial Action Agreement*, May 5, 2020**

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
REBECCA GEBHART, Interim Director

DEPARTMENT OF ENVIRONMENTAL HEALTH
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

PR #5108

VOLUNTARY REMEDIAL ACTION AGREEMENT

This Voluntary Remedial Action Agreement ("Agreement") is between Education for Change ("Responsible Party") and the Alameda County Department of Environmental Health (ACDEH) and is effective on the date signed by the Director of ACDEH.

Responsible Party has completed and submitted a request form for ACDEH to provide supervision at the following location (the "Site"):

29th Avenue
Property Address

Oakland
City

25-693-8
APN(s)

The Parties hereby agree as follows:

1. Remedial Action. Responsible Party agrees to:

    a. Perform the remedial actions identified in Exhibit 1 and other actions as may be requested by ACDEH during the term of this Agreement.

    b. Perform all the work required by this Agreement including modifications or additions requested by ACDEH.

    c. Timely reporting, investigation, and cleanup of soil and/or groundwater contamination in compliance with appropriate laws, regulations, and policies.

    d. Conduct all activities in accordance with applicable regulatory requirements and industry practices.

    e. Conduct remedial actions that may be necessary to protect human health and the environment.

2. ACDEH Supervision. ACDEH shall review and provide written comments to Responsible Party regarding the proposed remedial work. Regardless of the level of supervision from ACDEH, the Responsible Party is responsible for all actions related to the site. Responsible Party is also responsible for compliance with any new laws or regulations that may be applicable during the term of this Agreement.

3. Documents.

    a. Responsible Party hereby verifies that it has submitted to ACDEH all background information, environmental assessment reports (including Phase I Environmental Assessment Reports), analytical results, and any other information pertinent to the

characterization and cleanup of the site ("Documents").

b. Responsible Party hereby verifies that all submitted information and documents are current and accurate to the best of his/her knowledge. Responsible Party understands and agrees that Documents it submits must be prepared by, signed and stamped by environmental professionals who are licensed to perform these activities in California.

c. If any additional information becomes available, or Responsible Party becomes aware that information contained in any Document is inaccurate, it shall immediately notify ACDEH in writing.

4. Dangerous Condition. Responsible Party shall notify ACDEH immediately upon learning of any condition that may pose an immediate threat to public health or safety or the environment. Responsible Party shall immediately take remedial measures to address any immediate threat or imminent or substantial endangerment.

5. State Enforcement Action. Entering into this Agreement does not prevent the DTSC, the State Water Resources Control Board (State Water Board), or the Regional Water Board from taking an enforcement action to address the release.

6. Referral of Case to DTSC or Regional Water Board. Nothing in this Agreement prevents ACDEH, if it determines it is appropriate, from referring the site to DTSC or Regional Water Board.

7. Electronic Submittal of Information. This case is subject to California regulations for electronic submittal of information for all soil and groundwater cleanup cases in California (Title 23, Division 3, Chapter 30, Articles 1 and 2; Title 27, Division 3, Subdivisions 1 and 2). All required submittals must be uploaded to the State of California GeoTracker database in compliance with State Water Board (GeoTracker) requirements by specified submittal due dates. Responsible Party shall also submit all reports to the ACDEH FTP site. Detailed instructions for submission of electronic documents to the ACDEH FTP site is available on line at http://www.acgov.org/aceh/lop/upload_instructions.pdf.

8. Completion of Remedial Action. Upon completion of remedial action, ACDEH will provide the Responsible Party with a letter stating that actions required by this agreement are complete and no further action is required (i.e. Closure Letter).

9. Full Compliance. Responsible Party is required to comply with all legal requirements. Entering into this Agreement with ACDEH does not affect the rights or obligations of any other agency to regulate, inspect, permit, issue violations and issue orders. Responsible Party cannot rely on this Agreement, any directions or assistance from ACDEH to avoid compliance with the law or responding to and fully cooperating with other regulatory agencies.

10. Access to Site. Responsible Party shall provide ACDEH full access to the Site and take all reasonable efforts to obtain access to offsite areas to which access is necessary to implement this Agreement. Such access shall be provided to ACDEH employees, contractors, and consultants at all reasonable times. Nothing in this paragraph is intended or shall be construed to limit in any way the right of entry or inspection that ACDEH or any other agency may otherwise have by operation of law.

11. Payment of Cost.

    a. Fees. Pursuant to Health and Safety Code § 101490 ACDEH will charge Responsible Party for all costs including ACDEH staff time. Responsible Party agrees to promptly pay all charges

    b. Hourly Rate. The ACDEH hourly charge rate is $174 per hour as of July 1, 2015. The hourly charge rate may be adjusted periodically to reflect program costs.

    c. Deposit. Responsible Party shall submit an initial deposit of $6,000.00 payable to Alameda County Department of Environmental Health with the ACDEH case number (which can be found on the footer of this Agreement) and the Site address written on the check. Checks are to be mailed or delivered to the attention of ACDEH Finance Department, 1131 Harbor Bay Parkway, Alameda, CA 94502. This deposit may or may not be sufficient to provide all necessary regulatory oversight. At the request of ACDEH, Responsible Party will submit a further deposit if the funds are depleted. Additional funds, if requested, must be submitted within two (2) weeks of the request.

    d. Application of Deposit. ACDEH will apply the deposit as work is performed. If the initial fund deposit is insufficient, an additional deposit will be requested. Any unused funds will be refunded to the Responsible Party. If the reasonable and necessary costs have been expended, including staff time, prior to execution of this Agreement, ACDEH will apply the deposit to that amount first.

    e. Payment of Costs after Termination. In the event that this Agreement is terminated for any reason, the Responsible Party shall still be responsible for payment of ACDEH costs through the effective date of termination.

12. Indemnification. Responsible Party, directly or through the Site property owner, agrees to hold harmless, defend and indemnify the County of Alameda, its Board of Supervisors, their officers, agents and employees from and against any and all claims, causes of action, losses, damages, liabilities and expenses, including but not limited to attorneys' fees, arising out of or resulting from or in any way connected with this Agreement except where caused solely by the gross negligence or willful misconduct of any indemnitee. The County may participate in the defense of any such claim without relieving Responsible Party of any obligation hereunder.

13. Termination.

    a. ACDEH may, after giving Responsible Party adequate notice, withdraw from this Agreement at any time after making one of the following findings: (1) Responsible Party is not in compliance with this Agreement; (2) Appropriate staff resources, technical expertise, or technical capabilities are not available to adequately provide oversight of the remedial action; or (3) The release of the waste that is the subject of the remedial action is of a sufficiently complex nature or may present such a significant potential hazard to human health or the environment that it should be referred to the Department of Toxic Substances Control (DTSC) or a California Regional Water Quality Control Board (Regional Water Board).

    b. The Responsible Party may terminate this Agreement provided: (1) the Responsible Party pays ACDEH costs through the effective date of termination; (2) The Responsible Party submits all analytical results and any other information pertinent to the characterization and cleanup of the site in its possession through the effective date of termination; and (3) in coordination with ACDEH, is leaving the Site in a safe condition as of the effective date of

termination including filling in any excavations, removing equipment and providing pertinent information to the Property Owner, with a copy to ACDEH.

14. Entire Agreement. This Agreement, including all attachments, exhibits, and any other documents specifically incorporated into this Agreement, shall constitute the entire agreement between Parties relating to the subject matter of this Agreement. No supplement, amendment, or modification of this Agreement shall be binding unless it is in writing and signed by authorized representatives of both Parties.

15. Headings. Headings are for convenience of reference only and shall in no way affect interpretation of the Agreement.

16. Severability: If a court of competent jurisdiction holds any provision of this Agreement to be illegal, unenforceable, or invalid in whole or in part for any reason, the validity and enforceability of the remaining provisions, or portions of them, will not be affected, unless an essential purpose of this Agreement would be defeated by the loss of the illegal, unenforceable, or invalid provision.

Ronald Browder	11-03-2016
Ronald Browder, Acting Director	Date

	Richard McNeel	10/20/16
Signature (Responsible Party)	Printed Name	Date

EXHIBIT 1

SCOPE OF WORK

This Voluntary Remedial Action Agreement applies to 29th Avenue, Oakland CA 94601, APN 25-693-8. ACDEH will provide supervision of the proposed residential redevelopment at the site with respect to subsurface contamination related to historic uses at the site.

Responsible Party shall complete the following tasks:

1. Submittal of Existing Data. Submit to ACDEH all background information, analytical results, environmental assessment reports including Phase I environmental assessment reports, and any other information pertinent to environmental conditions at the site.

2. Site Assessment. Conduct site assessment activities to characterize the nature and extent of contamination and to determine whether the site poses a threat to human health or the environment. Documents which may be required as part of this site could potentially include the following:

    - Work Plans
    - Site Assessment Reports
    - Risk Assessment Reports
    - Sensitive Receptor Survey Reports
    - Conceptual Site Models

3. Remedial Actions. Documents which may be required as part of the remedial actions could potentially include the following:

    - Interim Remedial Action Work Plans
    - Feasibility Study Reports
    - Corrective Action Plans
    - Remedial Action Reports
    - Site Management Plans

4. Additional Actions. Responsible Party understands that as additional information about the waste release, site conditions, and related information becomes available, additional actions will be recommended and/or required. ACDEH will provide the information regarding additional actions through directive letters referencing this Agreement.

Appendix I

Geosyntec Consultants, Inc.

***Data Gaps Investigation Work Plan and Site Cleanup Program*, November 25, 2020**

Geosyntec consultants

924 Anacapa Street, Suite 4A
Santa Barbara, California 93101
PH 805.897.3800
FAX 805.899-8689
www.geosyntec.com

November 25, 2020

Jonathan Sanders
Alameda County Health Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502

Subject: **Data Gaps Investigation Workplan**
Site Cleanup Program Case No. RO0003432
GeoTracker Global ID T10000014503
Education for Change Latitude High School
1045 Derby Avenue, Oakland, California 94601

Dear Mr. Sanders:

This letter transmits the subject report that was prepared under our responsible charge. Authorization to submit this report was given by Hae-Sin Thomas with Education for Change Public Schools (EFCPS) and is attached.

Sincerely,

Robert Ettinger
Senior Principal

Kevin Coffman, P.G.
Senior Geologist

PROFESSIONAL GEOLOGIST
Kevin C. Coffman
8387
expires 10/31/2021
STATE OF CALIFORNIA

Attachment:
EFCPS Authorization Letter

Copy:
Hae-Sin Thomas – Education for Change
Markus Niebanck – Amicus
Dilan Roe – ACDEH
Paresh Khatri – ACDEH

DocuSign Envelope ID: 9F917CD6-8B2D-4FB3-BE33-DCF721E4B965

Education *for* Change
Public Schools

Mr. Robert Ettinger
Senior Principal
Geosyntec Consultants, Inc.
924 Anacapa St. #4A
Santa Barbara, California 93101

Subject: **Data Gaps Investigation Workplan**
Site Cleanup Program Case No. RO0003432
GeoTracker Global ID T10000014503
Education for Change Latitude High School
1045 Derby Avenue, Oakland, California 94601

Report Date: **November 25, 2020**

Dear Mr. Ettinger:

I have reviewed and approved the subject document. Please submit it to the Alameda County Health Care Services Agency, Department of Environmental Health. I have read and acknowledge the content, recommendations, and/or conclusions in the subject document submitted on my behalf. I declare, under penalty of perjury, that to the best of my knowledge, the information contained in the subject document is true and correct.

Sincerely,

DocuSigned by:
Hae-Sin Thomas
15D34ABF89AB4B8...

Hae-Sin Thomas
Chief Executive Officer
Education for Change Public Schools

Date: 11/25/2020

Prepared for:

Education for Change Public Schools
333 Hegenberger Road, Suite 600
Oakland, California

DATA GAPS INVESTIGATION WORK PLAN

SITE CLEANUP PROGRAM CASE NO. RO0003432
GEOTRACKER GLOBAL ID T10000014503

LATITUDE HIGH SCHOOL
1045 DERBY AVENUE
OAKLAND, CALIFORNIA

Prepared by:

Geosyntec consultants

engineers | scientists | innovators

924 Anacapa Street, Suite 4A
Santa Barbara, CA 93101
Telephone: (805) 897-3800
www.geosyntec.com

Project Number: SB1027
November 25, 2020

DATA GAPS INVESTIGATION WORK PLAN

SITE CLEANUP PROGRAM CASE NO. RO0003432
GEOTRACKER GLOBAL ID T10000014503

LATITUDE HIGH SCHOOL
1045 DERBY AVENUE
OAKLAND, CALIFORNIA

Prepared for:

Education for Change Pubic Schools

Prepared by:

Geosyntec Consultants, Inc.

November 25, 2020

Robert Ettinger
Project Director

Date

November 25, 2020

Kevin Coffman, PG
Senior Geologist

Date

TABLE OF CONTENTS

1. INTRODUCTION 1
2. ENVIRONMENTAL DOCUMENTATION REVIEW 2
2.1 Summary of Historical Sources Review 2
2.2 Database Report & Online Database Review 3
2.3 Regulatory Agency Files 4
2.4 Past Investigations 6
2.4.1 1993 Solvent UST Removal 6
2.4.2 1997 to 2011 6
2.4.3 2018 to Present Day 8
2.5 "0" 29th Avenue 9
2.6 Other Properties 10
3. OBJECTIVES AND INVESTIGATION APPROACH 11
3.1 Investigation Approach 11
4. INVESTIGATION SCOPE AND FIELD METHODOLOGY 12
4.1 Pre-Field Activities 12
4.2 Utility Clearance 12
4.3 Permit Acquisition 12
4.4 Soil Boring Advancement 12
4.4.1 Soil Sample Collection 13
4.4.2 Soil Vapor Probe Construction and Sampling 13
4.4.3 Monitoring Well Construction and Sampling 14
4.5 Quality Assurance/Quality Control 15
4.6 Decontamination Procedures 15
4.7 Investigation Derived Waste Handling 15
5. REPORTING AND SCHEDULE 16
5.1 Reporting 16
5.2 Schedule 16
6. REFERENCES 17

LIST OF FIGURES

Figure 1: Site Location Map
Figure 2: Historical Site Features
Figure 3: Former Sample Locations
Figure 4: Proposed Sample Locations
Figure 5: Proposed Sample Locations on Proposed Site Layout

LIST OF TABLES

Table 1: Historical On-Site Soil Sampling Data
Table 2: Historical On-Site Groundwater Sampling Data
Table 3: Historical On-Site Sub-Slab Soil Vapor Sampling Data
Table 4: Historical On-Site Outdoor Air Sampling Data
Table 5: Historical On-Site Indoor Air Sampling Data
Table 6: Proposed Sample Location Rationale Table

LIST OF APPENDICES

Appendix A: Site Development Plans
Appendix B: Environmental Review & Supporting Documentation

1. INTRODUCTION

This Data Gaps Investigation Work Plan (Work Plan) has been prepared by Geosyntec Consultants (Geosyntec) on behalf of Education for Change Public Schools (EFC) for the Latitude High School located at 1045 Derby Avenue in Oakland, California (Site). EFC is pursuing permits and approvals to construct and operate a charter high school on the Site which is comprised of two adjacent properties: (i) the former Caltrans maintenance station property (southern parcel) with an address of 1112 29th Avenue [1](APN 25-693-7-2) and (ii) the property with historical railroad lines (northern parcel) with an address of "0" 29th Avenue (APN 25-693-8). The Site is bounded by Derby Avenue to the southeast, 29th Street to the northwest, commercial properties to the north, and Union Pacific rail lines to the south (**Figure 1**).

EFC currently leases the southern parcel from the California Department of Transportation (Caltrans), which used the property from 1921 through 2010. EFC intends to acquire this parcel from Caltrans in early 2021. EFC currently owns the mostly vacant northern parcel. The high school plans to use the existing buildings present on the southern parcel for classrooms, administrative and support offices, and storage. The northern parcel primarily will be used for recreational areas (e.g., playing fields). In the future, EFC plans to construct a new multi-purpose building on the northeastern end of the Site[2]. Further details regarding the proposed development for the Site are provided in **Appendix A**.

EFC is conducting an environmental investigation and corrective action assessment to facilitate planned site redevelopment for the Latitude High School under Voluntary Remediation Action Agreement Number RO0003432-2020-04-29. This document presents the results of an environmental document review and data gap investigation work plan for the former Caltrans maintenance station property (the southern property). A separate data gaps investigation work plan has been prepared for the northern parcel (former railroad property) [Apex, 2020]. The results of both of these investigations will be presented in a single combined report for the EFC Latitude High School Site.

[1] This property has been referenced as 1112 29th Avenue and 1045 Derby Avenue in previous reports.
[2] The schedule for this phase of construction is currently estimated to be 1 to 2 years in the future; however, actual timing is dependent on the time required to raise funds for this phase of the development.

2. ENVIRONMENTAL DOCUMENTATION REVIEW

Prior to developing the scope of the Work Plan presented herein, Geosyntec performed a review of publicly available documentation regarding historical activities in order to identify data gaps in the prior environmental assessment and remediation performed at the southern parcel. Geosyntec contracted with Environmental Risk Information Services (ERIS) to provide standard historical records, including aerial photographs, topographic maps, fire insurance maps (FIMs), and city directories as well as physical setting report for the area and an environmental database search report. In addition, file searches were conducted for records held by the City of Oakland Department of Planning and Building (DPB), City of Oakland Fire Department (FD), City of Oakland Department of Public Works (DPW), Bay Area Air Quality Management District (AQMD), and the Alameda County Department of Environmental Health (ACDEH). Copies of relevant documentation are provided in **Appendix B**.

2.1 Summary of Historical Sources Review

A review of historical aerial photographs, topographic maps, city directory listings, and FIMs obtained through ERIS was conducted to establish the history of structural improvement and identify potential sources of soil and groundwater contamination associated with the built environment. Documents reviewed include:

- Historical aerial photographs – 1939, 1946, 1958, 1965, 1968, 1974, 1982, 1993, 1982, 1993, 2003, 2005, 2009, 2010, 2012, 2014, 2016, 2018, and 2020;
- Historical topographic maps – 1897, 1915, 1947, 1949, 1959, 1968, 1973, 1980, 1997, and 2015;
- FIMs – 1903, 1911, 1950, 1952, 1953, 1957, 1959, 1960, 1964, 1965, 1967, and 1969; and
- City directories – 1943, 1946, 1956, 1961, 1966, 1968, 1975, 1980, 1985, 1991, 1996, 2001, 2006, 2008, 2013, and 2018.

A summary of the findings from the review of the historical sources is provided below, and identified features are labelled on **Figure 2**.

- In the earliest available FIM, the southern parcel was depicted as vacant of structures, but by the time of the earliest aerial photograph in 1939, structures were visible which were broadly consistent with the 1950 FIM in which the southern parcel was labelled ‘Cal. Highway Commissions Equipment Yard’. The southern parcel was indicated to be occupied by a large building adjoining the central eastern boundary (former Caltrans Building 1834 [Geocon, 2019c]) with a smaller building labelled ‘office’ to its south and an ‘equipment shed’ to the north (former Caltrans

Building 1832 [Geocon, 2019c]). The northern corner of the southern parcel was observed to be fenced off and the surface unsealed. An additional small structure depicted in the southern portion with illegible labelling has been identified in as-built Site plans as a former refueling station.

- By the time of the 1952 FIM, former Caltrans Building 1834 was labelled 'Cal. Highway Commissions storeroom, warehouse, and shops' with the western corner of the building indicated to be used for spray painting. Former Caltrans Building 1832 had expanded and was labelled 'Autos & Equipment [possibly repairing]'. By this time, an office had been constructed in the northern formerly vacant portion of the southern parcel (former Caltrans Building 1831 [Geocon, 2019c]) and what appeared to be a shed labelled 'Autos and Equipment Storage' was present on the western boundary (area of present day shade canopy). The southern portion of the parcel was labelled as an equipment yard.
- The southern parcel appeared largely unchanged in subsequent FIM and aerial photographs through to 2005, at which time an additional building was observed in the south eastern corner. By 2014, the building was no longer present, and that portion of the parcel appeared unoccupied. By 2016, the structures had undergone improvements with additional buildings in the northern and southern portions, consistent with the timing of Education for Change's occupancy.

In summary, development of the southern parcel is indicated to have been accretive, with no evidence of significant demolition and rebuilding activities throughout its historical use as a Caltrans maintenance station.

2.2 Database Report & Online Database Review

The southern parcel was identified by ERIS in multiple listings including Historical Tank, Historical Hazardous Substance Storage Information (HHSS), Hazardous Waste Manifest Data (HAZNET), Historical Manifest, US EPA Facility Registry Service/Facility Index (FINDS/FRS), Alameda LOP, Cleanup Sites, and Leaking Underground Storage Tank (LUST) databases.

The Historical Tank and HHSS databases contain information collected in the 1980s by the State Water Resources Control Board from facilities that stored hazardous substances. The listings identified in the ERIS report pertained to three underground storage tanks (USTs) associated with the southern parcel, including a 4,000-gallon diesel UST installed in 1980; a 2,000-gallon regular motor fuel UST installed in 1969, and a 1,000-gallon UST with contents listed as empty, reportedly installed in 1980.

The southern parcel was also identified under entity Caltrans D4 Maintenance on the HAZNET and Historical Manifest databases associated for the generation of various waste streams between 1988 and 2014 under EPA handler ID CAD982029324. Notable waste

streams included 0.285 tons of halogenated solvents ("chloroforms, methyl chloride, perchloroethylene, etc.") in 1996, 0.1 tons and 0.125 tons of polychlorinated biphenyls (PBCs) and material containing polychlorinated biphenyls (PCBs) in 1998 and 2007 respectively; 0.435 tons of solids or sludges with halogenated organic compounds ≥ 1,000 milligrams per (mg/L) in 1998; oil/water separation sludge reportedly discharged to sewer in 2007, 2008, and 2009, and 2.91 and 0.18 tons of unspecified solvent mixtures in 1989 and 1993 respectively.

The ERIS report identified Epic Middle School on the Cleanup Program Site database under GeoTracker ID T10000014503, and Caltrans South Oakland Maintenance Station under GeoTracker ID T10000013161. Caltrans South Oakland Maintenance Station was also identified under GeoTracker ID T0600101631 as a LUST case, and on the Alameda LOP Cleanup Sites database. The information reviewed in these databases has been incorporated into Section 2.5 of this report.

With the exception of the information obtained in the GeoTracker database, the database report and online database review did not identify additional evidence of the potential for significant environmental impacts to have occurred as a result of the southern parcel's prior use.

2.3 Regulatory Agency Files

In addition to obtaining and reviewing the information in the ERIS report, Geosyntec requested file searches from the City of Oakland DPB, FD, and PW, Bay Area AQMD, and the ACDEH. Excluding ACDEH and the DPB, the agencies advised that no records were held pertaining to either 1112 29th Avenue or 1045 Derby Avenue. Records held by the DPB were reviewed; no information relevant to the historic use or potential sources of contamination was identified. ACDEH confirmed that a number of files are held regarding the southern parcel; these files had not been received at the time of submitting this Work Plan.

However, historical documentation held by the City of Oakland FD, ACDEH, and Bay Area AQMD by Geocon Consultants, Inc. (Geocon) as part of the Historical Building and Utility Survey [Geocon, 2019]. According to this survey, Caltrans records indicated that the California Highway Commissions built the original 10,980 square-foot building in 1925 (former Caltrans Building 1834) and the southern parcel was subsequently improved in 1951 with the addition of an office, a new truck repair shop, a parking shed, and a gas house. In addition, a search of as-built drawings performed by the Division of the State Architect identified as-built plans for the improvements performed in 1951, depicting features including a wash rack area with grease sump and connected sewer drain, loading platform, aboveground Liquid Petroleum Gas (LPG) tank, office building, and "New Gas Station" building.

Documentation held by ACDEH and Oakland FD indicated the southern parcel operated under various Certified Unified Program Agency (CUPA) programs including the Hazardous Materials Business Plan, Uniform Fire Code, Hazardous Materials Storage, and Generator programs. Files reviewed included Hazardous Materials Management Plans, Emergency Response Plans, Inventories, Safety Data Sheets, tank monitoring plans, and inspection reports, dated between 1990 and 2014. Pertinent information obtained from these documents included reference to a former toluene-based thinner UST ("solvent UST") removed from the southern portion of the parcel adjacent to Derby Avenue in 1993, a roadside sump (location unspecified) which contained lead and benzene sludge pumped out twice yearly, permits to operate a 2,000-gallon gasoline and 4,000-gallon diesel UST, storage of unlabeled waste at the rear of the property, exposed treated wood held on the property, and the former use of chemicals including paints containing lead chromate, epoxy resins, hydrocarbon solvents, thermoplastics, and oils. Violations typically pertained to hazardous waste housekeeping; however, evidence of releases to the environment was not identified, with the exception of the former UST removed in 1993, discussed in Section 2.4. In addition, historic features identified included transformers, hazardous waste storage, waste oil containment, oil storage, paint storage areas, and vehicle wash area.

In summary, several historical features were identified during the review of regulatory agency files which may have impacted the condition of soil, soil vapor, and groundwater at the southern parcel. These features included the former solvent UST, hazardous material and waste storage areas, grease sump, roadside sump, transformers, treated wood storage, and refueling stations. These historical features are proposed to be investigated as part of this Work Plan.

2.4 Past Investigations

2.4.1 1993 Solvent UST Removal

On May 14, 1993, the 1,000-gallon solvent UST and associated product lines located in the southwestern portion of the southern parcel were removed under oversight of the ACDEH and documented in a Hazardous Materials Division Inspection form. The UST was noted to be empty at the time of its removal. Groundwater was encountered during the UST removal at 7 feet below ground surface (ft bgs) but was not sampled. Four soil samples were collected ('Fill End' and 'Pump End' at 6.5 ft bgs, 'Pipe-Line' at 2.5 ft bgs, and 'Stockpile') and analyzed for total petroleum hydrocarbon quantified as diesel (TPHd), TPH quantified as gasoline (TPHg), and benzene, toluene, ethylbenzene, and xylene (BTEX). Xylenes (6.5 micrograms per kilogram [µg/kg]), TPHd (5.6 milligrams per kilogram [mg/kg]) and TPHg (1.4 mg/kg) were identified in sample 'Pump End', and TPHd (2.2 mg/kg) was also detected in sample 'Pipe-Line'. The pit was reportedly backfilled with the excavated material and pea gravel, and the tank was disposed of off-Site on May 14, 1993 as non-Resource Conservation and Recovery Act (RCRA) Hazardous Waste Solid. Geosyntec's review indicates these concentrations were below current regulatory screening levels for a residential land use scenario.[3] However, samples were not collected from the base of the former UST pit; therefore, additional soil sampling is proposed in this Work Plan to assess deeper soils in this portion of the southern parcel.

2.4.2 1997 to 2011

According to documentation obtained on GeoTracker, on March 11, 1997, one 4,000-gallon UST and one 2,000-gallon UST as well as associated piping and fuel dispensers were removed from the central portion of the southern parcel under ACDEH oversight. Approximately 52 tons of soil were reportedly excavated. Four confirmation soil samples were collected at 10 ft bgs within the pit, which were analyzed for TPH, lead, and BTEX. Confirmation soil samples identified TPHg (380 mg/kg), TPHd (up to 21 mg/kg), benzene (up to 1,650 µg/kg), toluene (11,880 µg/kg), ethylbenzene (8,040 µg/kg), xylenes (48,860 µg/kg) and methyl tert-butyl ether (MTBE [up to 9,150 µg/kg]).

Four stockpile samples were also analyzed for TPH, lead, and BTEX. Stockpile results identified TPHg (up to 4.4 mg/kg), TPHd (up to 33mg/kg), lead (8.7 mg/kg), toluene (15 µg/kg), ethylbenzene (up to 11 µg/kg), xylene (up to 280 µg/kg) and MTBE (up to 293 µg/kg). The stockpile was disposed off-Site.

---

[3] January 2019 San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels, Department of Toxic Substances Control Human Health Risk Assessment Note 3 Residential, and May 2019 Regional Screening Levels.

In April and August 1999, further assessment was performed in order to characterize the extent of impacts to soil and investigate the potential for groundwater impacts. Soil borings were advanced in the general vicinity of the former UST tank hold at nine locations to depths ranging from 10 to 25 ft bgs. Samples were collected every 5 ft and analyzed for TPHg, TPHd, and volatile organic compounds (VOCs). The results identified TPHg at two locations up to 13 µg/kg (B6, B9), MTBE at three locations up to 160 µg/kg (B5, B7, B8), and tetrachloroethene (PCE) at two locations at a concentration of 1 µg/kg (B8, B9) in the vicinity of the former vehicle wash area. Geosyntec's review indicates these concentrations were below current regulatory screening levels for a residential land use scenario.[4]

Groundwater grab samples were collected from the boring locations and analyzed for TPHg, TPHd, and VOCs. The results identified low-level TPHg, TPHd, BTEX, MTBE, and several other VOCs above the laboratory reporting limit but below California Maximum Contaminant Levels (MCLs), with the exception of benzene (6.30 µg per liter [µg/L] at location B3), MTBE (6,600, 24, and 5,600 µg/L at locations B5, B6, and B7 respectively) and PCE (12 µg/L at location B6) at concentrations exceeding their MCLs of 1 µg/L, 13 µg/L, and 5 µg/L respectively.

In 2000, four groundwater monitoring wells (MW-1 through MW-4) were installed at the southern parcel to further investigate the results of the grab groundwater sampling and the impact of the historically leaking USTs. Total depth of the groundwater monitoring wells varied from 20 to 25 ft bgs, and twelve sampling events were performed between 2000 and 2005. Depth to water varied from approximately 7.5 to 10.5 ft bgs, with a measured gradient generally towards the southwest. Samples were typically analyzed for TPHg and VOCs. MTBE was consistently identified in upgradient monitoring well MW1 between 5.3 µg/L and 880 µg/L. Benzene was also identified in this well in exceedance of its MCL during the first two years of monitoring and was at or below the reporting limit between 2002 and 2005. MTBE (up to 7,520 µg/L) and benzene (up to 220 µg/L) were also consistently detected above MCLs in downgradient monitoring well MW-3. VOCs were detected in cross-gradient wells MW-2 and MW-4, but with the exception of benzene (18 µg/L) during the first monitoring event in 2000 in MW-4, concentrations were below MCLs.

In 2001, three additional borings, B10 through B13, were advanced off-Site to delineate the lateral extent of contamination down-gradient of the Site. Soil and groundwater grab

[4] January 2019 San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels, Department of Toxic Substances Control Human Health Risk Assessment Note 3, and USEPA Regional Screening Levels.

samples were analyzed for TPHg and VOC, and concentrations were below the laboratory reporting limits, residential screening levels, and/or MCLs.

Locations of samples from the investigative work described above are shown on **Figure 3**. Based on the results of the Site investigation work and a comparison of Site conditions relative to criteria in the Oakland Urban Land Redevelopment Program: Guidance Document, and performing 95% Upper Confident Limit (UCL) analysis, a request for low-risk case closure was submitted to the ACDEH in 2006 and closure accepted in 2011 for an ongoing industrial use only. The groundwater wells were destroyed in 2011.

Historic soil and groundwater data collected from the Site are presented in **Tables 1** and **2**. These results indicate that benzene and MTBE were present in groundwater at the conclusion of the monitoring program in 2005 in concentrations above their MCLs. Grab samples from three off-site downgradient locations collected in 2001 identified VOCs marginally above the laboratory detection limit, but well below MCLs, indicating that off-site migration of the plume was not significant. Further assessment of the extent and magnitude of the plume, as well as investigation into the detection of PCE above its MCL in the vicinity of the former grease sump, is proposed in this Work Plan.

2.4.3 2018 to Present Day

In September 2018, an indoor and outdoor air sampling event was conducted by Geocon under the oversight of the ACDEH. Air samples were collected from three outdoor and three indoor air locations and analyzed for VOCs. Several VOCs (chloromethane, ethanol, 2-propanol, acetone, methylene chloride, 2-butanone, ethyl acetate and toluene) were identified in the indoor air samples and similar concentrations were identified in the outdoor air samples. Concentrations were reportedly below the adopted California/OSHA criteria, and Geocon considered the detection of ethanol and toluene to be potentially associated with painting being performed at the Site during the sampling event.

In July 2019, a sub-slab soil vapor, indoor, and outdoor air sampling program was conducted by Geocon under the oversight of the ACDEH. The sample results were compared with the San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) environmental screening levels (ESLs) to assess the potential for health risk associated with the volatilization of contaminants in soil and groundwater underlying the building foundation to indoor air. Exceedances of residential ESLs (i.e., unrestricted land use) were observed in sub-slab soil vapor within the footprint of the buildings on the northern boundary at locations VP5 through VP10 for concentrations of benzene (5.6 $\mu g/m^3$), chloroform (5.3 $\mu g/m^3$), naphthalene (up to 36 $\mu g/m^3$), and PCE (250 $\mu g/m^3$).

Based on these results, interim mitigation measures were implemented including application of a Retro-Coat™ Vapor Intrusion Coating System to seal the building floor,

installation of air purification units, and modifications to the heating, ventilation, and air conditioning (HVAC) system. A Human Health Risk Assessment (HHRA) was prepared by Geosyntec which indicated that the cumulative cancer risks and noncancer hazards posed by the maximum COPC concentrations detected in indoor air prior to implementation of vapor intrusion mitigation measures at the Site did not exceed the de minimis risk levels.

Monitoring of the interim measures including collection of sub-slab soil vapor, indoor, and outdoor air was conducted by Geocon between August and September 2019. Additionally, a recent round of sub-slab vapor samples were collected in October 2020 by Geosyntec. Sub-slab vapor concentrations of benzene (up to 5.6 µg/m^3), PCE (up to 480 µg/m^3), naphthalene (up to 17 µg/m^3), 1,4-dioxane (30 µg/m^3) and chloroform (5.3 J µg/m^3) were detected above their residential ESLs. The post-mitigation indoor air concentrations were either below SFBRWQCB ESLs for residential (i.e., unrestricted) land use, at background levels, or were not related to sub-surface contamination (i.e., not detected in sub-slab samples).

Sub-slab vapor, indoor air, and outdoor air data collected from the southern parcel are presented in **Tables 3**, **4**, and **5.** The results obtained to date indicate the presence of VOCs, including PCE, in soil vapor beneath former Caltrans Buildings 1832 and 1834. However, implementation of the interim mitigation measures addressed vapor intrusion concerns for the property.

2.5 "0" 29th Avenue

This property (APN 25-693-8) is currently owned by EFC and will be the northern portion of the Latitude High School Site. It was first developed from as early as 1897 with two railroad lines which were removed sometime between 1987 and 1993 [Apex, 2020]. Previous environmental investigations conducted at the Site included a soil assessment completed by Tec Accutite, Inc. (TEC) in 2007 and a soil and soil vapor investigation completed by ERAS Environmental, Inc. (ERAS) in 2017 [ERAS, 2017]. Results identified TPH as motor oil, naphthalene PCBs, nickel, polycyclic aromatic hydrocarbons (PAHs) and zinc above the laboratory reporting limit in soil but reportedly below SFBRWQCB ESLs for a commercial land use scenario. Soil vapor samples results identified several VOCs above the reporting limit but below SFBRWQCB ESLs for a commercial land use, with the exception of chloroform and benzene. Further investigation into the PCBs in soil and the potential for pesticides and metals to be present associated with the former railroad tracks is addressed in the data gap investigation work plan for this property [Apex, 2020].

2.6 Other Properties

The property at 2901 East 12th Street (APN 25-6936-4) adjoins the "0" 29th Avenue property to the northeast at the intersection of 29th Avenue and East 12th Street and was formerly occupied by a gas station. A Phase II Environmental Site Assessment Report prepared by Phase One, Inc. (POI) dated August 23, 2002 indicated that USTs were historically present on the property in the 1940s and 1950s when the property was operated as a service station. A geophysical survey performed for the assessment revealed three areas of disturbed soil, potentially indicative of excavations associated with former USTs, product lines, and dispensers, and a possible remaining waste oil UST. In August 2002, three soil borings were advanced at the property to a depth of 16 ft bgs. Petroleum odors and grey-green staining were observed in soil at all three locations, and TPHg (up to 49 mg/kg), TPHd (630 mg/kg), toluene (up to 0.044 mg/kg), ethylbenzene (up to 0.030 mg/kg) and xylene (up to 0.053 mg/kg) were identified in soil at the water table, encountered between 14 and 16 ft bgs. Groundwater was not sampled for the assessment. A letter from ACDEH to various entities dated August 2019 indicated that the case did not meet the Low Threat Closure Policy (LTCP) requirements, and further assessment was requested. However, no further documentation was available on GeoTracker, therefore the status of this additional assessment is unknown.

3. OBJECTIVES AND INVESTIGATION APPROACH

The historical site development/use summarized in the preceding sections of this report provides a context within which a review of historic and recent environmental investigations can be conducted. Based on the examination of historic and recent site features/uses and the respective episodes of site investigation, Geosyntec has identified which areas of the property require additional assessment. The results of this "data gap" assessment will complement the existing record; a comprehensive presentation of site environmental conditions will be prepared at the conclusion of the activities described below.

3.1 Investigation Approach

The data gaps investigation will produce environmental data needed to plan for and implement the redevelopment, inclusive of construction activities (i.e., potential exposures to construction workers), and future use of the southern parcel as a high school (i.e., potential exposures to school staff and students). Proposed investigative locations were selected based on evaluation of historic data obtained for the southern parcel and on data gaps identified through the review of historical property documentation. The data gap investigation will consist of:

- Soil sampling: Shallow (1 to 3 feet below ground surface [ft bgs]) sampling for metals, PCBs, and/or cresols) and deeper (5 and 10 ft bgs) sampling for VOCs and TPH;
- Soil vapor sampling: Samples collected at 5 ft bgs for VOC analysis; and
- Groundwater sampling: Samples collected in areas of potential groundwater impacts.

Sample locations and rationale are summarized in **Table 6**. **Figure 2** shows site features identified during the records review as of potential environmental concern. **Figure 3** shows proposed areas of data gap sampling; Figure 5 shows the proposed data gap sampling locations on the current plan for property redevelopment.

As has been discussed, a multi-purpose structure is contemplated for development in the northern portion of the property in the area presently occupied by "Building B" and the Mini Football Field to be constructed during the 2021 first phase of site improvement. The data gap investigation supports the 2021 construction only, as the timing and final configuration of the multi-purpose building are not known (the planning for this structure is at least several years away; additional data needs should be determined when and if this second phase of improvement moves into planning).

4. INVESTIGATION SCOPE AND FIELD METHODOLOGY

The following sections provide a discussion of the pre-field activities and investigation methodology that will be implemented for the proposed scope of work. Field work will be performed under the direction of a California Professional Geologist.

4.1 Pre-Field Activities

A site-specific Health & Safety Plan (HASP) will be prepared for Geosyntec personnel. Sub-contractors working on the project will provide their own personnel with HASPs. Site personnel will have 40-hour health and safety training (CFR 1919.120).

A job walk will be arranged with the client representative and Geosyntec personnel to walk the sample locations to identify potential issues (e.g., buried utilities or conflicts with pedestrian or vehicular traffic) prior to sampling. Sample locations that are in conflict with buried utilities or interfere with traffic access will be moved to a nearby accessible location.

4.2 Utility Clearance

Prior to sampling activities, each location will be surveyed for the potential presence of buried utilities utilizing standard geophysical techniques, and mark-outs will be made for Underground Service Alert notification. Sample locations that are not accessible will be moved to a nearby accessible location.

4.3 Permit Acquisition

Field investigation activities will begin upon acquisition of a permit from Alameda County Public Works Agency, Water Resources. The following permits will be obtained:

- A permit to bore exploratory holes, including direct-push sampling and soil vapor probe installation.
- A permit to construct monitoring wells.

4.4 Soil Boring Advancement

Ten boring locations (EC1 through EC6 and EC-MW1 through EC-MW4) will be drilled throughout the southern parcel (**Figure 4**). The boring locations were selected based on notable historical features where prior investigative efforts were not conducted. Additionally, the proposed development for the Site was evaluated to include assessment of locations where future soil disturbances would occur during construction activities (e.g., storm drain installation). The proposed sample locations are shown in relation to the proposed site layout on **Figure 5** and site development plans are included for reference in **Attachment B.** The borings will be drilled utilizing direct-push drilling methodology to a total depth of 10 ft bgs for soil borings and 20 ft bgs for groundwater monitoring wells.

During drilling, soil will be continuously cored and collected in acetate liners. The soil will be lithologically logged by or under the supervision of a California Professional Geologist in general accordance with the Unified Soil Classification System. Recorded information will include soil classification, particle size distribution, color, and moisture content. In addition, pertinent information concerning the occurrence of contamination including odor, visual impacts, and depth of the observations will be recorded. A photoionization detector (PID) will be utilized to measure whether any organic vapors are present in the soil cores.

4.4.1 Soil Sample Collection

Soil samples will be collected and analyzed in accordance with the schedule provided in **Table 6**. At all boring locations, the upper three feet will be sampled at one-foot intervals[5]. These samples will be collected in glass jars for analysis of metals by EPA Method 6010. Additionally, at location EC2, the upper three feet samples will be analyzed for PCBs and cresols by EPA Methods 8082A and 8270C, respectively, due to prior site usage noted in this area. At each location, samples will be collected at 5 and 10 ft bgs and analyzed for TPH via EPA Method 8015M and VOCs by EPA Method 8260. Samples for TPH will be submitted in acetate liner from the continuous core or a glass jar, and samples for VOCs will be collected via field preservation Method 5035.

4.4.2 Soil Vapor Probe Construction and Sampling

At each boring location, a soil vapor probe (SVP) will be constructed with the probe installed between 5 and 6 ft bgs. The SVPs will be constructed with a prefabricated 6-inch stainless steel screen (approximate 5/8-inch diameter) attached to ¼ inch diameter Nylaflow® or similar tubing. The stainless-steel screen will be placed in the center of an approximate one-foot thick sand pack interval. Hydrated granular bentonite will be placed above the sand pack with bentonite grout placed to ground surface. The end of each probe will be fitted with a gas-tight valve and marked to designate the SVP identification and depth. A traffic-rated well box will be installed at ground surface within concrete to protect the SVP sample port.

Sampling of the SVPs will be performed in general accordance with the Advisory on Active Soil Gas Investigations [Cal-EPA, 2015]. SVP sampling will occur after subsurface conditions equilibrate. Time to reach equilibrium conditions following installation is a minimum of two hours for SVPs installed using direct push drilling.

Purging will be performed in general accordance with the Cal-EPA Advisory on Active Soil Gas Investigations (2015). Prior to soil vapor sample collection, a shut-in test will be

[5] The sample collected at 3 ft bgs will be placed on hold for analysis pending results of the 1 ft and 2 ft bgs samples.

conducted to evaluate potential leaks in the sample train. The SVPs will be purged of three borehole volumes prior to sampling. Each purge volume will be monitored for (i) oxygen, carbon dioxide, and methane with a landfill gas meter and (ii) organic vapors with a PID. Helium will be used as a leak check tracer compound during purging and monitoring. Helium will be pumped into a shroud which will encompass the SVP surface connections and will be monitored during purge volume measurements prior to sample collection. If the purge sample indicates a helium concentration greater than 5% of the maximum helium concentration introduced into the shroud, then all connections of the sampling train will be checked for ambient air leaks, the surface seal of the SVP will be enhanced with a temporary bentonite seal, and the SVP will be re-purged. Soil vapor samples will be collected in batch-certified, 1-liter Summa canisters and transported via standard chain-of-custody protocol to a NELAP certified laboratory, for analysis of VOCs by EPA Method TO-15.

4.4.3 Monitoring Well Construction and Sampling

At boring locations EC-MW1 through EC-MW4, the primary boring will be converted into a groundwater monitoring well. A separate boring will be drilled for the SVP installation as described above. Depth to groundwater is estimated to be between 10 and 15 ft bgs and the groundwater flow direction is estimated to be southwesterly. A hollow-stem auger drill rig will be used to install four 2-inch diameter groundwater monitoring wells to the desired depth. The PVC screen sections will be installed between approximately 5 and 20 ft bgs with blank PVC sections installed to ground surface. Filter pack material will be placed to approximately two feet above the screen interval with a combination of bentonite and bentonite grout placed above the filter pack to ground surface. A traffic-rated well box will be set within concrete to protect the monitoring well and will be installed flush with the ground surface. Once the monitoring well is constructed at each location, it will be developed using a combination of bailing and pumping. Following installation, the top of each monitoring well casing will be surveyed by a licensed land-surveyor for elevation data in order to determine groundwater flow direction.

All groundwater wells will be purged and sampled utilizing the low-flow/parameter stabilization method with dedicated or new tubing at each well. Each well will be purged at approximately 200 milliliters per minute until the recorded water quality parameters stabilize within 10 percent of the previous readings, for three consecutive readings. Following parameter stabilization, representative groundwater samples will be collected in appropriate sample containers. If low-flow sampling is not feasible due to low re-infiltration rates, then a grab sample will be collected via disposable bailer. The groundwater samples will be analyzed for TPH by EPA Method 8015B, VOCs by EPA Method 8260B, and Title 22 metals (total and dissolved) by EPA Method 6020/7470A.

4.5 Quality Assurance/Quality Control

Data quality is measured by the ability of the collected data to meet specific quantitative and qualitative objectives. Data quality indicators that are quantitative include precision, accuracy, and completeness. Qualitative data quality indicators include representativeness and comparability. The quality assurance/quality control (QA/QC) procedures for this project require that the data meet minimum requirements for precision, accuracy, completeness, representativeness, and comparability.

The following QA/QC procedures will be followed during sampling and analysis:

- Duplicate groundwater, soil, and soil vapor samples will be collected and analyzed at an approximate rate of 10% of the primary samples. At a minimum, one duplicate sample will be collected during each day samples are collected.
- Equipment blanks and trip blanks will be collected and analyzed for VOCs on each day of soil and groundwater sampling.
- Samples will be transferred under chain-of-custody control and will be subject to the laboratory's conventional QA/QC analytical procedures, including method blank, laboratory control sample, and sample duplicate analyses.

4.6 Decontamination Procedures

Where possible, dedicated, single-use sampling equipment will be used to prevent cross-contamination between sampling locations. Any equipment that will be reused will be decontaminated with a Liquinox solution and rinsed with deionized water between each use. Items to be decontaminated include drilling rods and water level indicating probe.

4.7 Investigation Derived Waste Handling

The Investigative Derived Waste handling procedures are listed below:

- Disposable equipment shall be placed in a municipal refuse dumpster. These wastes are not considered hazardous and shall be sent to a municipal landfill. Any PPE and disposable equipment that could potentially be reused shall be rendered inoperable before disposal in the refuse dumpster.
- Soil cuttings and decontamination water will be placed into Department of Transportation (DOT)-approved steel 55-gallon drums and stored on-site pending waste characterization and off-Site disposal. A sample of soil and water waste will be collected and analyzed for the following parameters: total petroleum hydrocarbons carbon chain (TPHcc) by EPA Method 8015M, California Title 22 Metals by EPA Methods 6010B/7000CAM, and VOCs by EPA Method 8260B.

5. REPORTING AND SCHEDULE

5.1 Reporting

A report will be prepared to document the investigation activities and results. Field and laboratory data will be reviewed, tabulated, and analyzed. Data will be compared to Regional Board ESLs and State of California MCLs for drinking water. As appropriate, the report will include analytical data summary tables, laboratory reports, boring logs, and well construction diagrams as well as the appropriate figures to convey the necessary information. In addition, the final report will include the data obtained from implementation of APEX Companies' *Data Gaps Investigation Work Plan*, dated April 10, 2020, for the "0" 29th Avenue parcel. The work associated with the "0" parcel is scheduled to occur concurrently. The final report will be submitted to ACDEH for review and approval.

The data gap report of findings will include conclusions and recommendations with respect to follow-on assessment or corrective/mitigation activity.

The data gap report of findings will also describe plans and processes for environmental monitoring during phases of planned 2021 site construction/improvement. A Construction Environmental Management Plan (CEMP) will be required to inform procedures, oversight, and response activity associated with construction. The data gap report of findings will make a foundation for the publication of the CEMP, which will be prepared after consultation with ACDEH on the data gaps report of findings.

5.2 Schedule

Upon ACDEH approval of this workplan, it is estimated that the pre-field preparation, soil sampling, SVP installation and sampling, and groundwater well installation and sampling can be completed in approximately five days. Report preparation will require approximately one month once the laboratory analyses are completed.

The projected duration for each task is presented below. ACDEH will be notified if significant delays are encountered during the investigation.

Task/Event	Estimated Duration
Pre-Field Activities	One week from ACDEH workplan approval
Field Activities	One week
Laboratory Analysis	One week
Report Preparation	Three weeks from receipt of analytical results

6. REFERENCES

Alameda County Department of Environmental Health (ACDEH) - Health Care Service Agency, 2011, Remedial Action Completion Certificate, Fuel Leak Case, RO00000397 and Geotracker Global ID T0600101631, Caltrans South Oakland Maintenance Station, 1112 29th Avenue, CA 94601, 25 July 2011

ACDEH - Health Care Service Agency, 2019, Technical Report Request for Fuel Leak Case No. RO0003375 and Geotracker Global ID T00000013148, Former Gas Station, 2901 E. 12th Street, Oakland, CA 94601, 21 August 2019

AE Schmidt Environmental (AE Schmidt), 1997, UST Closure Report, State of California Department of Transportation, Oakland Maintenance Yard, 1112 29th Avenue, Oakland, California, 21 April 1997

APEX, 2020, Data Gap Investigation Work Plan, "0" 29th Avenue, Oakland, California, Site Cleanup Program Case RO0003204 GeoTracker Global ID T10000010328, 10 April 2020

CalEPA, 2015. Advisory Active Soil Gas Investigations, July 2015

DTSC, 2011, Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air (Vapor Intrusion Guidance), October 2011

ERAS Environmental, Inc. (ERAS), 2017, Limited Phase II Subsurface Investigation at 0 29th Avenue, Oakland, California, 20 July 2017

Environmental Risk Information Services (ERIS), Database Report, 16 October 2020

ERIS, Historical Aerial Report, 14 October 2020

ERIS, Historical City Directory Report, 15 October 2020

ERIS, Physical Setting Report, 13 October 2020

ERIS, Fire Insurance Map Research Results, 14 October 2020

ERIS, Topographic Map Research Results, 14 October 2020

Geocon Consultants, Inc. (Geocon), 2000a, Hazardous Waste Preliminary Site Investigation Report, Task Order Number 04-987901-WF Contract Number 43A0012, South Oakland Maintenance Station, 1112 29th Avenue, Oakland, California, 18 August 2000

Geocon, 2000b, Groundwater Monitoring Report for the Third Quarter of 2000 at the South Oakland Maintenance Station located at 1112 29th Avenue in Oakland, Alameda County, California, 21 November 2000

Geocon, 2001a, Groundwater Monitoring Report for the Fourth Quarter of 2000 at the South Oakland Maintenance Station located at 1112 29th Avenue in Oakland, Alameda County, California, 17 January 2001

Geocon, 2001b, Groundwater Monitoring Report for the First Quarter of 2001 at the South Oakland Maintenance Station located at 1112 29th Avenue in Oakland, Alameda County, California, 1 August 2001

Geocon, 2001c, Groundwater Monitoring Report for the Second Quarter of 2001 at the South Oakland Maintenance Station located at 1112 29th Avenue in Oakland, Alameda County, California, 7 November 2001

Geocon, 2001d, Off-site Investigation and Groundwater Monitoring at the South Oakland Maintenance Station located at 1112 29th Avenue in Oakland, Alameda County, California, 27 November 2001

Geocon, 2005, Annual Groundwater Monitoring Report, South Oakland Maintenance Station, 1112 29th Avenue, Oakland, California, 20 June 2005

Geocon, 2006, Low Risk Case Closure Summary Report, South Oakland Maintenance Station, 1112 29th Avenue, Oakland, California, 14 June 2006

Geocon, 2019a, Routine Performance Monitoring Report, Local Oversight Program (LOP) Case No. RO0003376, Geotracker Global ID T10000013161, Caltrans District 4's Former South Oakland Maintenance Station, 1112 29th Avenue, Oakland, California 94601, 30 August 2019

Geocon, 2019b, Routine Performance Monitoring Report, Local Oversight Program (LOP) Case No. RO0003376, Geotracker Global ID T10000013161, Caltrans District 4's Former South Oakland Maintenance Station, 1112 29th Avenue, Oakland, California 94601, 5 September 2019

Geocon, 2019c, Historical Building and Utility Survey/ Sub-Slab, Indoor, and Outdoor Air Sampling Report, Local Oversight Program (LOP) Case No. RO0003376, Geotracker Global ID T10000013161, Caltrans District 4's Former South Oakland Maintenance Station, 1112 29th Avenue, Oakland, California 94601, 12 September 2019

Geocon, 2019d, Routine Performance Monitoring Report, Site Cleanup Program Case No. RO0003376, Geotracker Global ID T10000013161, Former Caltrans Maintenance Station, 1112 29th Avenue, Oakland, California 94601, 12 September 2019

Geosyntec, 2019b, Pre-Mitigation Human Health Risk Assessment Site Cleanup Program Case No. RO0003376, Geotracker Global ID T10000013161, Former Caltrans Maintenance Station, 1112 29th Avenue, Oakland, California, 21 October 2019

Professional Services Industries, Inc. (PSI), 1999a, Hazardous Waste Preliminary Site Investigation Report, Task Order Number 04-911175-DH, Contract Number 43A0012, South Oakland Maintenance Station, 1112 29th Avenue, Oakland, California, 25 May 1999

PSI, 1999b, Hazardous Waste Preliminary Site Investigation Report, Task Order Number 04-911175-DH, Contract Number 43A0012, South Oakland Maintenance Station, 1112 29th Avenue, Oakland, California, 1 December 1999

PSI, 2000, Hazardous Waste Preliminary Site Investigation Report, Task Order Number 04-911175-DH, Contract Number 43A0012, South Oakland Maintenance Station, 1112 29th Avenue, Oakland, California, 18 August 2000

PSI, 2001, Hazardous Waste Preliminary Site Investigation Report, Task Order Number 04-987901-VC, Contract Number 43A0078, South Oakland Maintenance Station, 1112 29th Avenue, Oakland, California, 27 September 2001

PSI, 2002a, First Quarter Groundwater Monitoring Report, Task Order Number 04-987901-VU, Contract Number 43A0078, South Oakland Maintenance Station, 1112 29th Avenue in Oakland, Alameda County, California, 2 April 2002

PSI, 2002b, Second Quarter 2002 Groundwater Monitoring Report, Task Order Number 04-987901-VU, Contract Number 43A0078, South Oakland Maintenance Station, 1112 29th Avenue in Oakland, Alameda County, California, 29 July 2002

PSI, 2002c, Third Quarter 2002 Groundwater Monitoring Report, Task Order Number 04-987901-VU, Contract Number 43A0078, South Oakland Maintenance Station, 1112 29th Avenue in Oakland, Alameda County, California, 25 October 2002

PSI, 2004, Second Quarter 2004 Groundwater Monitoring Report, Task Order Number 04-987901-VU, Contract Number 43A0078, South Oakland Maintenance Station, 1112 29th Avenue in Oakland, Alameda County, California, 26 May 2004

Phase One, Inc. (POI), 2002, Phase II Environmental Site Assessment for Harvey Rydman and Commonwealth Companies, 2901 East 12th Street, Oakland California, 23 August 2002

Stantec Consulting Corporation (Stantec), 2011, Well Destruction Activities, Caltrans South Oakland Maintenance Station, 1112 29th Avenue, Oakland, California, 20 June 2011

San Francisco Bay Regional Water Quality Control Board (SFBRWQCB), 2019, User's Guide: Derivation and Application of Environmental Screening Levels (ESLs). Interim Final 2019 (Revision 1)

United States Environment Protection Agency (USEPA), 2008, USEPA Contract Laboratory Program, National Functional Guidelines for Superfund Organic Methods Data Review. June 2008

USEPA, 2020. Regional Screening Levels, November

Geosyntec consultants

TABLES

Table 1
Historical On-Site Soil Sampling Data
Latitude High School
1045 Derby Avenue
Oakland, California

Sample Location	Sample Date	Analytes	Sample Type	Screening Level	TPHg (mg/kg)	TPHd (mg/kg)	Lead (mg/kg)	Benzene (µg/kg)	Toluene (µg/kg)	Ethylbenzene (µg/kg)	Xylenes (µg/kg)	MTBE (µg/kg)	PCE (µg/kg)
				2019 January SF RWQCB ESL	**430**	**260**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
				DTSC HHRA Note 3 Residential Cancer	**-**	**-**	**82**	**330**	**-**	**-**	**-**	**-**	**590**
				DTSC HHRA Note 3 Residential Non-Cancer	**-**	**-**	**80**	**-**	**1,100,000**	**-**	**-**	**-**	**-**
				May 2019 Regional Screening Levels Residential	**-**	**-**	**-**	**-**	**-**	**5,800**	**580,000**	**47,000**	**-**
				Sample Depth (ft bgs)									
S-FE	5/14/93	TPHg, TPHd, BTEX	UST Pit	6.5	<1	<2	--	<2.5	<2.5	<2.5	<2.5	--	--
S-PE	5/14/93	TPHg, TPHd, BTEX	UST Pit	6.5	1.4	5.6	--	<2.5	<2.5	<2.5	6.5	--	--
S-P	5/14/93	TPHg, TPHd, BTEX	UST Pit	2.6	<1	2.2	--	<2.5	<2.5	<2.5	<2.5	--	--
S-SP	5/14/93	TPHg, TPHd, BTEX	Stockpile	1	<1	<1	--	<2.5	<2.5	<2.5	<2.5	--	--
CAL-OAK-STP1	3/11/97	MTBE, BTEX, TPHg, TPHd, Pb	Stockpile	na	*2.30*	*18*	*8.7*	<5	<5	*7.20*	*145*	*293*	--
CAL-OAK-STP2	3/11/97	MTBE, BTEX, TPHg, TPHd, Pb	Stockpile		*2.40*	*33*	<5.0	<5	*15*	*5.40*	*76*	*125*	--
CAL-OAK-STP3	3/11/97	MTBE, BTEX, TPHg, TPHd, Pb	Stockpile		*4.40*	*20*	<5.0	<5	<5	*11*	*280*	<5	--
CAL-OAK-STP4	3/11/97	MTBE, BTEX, TPHg, TPHd, Pb	Stockpile		*1.20*	*18*	<5.0	<5	<5	<5	*43*	*52*	--
CAL-OAK-UNL-N	3/11/97	MTBE, BTEX, TPHg, TPHd, Pb	UST Pit	10	380	--	<5.0	1,650	11,880	**8,040**	48,860	9,150	--
CAL-OAK-UNL-S	3/11/97	MTBE, BTEX, TPHg, TPHd, Pb	UST Pit	10	<1.0	--	<5.0	75	<5	10	<5	380	--
CAL-OAK-DIS-N	3/11/97	MTBE, TPHd, BTEX	UST Pit	10	--	4.9	<5.0	<5	<5	<5	<5	112	--
CAL-OAK-DIS-S	3/11/97	MTBE, TPHd, BTEX	UST Pit	10	--	21	<5.0	<5	<5	<5	<5	41	--
B1	4/6/99	TPHg, TPHd, VOCs	Soil Boring	5	<1.0	<10	--	<1	<1	<1	<3	<5	ND
	4/6/99	TPHg, TPHd, VOCs	Soil Boring	10	<1.0	<10	--	<1	<1	<1	<3	<5	ND
B2	4/6/99	TPHg, TPHd, VOCs	Soil Boring	5	<1.0	<10	--	<1	<1	<1	<3	<5	ND
	4/6/99	TPHg, TPHd, VOCs	Soil Boring	10	<1.0	<10	--	<1	<1	<1	<3	<5	ND
B3	4/6/99	TPHg, TPHd, VOCs	Soil Boring	5	<1.0	<10	--	<1	<1	<1	<3	<5	ND
	4/6/99	TPHg, TPHd, VOCs	Soil Boring	10	<1.0	<10	--	<1	<1	<1	<3	<5	ND
B4	4/7/99	TPHg, TPHd, VOCs	Soil Boring	5	<1.0	<10	--	<1	<1	<1	<3	<5	ND
	4/7/99	TPHg, TPHd, VOCs	Soil Boring	10	<1.0	<10	--	<1	<1	<1	<3	<5	ND
B5	4/7/99	TPHg, TPHd, VOCs	Soil Boring	5	<1.0	<10	--	<1	<1	<1	<3	160	ND
	4/7199	TPHg, TPHd, VOCs	Soil Boring	10	<1.0	<10	--	<1	<1	<1	<3	<5	ND
B6	4/7199	TPHg, TPHd, VOCs	Soil Boring	5	<1.0	<10	--	<1	<1	<1	<3	<5	ND
	417/99	TPHg, TPHd, VOCs	Soil Boring	10	13	<10	--	<1	<1	<1	<3	<5	ND
B7	8/13/99	TPHg, TPHd, VOCs	Soil Boring	5	<0.50	<10	--	<1	<1	<1	<3	<5	<1
	8/13/99	TPHg, TPHd, VOCs	Soil Boring	10	<0.50	<10	--	<1	<1	<1	<3	<5	<1
	8/13/99	TPHg, TPHd, VOCs	Soil Boring	15	<0.50	<10	--	<1	<1	<1	<3	<5	<1
	8/13/99	TPHg, TPHd, VOCs	Soil Boring	20	<0.50	<10	--	<1	<1	<1	<3	<5	<1
	8/13/99	TPHg, TPHd, VOCs	Soil Boring	25	<0.50	<10	--	<1	<1	<1	<3	93	<1
B8	8/13/99	TPHg, TPHd, VOCs	Soil Boring	5	<0.50	<10	--	<1	<1	<1	<3	<5	<1
	8/13/99	TPHg, TPHd, VOCs	Soil Boring	10	<0.50	<10	--	<1	<1	<1	<3	11	1
	8/13/99	TPHg, TPHd, VOCs	Soil Boring	15	<0.50	<10	--	<1	<1	<1	<3	<5	<1
	8113/99	TPHg, TPHd, VOCs	Soil Boring	20	<0.50	<10	--	<1	<1	<1	<3	<5	<1
B9	8113199	TPHg, TPHd, VOCs	Soil Boring	5	<0.50	<10	--	<1	<1	<1	<3	<5	1
	8/13/99	TPHg, TPHd, VOCs	Soil Boring	10	<0.50	<10	--	<1	<1	<1	<3	<5	<1
	8/13/99	TPHg, TPHd, VOCs	Soil Boring	15	0.54	<10	--	<1	<1	<1	<3	<5	<1
MW1	6/8/00	TPHg, VOCs & Oxygenates	Groundwater Well - Soil	5	<0.5	--	--	<1	<1	<1	<3	<5	<1
	6/8/00	TPHg, VOCs & Oxygenates	Groundwater Well - Soil	10	<0.5	--	--	<1	<1	<1	<3	76	<1
	6/8/00	TPHg, VOCs & Oxygenates	Groundwater Well - Soil	15	<0.5	--	--	<1	<1	<1	<3	55	<1
	6/8/00	TPHg, VOCs & Oxygenates	Groundwater Well - Soil	20	<0.5	--	--	<1	<1	<1	<3	62	<1
	6/8/00	TPHg, VOCs & Oxygenates	Groundwater Well - Soil	25	<0.5	--	--	<1	<1	<1	<3	<5	<1
MW2	6/8/00	TPHg, VOCs & Oxygenates	Groundwater Well - Soil	5	<0.5	--	--	<1	<1	<1	<3	<5	<1
	6/8/00	TPHg, VOCs & Oxygenates	Groundwater Well - Soil	10	<0.5	--	--	<1	<1	<1	<3	<5	<1
	6/8/00	TPHg, VOCs & Oxygenates	Groundwater Well - Soil	15	<0.5	--	--	<1	<1	<1	<3	100	<1
MW3	6/8100	TPHg, TPHd, VOCs & Oxygenates	Groundwater Well - Soil	5	<0.5	23	--	<1	<1	<1	<3	<5	<1
	6/8/00	TPHg, TPHd, VOCs & Oxygenates	Groundwater Well - Soil	10	<0.5	10	--	<1	<1	<1	<3	520	<1
	6/8/00	TPHg, TPHd, VOCs & Oxygenates	Groundwater Well - Soil	15	<0.5	<10	--	<1	<1	<1	<3	150	<1
	6/8/00	TPHg, TPHd, VOCs & Oxygenates	Groundwater Well - Soil	20	<0.5	<10	--	<1	<1	<1	<3	200	<1
MW4	6/8/00	TPHg, VOCs & Oxygenates	Groundwater Well - Soil	5	<0.5	--	--	<1	<1	<1	<3	<5	<1
	6/8/00	TPHg, VOCs & Oxygenates	Groundwater Well - Soil	10	<0.5	--	--	<1	<1	<1	<3	<5	<1
	6/8/00	TPHg, VOCs & Oxygenates	Groundwater Well - Soil	15	<0.5	--	--	<1	<1	<1	<3	<5	<1
	6/8/00	TPHg, VOCs & Oxygenates	Groundwater Well - Soil	20	<0.5	--	--	<1	<1	<1	<3	<5	<1
	6/8/00	TPHg, VOCs & Oxygenates	Groundwater Well - Soil	25	<0.5	--	--	<1	<1	<1	<3	<5	<1

Table 1
Historical On-Site Soil Sampling Data
Latitude High School
1045 Derby Avenue
Oakland, California

Sample Location	Sample Date	Analytes	Sample Type	Screening Level	TPHg (mg/kg)	TPHd (mg/kg)	Lead (mg/kg)	Benzene (µg/kg)	Toluene (µg/kg)	Ethylbenzene (µg/kg)	Xylenes (µg/kg)	MTBE (µg/kg)	PCE (µg/kg)
				2019 January SF RWQCB ESL	**430**	**260**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
				DTSC HHRA Note 3 Residential Cancer	**-**	**-**	**82**	**330**	**-**	**-**	**-**	**-**	**590**
				DTSC HHRA Note 3 Residential Non-Cancer	**-**	**-**	**80**	**-**	**1,100,000**	**-**	**-**	**-**	**-**
				May 2019 Regional Screening Levels Residential	**-**	**-**	**-**	**-**	**-**	**5,800**	**580,000**	**47,000**	**-**
				Sample Depth (ft bgs)									
B-10 (WB-10)	8/24/01	TPHg, VOCs & Oxygenates	Soil Boring	5	<1.0	--	--	<5.0	<5.0	<5.0	<10.0	<10	<5
	8/24/01	TPHg, VOCs & Oxygenates	Soil Boring	10	<1.0	--	--	<5.0	<5.0	<5.0	<10.0	<10	<5
	8/24/01	TPHg, VOCs & Oxygenates	Soil Boring	25	<1.0	--	--	<5.0	<5.0	<5.0	<10.0	<10	<5
	8/24/01	TPHg, VOCs & Oxygenates	Soil Boring	20	<1.0	--	--	<5.0	<5.0	<5.0	<10.0	<10	<5
	8/24/01	TPHg, VOCs & Oxygenates	Soil Boring	25	<1.0	--	--	<5.0	<5.0	<5.0	<10.0	<10	<5
B-11 (WB-11)	8/24/01	TPHg, VOCs & Oxygenates	Soil Boring	5	<1.0	--	--	<5.0	<5.0	<5.0	<10.0	<10	<5
	8/24/01	TPHg, VOCs & Oxygenates	Soil Boring	10	<1.0	--	--	<5.0	<5.0	<5.0	<10.0	<10	<5
	8/24/01	TPHg, VOCs & Oxygenates	Soil Boring	15	<1.0	--	--	<5.0	<5.0	<5.0	<10.0	<10	<5
B-12 (WB-12)	8/24/01	TPHg, VOCs & Oxygenates	Soil Boring	5	<1.0	--	--	<5.0	<5.0	<5.0	<10.0	<10	<5
	8/24/01	TPHg, VOCs & Oxygenates	Soil Boring	10	<1.0	--	--	<5.0	<5.0	<5.0	<10.0	<10	<5
	8/24/01	TPHg, VOCs & Oxygenates	Soil Boring	15	<1.0	--	--	<5.0	<5.0	<5.0	<10.0	<10	<5

Notes:

<100	Compound not detected above reporting limt
100	Regular type indicates compound detected above reporting limit
100	Shaded and italic indicates compound not detected above reporting limit, but reporting limit exceeds screening level
100	Bold type & shaded indicates compound detected above screening level

Bold type indicates compound detected above reporting limit
Italic type indicates soil sample location was excavated and removed off-Site
- = no screening level available
-- = not analyzed
na = not applicable
mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram
ft bgs = feet below ground surface
VOC = volatile organic compounds
TPHg = total petroleum hydrocarbon quantified as gasoline
TPHd = total petroleum hydrocarbon quantified as diesel
MTBE = methyl tertiary butyl ether
PCE = tetrachloroethene
UST = Underground Storage Tank
SF RWQCB ESL = San Francisco Bay Regional Water Quality Control Board Environmental Screening Level for a Residential Land Use
DTSC HHRA = Department of Toxic Substances Control Human Health Risk Assessment Note 3 Screening Level for a Residential Land Use

Table 2
Historical On-Site Groundwater Sampling Data
Latitude High School
1045 Derby Avenue
Oakland, California

Well #	Date	*TOC Elevation (feet)	Screening Level	Groundwater Elevation (feet)	Analytes	Lab Report Available	Screen Interval (ft bgs)	TPHg (mg/L)	TPHd (mg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	Chloromethane (µg/L)	Isopropylbenzene (µg/L)	n-Propylbenzene (µg/L)	Naphthalene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)	Chloroform (µg/L)	PCE (µg/L)	n-butylbenzne (µg/L)	1,1-dichloropropene (µg/L)	Vinyl acetate (µg/L)	Tert-butylbenzene (µg/L)	Remaining VOCs (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	DIPE (µg/L)	Remaining FOCs (µg/L)
			Federal MCL					-	-	5	1,000	700	10,000	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-	-
			California MCL					-	-	1	150	300	1,750	13	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-	-
			California Notification Level																				1,000									
			Depth to Water (ft bgs)																													
MW-1	6/27/2000	99.57	9.13	90.44	TPHg, VOCs	Y	5-25	0.86	--	**20**	< 1.0	< 1.0	19	**880**	<5.0	2.8	<5.0	9.4	24	5.6	<5.0	<2.5	<2.5	<2.5	--	<2.5	ND	<5.0	<5.0	< 60	<5.0	ND
	9/11/2000		9.52	90.05	TPHg, VOCs	Y		0.92	--	**14**	1.00	1.6	3.6	**860**	<0.5	3.0	2.3	2.5	8.7	4.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	ND	<5.0	<5.0	190.00	<5.0	ND
	11/28/2000		9.62	89.95	TPHg, VOCs	Y		<0.5	--	3.6	<2.5	<2.5	<7.5	**610**	<0.5	<0.5	<0.5	<0.5	5.4	< 2.5	<0.5	<2.5	<2.5	<2.5	--	<2.5	ND	<5.0	<25	<250	<25	ND
	3/27/2001		8.79	90.78	TPHg, VOCs, FOCs	Y		<0.2	--	<0.50	<0.50	<0.50	< 1.0	**29**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	--	<5.0	ND	<5.0	< 5.0	<200	<5.0	ND
	6/26/2001		9.80	89.77	TPHg, BTEX, VOCs,	Y		0.24	--	<0.5	<0.5	<0.5	< 1.0	**200**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	--	<5.0	ND	<5.0	<5.0	<200	<5.0	ND
	8/24/2001		10.34	NR	TPHg, VOCs	Y		<0.05	--	<25	<25	<25	<75	**520**	<25	<25	<25	<25	<25	<25	<25	<2.0	<1.0	<1.0	--	<1.0	ND	<50	<50	<1,200	<50	ND
	12/5/2001		8.32	91.25	(TPHg, VOCs*)	N		0.39	--	**3.5**	<0.3	2.40	15.40	**505**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	<100	--	ND
	3/4/2002		8.66	90.91	TPHg, VOCs	Y		0.69	--	<0.5	<0.5	<0.5	<1.0	**55.4**	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	<0.5	<0.5	<50	<0.5	ND
	6/14/2002		9.53	90.04	TPHg, VOCs	Y		<0.5	--	<0.5	<0.5	<0.5	<1.0	5.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	<0.5	<0.5	<05	<0.5	ND
	9/24/2002		10.06	89.51	TPHg, VOCs	Y		0.166	--	<0.5	<0.5	0.5	1.6	**60.0**	<0.5	0.5	0.7	0.6	4.8	1.4	<0.6	<0.5	2.3	<0.5	<0.5	<0.5	ND	<0.5	<0.5	<50	<0.5	ND
	5/5/2004		9.06	90.51	TPHg, VOCs	Y		<0.05	--	0.5	<0.5	0.6	1.70	**201.0**	<0.5	0.6	0.8	<0.5	4.7	1.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	<0.5	<0.5	<50	<0.5	ND
	5/12/2005		8.53	91.04	TPHg, BTEX, FOCs	Y		0.19	--	<1.0	<1.0	1.20	<1.0	**140**	--	--	--	--	--	--	--	--	--	--	--	--	--	<1.0	<1.0	50	<1.0	ND
MW-2	6/27/2000	98.91	9.05	89.86	TPHg, VOCs	Y	5-20	<0.50	--	< 1.0	<1.0	< 1.0	<3.0	86	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	ND	<5.0	<5.0	<50	<5.0	ND
	9/11/2000		9.95	88.96	TPHg, VOCs	Y		<0.50	--	< 1.0	< 1.0	< 1.0	<1.5	110	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	ND	<5.0	<5.0	<50	<5.0	ND
	11/28/2000		9.94	88.97	TPHg, VOCs	Y		<0.5	--	< 1.0	< 1.0	< 1.0	<3.0	130	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	ND	<5.0	<5.0	<50	<5.0	ND
	3/27/2001		8.35	90.56	TPHg, VOCs, FOCs	Y		<0.2	--	<0.5	<0.5	<0.5	< 1.0	110	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	--	<5.0	ND	<5.0	<5.0	<200	<5.0	ND
	6/26/2001		10.76	88.15	TPHg, TPHd, BTEX,	Y		0.11	--	<0.5	<0.5	<0.5	<1.0	51	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	--	<5.0	ND	<5.0	<5.0	<200	<5.0	ND
	8/24/2001		10.19	NR	TPHg, VOCs	Y		<0.05	--	<2.0	<2.0	<2.0	<6.0	36	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<1.0	--	<1.0	ND	<4.0	<4.0	<100	<4.0	ND
	12/5/2001		8.53	90.38	(TPHg, VOCs*)	N		0.06	--	<0.3	<0.3	<0.3	<0.6	79.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	<100	--	ND
	3/4/2002		8.25	90.66	TPHg, VOCs	Y		<0.5	--	<0.5	<0.5	<0.5	<1.0	9.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	<0.5	<0.5	<50	<0.5	ND
	6/14/2002		9.50	89.41	TPHg, VOCs	Y		<0.5	--	<0.5	<0.5	<0.5	<1.0	25.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	<0.5	<0.5	<0.5	<0.5	ND
	9/24/2002		10.31	88.60	TPHg, VOCs	Y		<0.05	--	<0.5	<0.5	<0.5	<1.0	34.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	<0.5	<0.5	<50	<0.5	ND
	5/5/2004		8.46	90.45	TPHg, VOCs	Y		<0.05	--	<0.5	<0.5	<0.5	<1.0	13.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	ND	<0.5	<0.5	<50	<0.5	ND
	5/12/2005		8.21	90.70	TPHg, BTEX, FOCs	Y		<0.05	--	<1.0	<1.0	<1.0	<1.0	11	--	--	--	--	--	--	--	--	--	--	--	--	--	<1.0	<1.0	<10	<1.0	ND
MW-3	6/27/2000	98.98	8.76	90.22	TPHg, TPHd, VOCs	Y	5-20	2.7	<0.4	**73**	1.7	1.2	4.6	**5,000**	<0.5	<0.5	1.0	1.0	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	ND	<5.0	11	1,500	<5.0	ND
	9/11/2000		9.28	89.70	TPHg, VOCs	Y		1.9	--	**19**	<1.0	< 1.0	<1.5	**2,700**	<0.5	<0.5	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	ND	<5.0	10	310	ND	ND
	11/28/2000		9.36	89.62	TPHg, VOCs	Y		1.7	--	**27**	92	< 10	<30	**2,500**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<10	--	<10	ND	--	< 100	< 1,000	--	ND
	3/27/2001		8.35	90.63	TPHg, VOCs, FOCs	Y		5.2	--	**220**	12	7.3	< 1.0	**5,500**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	--	<5.0	ND	<5.0	12	270	<5.0	ND
	6/26/2001		10.51	88.47	TPHg, BTEX, VOCs,	Y		2.5	--	**20**	<0.5	<0.5	< 1.0	**2,800**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	--	<5.0	ND	<5.0	12	230	<5.0	ND
	8/24/2001		10.15	NR	TPHg, VOCs	Y		0.06	--	<100	<100	<100	<300	**2,800**	<25	<25	<25	<25	<25	<25	<25	<1.0	<1.0	<1.0	--	<1.0	ND	<200	<200	<5,000	<200	ND
	12/5/2001		8.05	90.93	(TPHg, VOCs*)	N		1.86	--	**18.3**	0.30	1.2	1.00	**2,240**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<200	<5,000	--	ND
	3/4/2002		8.05	90.93	TPHg, VOCs	Y		3.23	--	**94.2**	0.8	2.4	6.9	**7,520**	<0.5	0.9	1.4	1.3	1.6	<0.5	<0.5	<0.5	<0.5	2.70	1.8	<0.5	*	<0.5	10.6	<50	<0.5	ND
	6/14/2002		9.35	89.63	TPHg, VOCs	Y		2.32	--	3.6	<0.5	<0.5	<1.0	**5,290**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	<0.5	8.9	<0.5	<0.5	ND
	9/24/2002		10.28	88.70	TPHg, VOCs	Y		2.06	--	**24.0**	0.5	1.2	3.4	**2,020**	<0.5	<0.5	0.7	<0.5	0.90	<0.5	5.3	<0.5	<0.5	<0.5	<0.5	0.50	ND	<0.5	7.6	<50	<0.5	ND
	5/5/2004		8.88	90.10	TPHg, VOCs	Y		0.27	--	**32.2**	<0.5	0.8	4.8	**4,420**	<0.5	0.9	1.3	2.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	<0.5	<0.5	<50	<0.5	ND
	5/12/2005		9.15	89.83	TPHg, BTEX, FOCs	Y		1.30	--	**40.0**	<5.0	<5.0	<5.0	**3,200**	--	--	--	--	--	--	--	--	--	--	--	--	--	<5.0	<5.0	890	<5.0	ND
MW-4	6/27/2000	99.04	8.74	90.30	TPHg, VOCs	Y	5-26	<0.50	--	< 1.0	< 1.0	1.00	<3.0	**18**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	5.6	<0.5	<0.5	<0.5	--	<0.5	ND	<5.0	<5.0	<50	<5.0	ND
	9/11/2000		9.30	89.74	TPHg, VOCs	Y		< 0.50	--	< 1.0	< 1.0	< 1.0	<1.5	< 1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	6.1	<0.5	<0.5	<0.5	--	<0.5	ND	<5.0	<5.0	50.00	<5.0	ND
	11/28/2000		9.32	89.72	TPHg, VOCs	Y		<0.5	--	< 0.5	<0.5	<0.5	1.50	< 1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	7.7	<0.5	<0.5	<0.5	--	<0.5	ND	--	<5	<50	--	ND
	3/27/2001		7.96	91.08	TPHg, VOCs, FOCs	Y		<0.2	--	<0.50	<0.50	<0.50	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	5.1	<5.0	<5.0	<5.0	--	<5.0	ND	<5.0	<5.0	<200	<5.0	ND
	6/26/2001		9.56	89.48	TPHg, TPHd, BTEX,	Y		<0.50	--	<0.5	<0.5	<0.5	<1.0	< 5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	--	<5.0	ND	< 5.0	<5.0	<200	5.00	ND
	8/24/2001		10.14	NR	TPHg, VOCs	Y		<0.05	--	<1.0	<1.0	<1.0	<3.0	<2.0	<25	<25	<25	<25	<25	<25	5.3	<1.0	<1.0	<1.0	--	<1.0	ND	<2.0	<2.0	<100	<50	ND
	12/5/2001		8.58	90.46	(TPHg, VOCs*)	N		<0.05	--	<0.3	<0.3	<0.3	<0.6	<0.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	<100	--	ND
	3/4/2002		8.00	91.04	TPHg, VOCs	Y		<0.5	--	0.5	<0.5	<0.5	<1.0	4.7	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	4.6	<0.5	<0.5	<1.0	<0.5	<0.5	ND	<0.5	<0.5	<0.5	<0.5	ND
	6/14/2002		8.79	90.25	TPHg, VOCs	Y		<0.5	--	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	<0.5	<0.5	<0.5	<0.5	ND
	9/24/2002		9.75	89.29	TPHg, VOCs	Y		<0.05	--	<0.5	<0.5	<0.5	<1.0	1.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	5.3	<0.5	<0.5	<0.5	<0.5	<0.5	ND	<0.5	<0.5	<50	<0.5	ND
	5/5/2004		8.55	90.49	TPHg, VOCs	Y		<0.05	--	<0.5	<0.5	<0.5	<1.0	2.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	3.0	<0.5	<0.5	<0.5	<0.5		ND	<0.5	<0.5	<50	<0.5	ND
	5/12/2005		7.65	91.39	TPHg, BTEX, FOCs	Y		<0.05	--	<1.0	<1.0	<1.0	<1.0	<0.50	--	--	--	--	--	--	--	--	--	--			--	<1.0	<1.0	<10	<1.0	ND
Grab Samples from Soil Boreholes																																
WB-1	4/6/1999		32.00		TPHg, TPHd, VOCs	Y		<0.5	<10	<0.5	<0.5	<0.5	2.00	<1.0	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.002	<0.5	<0.5	<0.5	--	--	ND	--	--	--	--	--
WB-2	4/6/1999		19.00		TPHg, TPHd, VOCs	Y		<0.5	<10	<0.5	<0.5	<0.5	<1.5	<1.0	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.002	<0.5	<0.5	<0.5	--	--	ND	--	--	--	--	--
WB-3	4/6/1999		10.00		TPHg, TPHd, VOCs	Y		0.52	<10	**6.30**	2.20	**11.00**	40.00	<1.0	<0.5	1.80	5.40	3.50	31.00	12.00	<0.5	<0.5	<0.5	<0.5	--	--	ND	--	--	--	--	--
WB-4	4/7/1999		9.50		TPHg, TPHd, VOCs	Y		0.52	<10	<0.5	<0.5	3.70	7.70	<1.0	<0.5	1.30	3.00	2.60	19.00	6.30	2.40	<0.5	<0.5	<0.5	--	--	ND	--	--	--	--	--
WB-5	4/7/1999		5.50		TPHg, TPHd, VOCs	Y		<0.5	<10	<0.5	0.60	<0.5	<1.5	**6,600**	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.002	<0.5	<0.5	<0.5	--	--	ND	--	--	--	--	--
WB-6	4/11/1999		8.00	n/a	TPHg, TPHd, VOCs	Y	n/a	<0.5	<10	<0.5	<0.5	<0.5	<1.5	**24**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.70	**12**	<0.5	<0.5	--	--	ND	--	--	--	--	--
WB-7	8/13/1999		15.00		TPHg, TPHd, VOCs	Y		3.8	0.73	<0.5	<0.5	<0.5	<15	**5,600**	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.002	<5.0	<0.5	<0.5	--	<0.5	ND	<50	<50	<500	<50	ND
WB-8	8/13/1999		14.50		TPHg, TPHd, VOCs	Y		<0.5	<0.42	<0.5	<0.5	<0.5	<1.5	9.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	10	<0.5	<0.5	<0.5	--	<0.5	ND	<50	<50	<500	<50	ND
WB-9	8/13/1999		11.50		TPHg, TPHd, VOCs	Y		<0.5	<0.42	<0.5	<0.5	<0.5	<1.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	16	<0.5	<0.5	<0.5	--	<0.5	ND	<50	<50	<500	<50	ND
B10-W	8/24/2001		15.50		VOCs, TPHg	Y		<0.5	--	<1.0	<1.0	<1.0	<3.0	2.1	4.4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	<1.0	ND	<50	<2.0	<50	<2.0	ND
B-11W	8/24/2001		15.00		VOCs, TPHg	Y		<0.5	--	<1.0	<1.0	<1.0	<3.0	<2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	<1.0	<1.0	<1.0	--	<1.0	ND	<50	<2.0	<50	<2.0	ND
B12-W	8/24/2001		15.00		VOCs, TPHg	Y		<0.5	--	<1.0	<1.0	<1.0	<3.0	<2	1.9	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	<1.0	ND	<50	<2.0	<50	<2.0	ND

Notes:

<100	Compound not detected above reporting limt
100	Regular type indicates compound detected above reporting limit
100	Shaded and italic indicates compound not detected above reporting limit, but reporting limit exceeds screening level
100	Bold type & shaded indicates compound detected above screening level

-- = not analyzed
- = no screening level available
mg/L = milligrams per liter
µg/L = micrograms per liter
ft bgs = feet below ground surface
TOC = top of casing
VOC = volatile organic compounds
FOC = fuel oxygenate compounds
TPHg = total petroleum hydrocarbon quantified as gasoline
TPHd = total petroleum hydrocarbon quantified as diesel
ETBE = ethyl tertiary butyl ether
DIPE = di-isopropyl ether
MTBE = methyl tertiary butyl ether
PCE = tetrachloroethene
TAME = tertiary amyl methyl ether
TBA = tert-butanol
(TPHg, VOCs*) = original laboratory report not available for review. Data taken from tables in subsequent report.

Table 3
Historical On-Site Sub-Slab Vapor Sampling Data
Latitude High School
1045 Derby Avenue
Oakland, California

Location	Screening Level	1,1,1-Trichloroethane (µg/m3)	1,3-Butadiene (µg/m3)	2-butanone (MEK) (µg/m3)	Acetone (µg/m3)	Benzene, 1,2,4-trimethyl- (µg/m3)	Benzene, 1,3,5-trimethyl- (µg/m3)	4-Ethyltoluene	Benzene (µg/m3)	Ethanol (µg/m3)	Freon 11 (µg/m3)	Freon 12 (µg/m3)	Heptane (µg/m3)	Hexane (µg/m3)	m&p-Xylenes (µg/m3)	o-Xylene (µg/m3)	Tetrachloroethene (PCE) (µg/m3)	Tetrahydrofuran (µg/m3)	Toluene (µg/m3)	1,2-Dichlorobenzene (µg/m3)	1,3-Dichlorobenzene (µg/m3)	1,4-Dioxane (µg/m3)	2,2,4-Trimethylpentane (µg/m3)	2-Hexanone (µg/m3)
	2019 Residential ESL (C):	--	--	--	--	--	--	--	2	--	--	--	--	--	--	--	15	--	--	--	--	12	--	--
	2019 Residential ESL (NC):	35000	--	170000	1100000	--	--	--	100	--	--	--	--	--	3500	3500	1400	--	10000	7000	--	1000	--	--
	Sample Date																							
VP1	7/22/2019	<0.91	--	<3.3	35	4	1.8	5.1 J	<0.69	86	1.5	2.3	<1.3	<0.42	3.2	1.7	<0.97	<1.3	2	<0.86	1.2	<2.5	<1.1	<2.2
	8/24/2019	<1.6	<1.3	<7.2	24 J	<4.6	<3.7	<2.3	<1.0	56	2.0 J	2.9 J	<2.4	<2.1	<1.5	<2.2	<2.3	<1.5	<3.1	<1.2	<1.5	<3.9	<1.2	<4.6
	9/7/2019	<1.5	<0.56	<3.7	12 J	58	15	42	<0.59	11	0.93 J	2.2 J	<0.74	<0.64	<0.96	1.6 J	<1.4	<0.83	<0.68	<1.2	<1.1	<2.2	<0.93	<2.2
	10/8/2020	< 6.4	< 2.6	< 14	< 28	< 5.8	< 5.8	--	< 3.8	< 22	< 6.6	< 5.8	< 4.8	< 4.1	< 5.1	< 5.1	< 8.0	< 3.5	< 4.4	--	--	--	--	--
VP2	7/15/2019	<1.6	--	14	400	5.2	1.8	5.8 J	0.93	190	5.3	2.7	1	<0.68	3.1	1.8	<1.5	0.93	2.9	<1.2	<1.1	<2.3	2.2	<2.4
	8/13/2019	<0.82	<0.52	13	900	8.7	2.8 J	7.0	0.78 J	180	4.4 J	1.9 J	<1.2	<0.38	0.90 J	<1.0	<0.88	1.4 J	0.99 J	<0.78	<0.77	<2.2	<1.0	<1.9
	8/24/2019	<1.7	<1.4	9.0 J	1,700 E	<4.7	<3.9	<2.4	2.8 J	94	7.8	2.3 J	<2.5	<2.2	2.6 J	<2.3	<2.3	2.5 J	<3.2	<1.3	<1.6	<4.0	<1.3	<4.8
	9/7/2019	<1.4	<0.56	5.4 J	1,200 E	310	62	210	1.6 J	340	4.7 J	2.2 J	2.5 J	<0.63	2.6 J	6.7	1.6 J	<0.82	3.1 J	<1.1	2.2 J	<2.1	<0.92	<2.2
	10/8/2020	< 6.6	< 2.7	< 14	63	< 5.9	< 5.9	--	< 3.9	< 23	< 6.8	< 6.0	< 5.0	< 4.3	< 5.2	< 5.2	< 8.2	< 3.6	< 4.6	--	--	--	--	--
VP3	7/15/2019	3.2	--	6.6	70	2.8	1.4	3.0 J	0.63	150	13	4.8	<0.77	<0.67	4.7	1.6	<1.5	<0.87	1.8	<1.2	<1.1	<2.3	<0.97	<2.3
	8/13/2019	2.4 J	<0.54	4.5 J	42	8.9	2.3 J	7.2	<0.64	400	9.1	4.1 J	<1.2	<0.39	0.85 J	<1.1	0.95 J	<1.2	0.68 J	<0.81	<0.80	<2.3	<1.0	<2.0
	8/24/2019	2.6 J	<0.89	<3.0	28 J	7.9	<2.7	5.3 J	3.2 J	480	4.3 J	<2.4	<1.6	<1.7	<1.4	<1.8	<3.4	<2.0	<1.5	<3.3	<3.0	<9.6	<1.8	<5.0
	9/7/2019	<1.4	<0.55	4.8 J	50	730	160	610	<0.58	740	1.7 J	2.1 J	<0.72	<0.62	6.6	18	1.4 J	<0.82	1.9 J	<1.1	1.0 J	<2.1	<0.91	<2.2
	10/8/2020	< 6.5	< 2.6	< 14	< 28	< 5.9	< 5.9		< 3.8	39	20	< 5.9	< 4.9	< 4.2	< 5.2	< 5.2	< 8.1	< 3.5	< 4.5	--	--	--	--	--
VP4	7/15/2019	<1.5	--	<3.9	32	3.1	1.4	3.8 J	1	50	1.5	2.9	1.2	0.69	3.2	2	<1.5	1.1	2	1.2	<1.1	<2.3	<0.97	<2.3
	7/15/2019	<1.5	--	4.3	33	3.1	1.2	3.0 J	0.9	53	1.2	2.8	2.6	<0.65	2.9	1.6	<1.5	1.2	1.7	<1.2	<1.1	<2.2	<0.95	<2.3
	8/13/2019	<0.89	<0.57	<3.2	15 J	4.3 J	0.76 J	3.0 J	0.89 J	23	1.4 J	2.3 J	<1.2	1.8 J	0.88 J	<1.1	<0.95	<1.2	0.96 J	<0.84	<0.83	<2.4	<1.1	<2.1
	8/24/2019	<1.5	<1.2	<6.7	19 J	8.4	<3.5	3.7 J	2.2 J	32	2.5 J	3.1 J	<2.2	3.0 J	3.7 J	2.1 J	<2.1	1.8 J	4.0 J	<1.2	<1.4	<3.6	<1.2	<4.3
	9/7/2019	<1.4	<0.54	<3.6	16 J	2.8 J	<0.65	1.8 J	<0.57	11	<0.86	1.9 J	<0.71	<0.62	<0.93	<1.4	<1.4	<0.80	0.90 J	<1.1	<1.0	<2.1	<0.90	<2.2
	10/8/2020	< 6.2	< 2.5	< 13	35	< 5.6	< 5.6		< 3.6	< 21	< 6.3	< 5.6	< 4.6	< 4.0	< 4.9	< 4.9	< 7.7	< 3.3	< 4.2	--	--	--	--	--
VP5	7/15/2019	9.1	--	4	41	3.4	1.4	4.5 J	0.62	51	8.9	3.8	<0.76	<0.65	3.4	1.8	**250**	<0.85	1.5	<1.2	<1.1	2.6	<0.95	<2.3
	8/13/2019	9.3	<0.61	<3.5	16 J	6.6	2.4 J	7.2	<0.72	42	14	3.9 J	<1.3	0.58 J	0.77 J	<1.2	**270**	<1.3	1.1 J	<0.91	<0.90	<2.6	<1.2	<2.3
	8/24/2019	14	<1.3	<7.0	20 J	6.1	<3.6	<2.2	<1.0	41	21	4.5 J	<2.4	<2.1	<1.4	<2.2	**340**	<1.4	<3.0	<1.2	<1.5	<3.8	<1.2	<4.5
	9/7/2019	9.7	<0.57	<3.8	8.0 J	100	20	75	<0.60	52	13	3.1 J	<0.75	<0.65	<0.98	3.1 J	**470**	<0.85	<0.69	<1.2	<1.1	<2.2	<0.95	<2.3
	10/8/2020	16	< 2.4	< 13	< 26	< 5.4	< 5.4	< 5.4	< 3.5	76	28	6.5	< 4.5	< 3.9	< 4.8	< 4.8	**480**	< 3.2	< 4.1	--	--	--	--	--
VP6	7/15/2019	<1.6	--	<4.0	85	3.4	1.5	3.8 J	0.73	81	2.7	3	<0.80	<0.69	4.9	2.7	10	1.4	2.1	<1.2	<1.1	<2.3	<1.0	<2.4
	8/13/2019	<1.0	<0.67	<3.8	13 J	4.7 J	1.2 J	3.8 J	<0.79	15	2.2 J	2.0 J	<1.5	<0.49	<0.72	<1.3	8.3 J	<1.5	0.62 J	<1.0	<0.99	<2.9	<1.3	<2.5
	8/24/2019	<1.6	<1.3	<6.9	14 J	<4.4	<3.6	<2.2	3.5 J	17	6.3 J	4.8 J	<2.3	<2.1	<1.4	<2.2	15	<1.4	<3.0	<1.2	<1.4	<3.7	<1.2	<4.4
	8/24/2019	<1.5	<1.2	<6.6	18 J	<4.2	<3.4	<2.1	2.7 J	21	5.7 J	3.3 J	<2.2	<2.0	<1.3	<2.0	**18**	<1.3	<2.8	<1.1	<1.4	<3.6	<1.2	<4.2
	9/7/2019	<1.4	<0.56	<3.6	7.5 J	<2.0	<0.66	2.1 J	<0.58	<3.0	2.8 J	2.0 J	<0.73	<0.63	<0.95	<1.4	**20**	<0.82	<0.66	<1.1	<1.0	<2.1	<0.92	<2.2
	10/8/2020	< 6.3	< 2.6	< 14	30	< 5.7	< 5.7	< 5.7	< 3.7	< 22	< 6.5	< 5.7	< 4.8	< 4.1	< 5.0	< 5.0	**17**	< 3.4	< 4.4	--	--	--	--	--
	10/8/2020	< 6.7	< 2.7	< 14	< 29	< 6.0	< 6.0	< 6.0	< 3.9	< 23	< 6.9	< 6.0	< 5.0	< 4.3	< 5.3	< 5.3	**18**	< 3.6	< 4.6	--	--	--	--	--
VP7	7/15/2019	<1.4	--	7.3	520	7.2	3.1	6.1	**3.7**	120	1.5	3.2	2.9	<0.63	32	13	7.9	4.1	34	<1.1	<1.0	3.3	<0.92	<2.2
	8/13/2019	<0.87	2.0 J	<3.2	41	15	5.0 J	16	**4.9**	22	1.0 J	2.0 J	<1.2	1.6 J	12	5.3	6.6 J	1.5 J	18	<0.83	<0.82	<2.4	<1.1	<2.1
	8/24/2019	<1.6	<1.3	<7.2	25 J	38	14	16	3.2 J	37	2.0 J	2.7 J	<2.4	<2.1	9.2	7.6	9.6	<1.5	16	<1.2	<1.5	<3.9	<1.2	<4.6
	9/7/2019	<1.4	<0.56	<3.7	240	120	30	100	**4.2**	260	0.99 J	2.0 J	2.8 J	<0.63	26	13	<1.4	<0.82	43	<1.1	<1.0	**30**	<0.92	<2.2
	10/8/2020	< 6.1	< 2.5	< 13	75	< 5.5	< 5.5	< 5.5	< 3.6	44	< 6.3	< 5.5	< 4.6	< 3.9	9.2	6.8	< 7.6	< 3.3	7.7	--	--	--	--	--
VP8	7/15/2019	<1.4	--	7.1	170	4.6	1.7	4.9 J	1.3	230	1.3	3.8	<0.71	<0.62	6.6	2.8	<1.4	1.7	5.7	<1.1	<1.0	<2.1	<0.90	<2.2
	8/13/2019	<0.84	0.54 J	<3.0	110	22	6.5	21	1.0 J	250	0.77 J	2.0 J	1.5 J	0.97 J	3.8 J	2.8 J	<0.90	1.4 J	7.4	<0.79	<0.79	<2.3	<1.0	<2.4
	8/24/2019	<1.5	<1.2	<6.8	65	56	17	13	**3.9**	240	1.9 J	2.7 J	<2.3	<2.0	2.4 J	2.8 J	<2.1	<1.4	2.9 J	<1.2	<1.4	<3.7	<1.2	<4.4
	9/7/2019	<1.6	<0.63	<4.1	160	70	16	56	<0.66	610	1.0 J	2.2 J	<0.82	<0.71	3.3 J	3.9 J	<1.6	<0.92	3.4 J	<1.3	<1.2	<2.4	<1.0	<2.5
	9/7/2019	<1.6	<0.63	<4.2	320	80	18	71	<0.66	720	1.0 J	2.4 J	<0.83	<0.72	4.2 J	5.2 J	<1.6	3.6 J	3.6 J	<1.3	<1.2	<2.4	<1.0	<2.5
	10/8/2020	< 6.5	< 2.6	< 14	< 28	< 5.9	< 5.9	< 5.9	< 3.8	< 23	< 6.7	< 5.9	< 4.9	< 4.2	< 5.2	< 5.2	< 8.1	< 3.5	< 4.5	--	--	--	--	--
VP9	7/15/2019	<1.5	--	22	240	10	2.4	6.5	0.96	88	1.6	4	<0.76	<0.65	9.9	4.7	<1.5	2.3	5.1	<1.2	<1.1	4.3	<0.95	2.3
	8/13/2019	<0.94	1.5 J	11 J	220	9.2	2.5 J	8.0	3.2 J	20	1.5 J	2.2 J	2.1 J	5.9	0.95 J	<1.2	1.1 J	<1.3	2.4 J	<0.89	<0.88	<2.6	<1.2	<2.2
	8/24/2019	<2.3	<0.84	<2.9	37	8.8	<2.6	7.3	1.5 J	28	<2.1	2.9 J	<1.6	<1.6	1.6 J	<1.6	<3.2	<1.9	1.6 J	<3.1	<2.8	<9.0	<1.7	<4.7
	10/8/2020	< 5.9	10	28	110	1600	280	1300	**5.6**	270	< 6.0	< 5.3	7.8	4.1	14	55	< 7.3	5	13	--	--	--	--	--
VP10	7/22/2019	<1.6	--	6.8	62	4.9	2	4.4 J	**3.7**	44	1.6	3.3	<0.82	<0.71	6.7	3	9.8	1.2	15	<1.3	<1.2	<2.4	<1.0	<2.5
	8/13/2019	1.2 J	<0.60	<3.4	17 J	14	6.4	16	2.3 J	12	1.5 J	2.1 J	<1.3	1.4 J	3.6 J	5.1 J	8.0 J	<1.3	5.9	<0.89	<0.88	<2.6	<1.2	<2.2
	8/24/2019	<2.3	<0.84	<2.8	22 J	21	6.4	28	1.7 J	18	<2.1	<2.2	<1.5	<1.6	1.9 J	2.1 J	8.9	<1.9	1.4 J	<3.1	<2.8	<9.0	<1.6	<4.6
	9/7/2019	1.5 J	<0.57	<3.8	160	530	120	480	0.66 J	19	1.1 J	1.9 J	14	<0.65	4.1 J	14	13	<0.84	2.0 J	<1.2	<1.1	<2.2	<0.94	<2.3
	10/8/2020	< 6.3	< 2.6	< 14	< 28	< 5.7	< 5.7	< 5.7	< 3.7	< 22	< 6.5	< 5.7	< 4.8	< 4.1	< 5.0	< 5.0	**19**	< 3.4	< 4.4	--	--	--	--	--

Table 3
Historical On-Site Sub-Slab Vapor Sampling Data
Latitude High School
1045 Derby Avenue
Oakland, California

Location	Screening Level	2-Propanol (µg/m3)	4-Methyl-2-pentanone (µg/m3)	Bromomethane (µg/m3)	Carbon Disulfide (µg/m3)	Chloroform (µg/m3)	Ethyl Benzene (µg/m3)	Methylene Chloride (µg/m3)	Naphthalene (µg/m3)	n-Propylbenzene (µg/m3)	Propylbenzene (µg/m3)	Styrene (µg/m3)	1,1,2,2-Tetrachloroethane	1,2-Dibromoethane (EDB)	1,4-Dichlorobenzene	Bromodichloromethane	Chlorobenzene	Chloromethane	Cumene	Cyclohexane	Methyl tert-butyl ethyl	Vinyl Chloride	TPH as gasoline
	2019 Residential ESL (C):	--	--	--	--	4.1	37	34	2.8	--	--	--	1.6	0.16	85	2.5	--	--	--	--	360	0.32	--
	2019 Residential ESL (NC):	--	--	170	--	3400	35000	14000	100	--	--	31000	--	28	28000	--	1700	31000	--	--	100000	3500	20000
	Sample Date	--																					
VP1	7/22/2019	3.8	<2.0	<3.1	13	<0.82	<1.0	<2.8	**36**	--	1.4	<0.92	<1.3	*<1.1*	<0.87	<0.96	<0.55	<1.6	<0.59	<0.66	<2.2	*<0.61*	---
	8/24/2019	3.4 J	<1.9	<12	<3.4	<1.3	<0.62	<2.8	<0.41	--	<2.7	<1.1	<1.4	*<1.1*	<1.3	*<3.1*	<1.4	<1.6	<1.6	<1.2	<2.3	*<2.3*	<510
	9/7/2019	<1.6	<1.0	<2.5	<2.1	<1.1	<1.1	<1.6	*<7.3*	--	7.2	<0.78	<1.4	*<2.0*	<1.2	<1.8	<0.78	<1.8	1.9 J	<1.7	<2.2	*<0.69*	<470
	10/8/2020	--	--	--	--	--	--	--	--	< 5.8	--	--	--	--	--	--	--	--	<12	--	--	--	--
VP2	7/15/2019	21	1.7	<2.6	7.2	<1.2	1.3	<1.7	**7.4**	--	2.9	1.1	<1.4	*<2.1*	<1.3	<1.9	<0.83	<1.9	<0.60	<1.8	<2.4	*<0.74*	---
	8/13/2019	36	<1.8	<2.8	7.4 J	<0.74	<0.94	<2.6	3.7 J	--	1.6 J	1.2 J	<1.2	*<1.0*	<0.78	<0.87	<0.50	<1.4	<0.53	<0.59	3.7 J	*<0.55*	650
	8/24/2019	27	<2.0	<12	<3.5	<1.3	1.3 J	<2.9	1.6 J	--	<2.8	2.0 J	<1.5	*<1.1*	<1.3	*<3.2*	<1.5	<1.7	<1.6	<1.3	<2.4	*<2.3*	1,200
	9/7/2019	24	<0.99	<2.4	9.5 J	<1.1	1.2 J	<1.6	*<7.2*	--	32	<0.77	<1.3	*<1.9*	4.1 J	<1.7	<0.77	<1.8	7.3	<1.7	<2.2	*<0.68*	1,900
	10/8/2020	--	--	--	--	--	--	--	--	< 5.9	--	--	--	--	--	--	--	--	22				
VP3	7/15/2019	5.9	1.2	<2.6	5.9	<1.2	1.6	<1.7	**6.4**	--	1	5	<1.4	*<2.0*	<1.2	<1.8	<0.81	<1.9	<0.59	<1.8	<2.3	*<0.72*	---
	8/13/2019	9.7 J	<1.8	<2.9	2.4 J	<0.76	<0.97	<2.6	**4.7**	--	1.2 J		<1.2	*<1.0*	<0.81	<0.90	<0.52	<1.5	<0.55	<0.62	<2.1	*<0.57*	<460
	8/24/2019	<3.8	<2.0	<3.7	3.0 J	<1.7	<2.2	<3.8	4.0 J	--	<2.1		*<3.8*	*<3.9*	<3.2	<2.5	<1.8	<5.8	1.6 J	<1.8	<1.3	*<1.3*	<520
	9/7/2019	4.3 J	1.2 J	<2.4	6.6 J	<1.1	1.7 J	<1.6	8.1 J	--	100		<1.3	*<1.9*	<1.2	<1.7	<0.76	<1.8	25	<1.7	<2.2	*<0.68*	4,000
	10/8/2020	--	--	--	--	--	--	--	--	< 5.9	--	--	--	--	--	--	--	--	16				
VP4	7/15/2019	3.9	1.4	<2.6	6.4	<1.2	1.6	<1.7	**24**	--	0.9	<0.81	<1.4	*<2.0*	<1.2	<1.8	<0.81	<1.9	<0.59	<1.8	<2.3	*<0.72*	---
	7/15/2019	86	1.4	2.9	5	<1.1	1.5	<1.6	--	--	<0.86	<0.80	<1.4	*<2.0*	<1.2	<0.8	<0.80	<1.8	<0.58	<1.7	<2.3	*<0.71*	---
	8/13/2019	<1.7	<1.9	<3.0	<2.2	<0.80	<1.0	<2.8	2.4 J	--	0.59 J	<0.89	<1.3	*<1.1*	<0.84	<0.94	<0.54	<1.5	<0.57	<0.64	<2.2	*<0.60*	<480
	8/24/2019	2.2 J	<1.8	<11	<3.2	<1.2	2.1 J	<2.6	0.58 J	--	<2.5	<1.0	<1.3	*<1.0*	<1.2	*<2.9*	<1.3	<1.5	<1.5	2.4 J	<2.2	*<2.1*	<470
	9/7/2019	2.8 J	<0.96	<2.4	<2.1	<1.1	<1.1	<1.5	<7.1	--	<0.81	1.2 J	<1.3	*<1.9*	<1.1	<1.7	<0.75	<1.8	<0.54	<1.6	<2.1	*<0.67*	<450
	10/8/2020	--	--	--	--	--	--	--	--	< 5.6	--	--	--	--	--	--	--	--	15				
VP5	7/15/2019	7	1	<2.5	7.9	<1.1	1.6	<1.6	**5**	--	1.1	1	<1.4	*<2.0*	<1.2	<1.8	<0.80	<1.8	<0.58	<1.7	<2.3	*<0.71*	---
	8/13/2019	2.2 J	<2.1	<3.2	10 J	5.3 J	<1.1	<3.0	**4.6**	--	1.6 J	<0.97	<1.4	*<1.2*	<0.91	<1.0	<0.58	<1.7	<0.62	0.94 J	<2.4	*<0.64*	650
	8/24/2019	2.5 J	<1.9	<11	3.5 J	3.6 J	<0.60	<2.8	1.8 J	--	<2.6	<1.1	<1.4	*<1.0*	<1.2	*<3.0*	<1.4	<1.6	<1.6	<1.2	<2.3	*<2.2*	1,100
	9/7/2019	1.9 J	<1.0	<2.5	5.0 J	1.2 J	<1.1	<1.6	*<7.5*	--	13	<0.79	<1.4	*<2.0*	<1.2	<1.8	1.0 J	<1.8	3.1 J	<1.7	<2.3	*<0.70*	1,300
	10/8/2020	--	--	--	--	--	--	--	--	< 5.4	--	--	--	--	--	--	--	--	15				
VP6	7/15/2019	9.9	1.8	2.8	8.6	**7.9**	2.1	<1.7	**24**	--	0.94	1.7	<1.5	*<2.1*	<1.3	<1.9	<0.84	<2.0	<0.61	<1.8	<2.4	*<0.75*	---
	8/13/2019	<2.0	<2.3	<3.5	5.3 J	1.6 J	<1.2	<3.2	**5.6**	--	0.94 J	<1.0	<1.5	*<1.3*	<1.0	<1.1	<0.64	<1.8	<0.68	<0.76	<2.6	*<0.70*	<560
	8/24/2019	<2.0	<1.8	<11	8.5 J	2.0 J	<0.59	<2.7	3.8 J	--	<2.6	<1.1	<1.4	*<1.0*	<1.2	*<3.0*	<1.4	<1.6	<1.5	<1.2	<2.3	*<2.2*	<490
	8/24/2019	<1.9	<1.8	<11	3.8 J	2.1 J	<0.57	<2.6	4.5 J	--	<2.5	<1.0	<1.3	*<0.98*	<1.2	*<2.8*	<1.3	<1.5	<1.5	<1.2	<2.2	*<2.1*	<470
	9/7/2019	<1.6	<0.98	<2.4	5.4 J	<1.1	<1.1	<1.6	*<7.2*	--	<0.82	<0.76	<1.3	*<1.9*	<1.2	<1.7	<0.76	<1.8	<0.55	<1.7	<2.2	*<0.68*	<460
	10/8/2020	--	--	--	--	--	--	--	--	< 5.7	--	--	--	--	--	--	--	--	15	--	--	--	--
	10/8/2020	--	--	--	--	--	--	--	--	< 6.0	--	--	--	--	--	--	--	--	14	--	--	--	--
VP7	7/15/2019	16	10	<2.4	4.6	<1.1	8	7.2	**21**		1.7	1.4	<1.3	*<1.9*	<1.2	<1.7	<0.76	<1.8	1.3 J	<1.7	<2.2	*<0.68*	---
	8/13/2019	3.0 J	<1.9	<2.9	11 J	<0.78	3.2 J	<2.7	**8.8**	--	3.0 J	1.2 J	<1.2	*<1.0*	<0.83	<0.92	<0.53	<1.5	1.1 J	<0.63	<2.1	*<0.58*	450
	8/24/2019	3.4 J	<1.9	<12	6.5 J	<1.3	3.2 J	2.8 J	7.3 J	--	8.9	<1.1	<1.4	*<1.1*	<1.3	*<3.1*	<1.4	<1.6	3.0 J	<1.2	<2.3	*<2.3*	1,200
	9/7/2019	9.1 J	2.9 J	<2.4	6.7 J	<1.1	6.8	5.4 J	*<7.2*	--	22	<0.77	<1.3	*<1.9*	<1.2	<1.7	<0.77	4.5 J	7.2	<1.7	4.7 J	*<0.68*	1,400
	10/8/2020	--	--	--	--	--	--	--	--	< 5.5	--	--	--	--	--	--	--	--	18	--	--	-	--
VP8	7/15/2019	59	1.7	<2.4	5.7	<1.1	1.6	<1.5	**6.9**	--	1.3	0.81	<1.3	*<1.9*	<1.1	<1.7	<0.75	<1.8	<0.54	<1.6	<2.1	*<0.67*	---
	8/13/2019	26	<1.8	<2.8	5.8 J	<0.75	<0.96	<2.6	**5.2**	--	4.0 J	<0.84	<1.2	*<1.0*	<0.80	<0.88	<0.51	<1.4	1.5 J	<0.60	12 J	*<0.56*	740
	8/24/2019	20	<1.8	<11	6.1 J	<1.2	<0.58	<2.7	1.7 J	--	8	<1.1	<1.4	*<1.0*	<1.2	*<2.9*	<1.4	<1.6	4.2 J	<1.2	<2.2	*<2.1*	1,100
	9/7/2019	26	<1.1	<2.8	5.0 J	<1.2	<1.2	<1.8	*<8.2*	--	10	<0.86	<1.5	*<2.2*	<1.3	<2.0	<0.86	<2.0	3.4 J	<1.9	<2.5	*<0.77*	820
	9/7/2019	28	<1.1	<2.8	10 J	<1.2	<1.2	<1.8	*<8.2*	--	13	<0.87	<1.5	*<2.2*	<1.3	<2.0	<0.87	2.7 J	5.1 J	<1.9	<2.5	*<0.78*	820
	10/8/2020	--	--	--	--	--	--	--	--	< 5.9	--	--	--	--	--	--	--	--	15	--	--	--	--
VP9	7/15/2019	9.6	5.3	<2.5	4.7	<1.1	4.5	<1.6	**160**	--	1.4	1.2	<1.4	*<2.0*	<1.2	<1.8	<0.80	<1.8	<0.58	<1.7	<2.3	*<0.71*	---
	8/13/2019	3.0 J	<2.0	<3.2	<2.3	<0.84	<1.1	<2.9	**15**	--	1.8 J	<0.95	<1.4	*<1.1*	<0.90	<0.99	<0.57	<1.6	<0.61	<0.68	<2.3	*<0.63*	<500
	8/24/2019	<3.6	<1.8	<3.5	4.2 J	<1.6	<2.0	<3.6	**17**	--	<2.0	<1.4	*<3.6*	*<3.6*	<3.0	<2.4	<1.7	<5.4	<1.4	<1.7	<1.2	*<1.2*	<480
	10/8/2020	--	--	--	--	--	--	--	--	240	--	--	--	--	--	--	--	--	26	--	--	--	--
VP10	7/22/2019	3.5	1.3	<2.7	6	<1.2	5.7	<1.8	**4.6**	--	1.2	<0.86	<1.5	*<2.2*	<1.3	<2.0	<0.86	<2.0	<0.62	<1.9	<2.5	*<0.77*	---
	8/13/2019	<1.8	<2.0	<3.2	3.9 J	<0.84	2.0 J	<2.9	**5.3**	--	3.7 J	1.3 J	<1.4	*<1.1*	<0.90	<0.99	<0.57	<1.6	1.5 J	0.87 J	7.7 J	*<0.63*	610
	8/24/2019	<3.5	<1.8	<3.5	3.4 J	<1.6	<2.0	<3.6	4.1 J	--	5.8	<1.4	*<3.6*	*<3.6*	<3.0	<2.4	<1.7	<5.4	2.3 J	<1.7	10 J	*<1.2*	570
	9/7/2019	<1.6	<1.0	<2.5	4.9 J	<1.1	2.2 J	<1.6	*<7.4*	--	91	<0.79	<1.4	*<2.0*	<1.2	<1.8	<0.79	<1.8	22	<1.7	4.3 J	*<0.70*	2,600
	10/8/2020	--	--	--	--	--	--	--	--	< 5.7	--	--	--	--	--	--	--	--	<11	--	--	--	--

Notes

<100	Compound not detected above reporting limt
100	Regular type indicates compound detected above reporting limit
100	Shaded and italic indicates compound not detected above reporting limit, but reporting limit exceeds screening level
100	Bold type & shaded indicates compound detected above screening level

-- = -- = not analyzed

- = - = no screening level available

µg/m3 = milligrams per liter

< = Not detected at or above laboratory method detection limit

ESL = Environmental Screening Level, SFBRWQCB, 2019 (Rev 2) SL = Tier 3 Screening Level, Geosyntec, Augusat 2019

(C) = Carcinogenic risk

(NC) = Non-carcinogenic risk

E = Exceeds instrument calibration range.

J = Estimated value that is less than the laboratory reporting limit but equal to or greater than the laboratory method detection limit. UJ = Non-detected compound associated with low bias in the continuing calibration verification (CCV) standards.

Table 4
Historical Outdoor Air Sampling Data
Latitude High School
1045 Derby Avenue
Oakland, California

Sample ID	Screening Level	1,1,1-Trichloro-ethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromoethane (EDB)	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	1,3-Butadiene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane	2,2,4-Trimethylpentane	2-Butanone (Methyl Ethyl Ketone)
	Residential ESL (C):	--	0.048	0.18	1.8	--	--	--	0.0047	--	0.11	0.28	--	--	--	0.26	0.36	--	--
	Residential ESL (NC):	1000	--	0.21	--	73	2.1	--	0.83	210	7.3	4.2	--	--	--	830	31	--	5200
	Sample Date																		
Outdoor Air																			
A1	7/30/2018	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8.5
A2	7/30/2018	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.8
A2-DUP	7/30/2020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.6
A3	7/30/2018	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6.5
OA1	7/16/2019	<0.024	<0.040	<0.037	<0.025	<0.021	<1.2	<0.26	<0.13	<0.74	0.080 J	<0.19	<0.23	<0.18	<0.63	<0.15	0.12 J	<0.54	0.85 J
OA2	7/16/2019	<0.022	<0.036	<0.034	<0.022	<0.019	<1.1	<0.24	<0.12	<0.68	0.080 J	<0.17	<0.21	<0.16	<0.58	<0.14	<0.10	<0.49	0.54 J
OA3	7/16/2019	<0.022	<0.038	<0.036	<0.024	<0.020	<1.2	<0.25	<0.13	<0.71	0.081 J	<0.18	<0.22	<0.17	<0.60	<0.14	<0.10	<0.52	0.97 J
OA4	8/4/2019[1]	<0.0273	0.611	0.928	<0.0203	0.0397	<0.0371	0.118	<0.0384	<0.0301	0.045 J	0.0832	0.0295	0.0575	0.0421	0.0481	1.91	--	4.25 J
	8/4/2019[2]	<0.0273	0.103	0.0273	<0.0203	0.0476	0.0519	0.187	<0.0384	<0.0301	0.037 J	<0.0231	0.0443	0.0663	<0.0301	0.0601	2.03	--	4.34 J
	8/5/2019[3]	<0.0273	0.247	0.595	0.077	0.0397	0.193	0.103	<0.0384	0.0361	0.041 J	0.0277	0.0344	0.0884	0.0301	0.0541	21.9	--	6.43 J
	8/25/2019[1]	<0.057	<0.079	<0.058	<0.047	<0.056	<2.4	<0.19	<0.042	<0.19	0.054 J	<0.20	<0.17	<0.083	<0.36	<0.12	<0.33	<0.71	<0.53
	9/1/2019[1]	<0.057	<0.079	<0.058	<0.047	<0.056	<2.4	<0.19	<0.042	<0.19	0.053 J	<0.20	<0.17	<0.083	<0.36	<0.12	<0.33	<0.71	<0.53
	9/8/2019[1]	<0.022	<0.038	<0.036	<0.024	<0.020	<1.2	<0.25	<0.13	<0.71	0.049 J	<0.18	<0.22	<0.17	<0.60	<0.14	<0.10	<0.52	0.43 J
OA5	8/4/2019[1]	<0.0273	0.247	0.699	0.0527	0.0516	<0.0371	0.128	<0.0384	<0.0301	0.045 J	0.0554	0.0344	0.0663	0.108	0.12	1.3	--	6.96 J
	8/4/2019[2]	<0.0273	0.0962	0.0874	<0.0203	0.0397	<0.0371	0.143	<0.0384	<0.0301	0.041 J	<0.0231	0.0344	0.0575	0.0962	0.108	1.16	--	2.60 J
	8/5/2019[3]	<0.0273	0.137	<0.0273	<0.0203	0.0397	0.0519	0.212	<0.0384	0.0361	0.032 J	<0.0231	0.0443	0.0707	<0.0301	0.0421	4.57	--	4.43 J
	8/25/2019[1]	<0.056	<0.078	<0.057	<0.046	<0.054	<2.3	<0.18	<0.041	<0.19	0.052 J	<0.19	<0.17	<0.082	<0.35	<0.12	0.34 J	<0.69	<0.52
	9/1/2019[1]	<0.057	<0.079	<0.058	<0.047	<0.056	<2.4	<0.19	<0.042	<0.19	0.052 J	<0.20	<0.17	<0.083	<0.36	<0.12	<0.33	<0.71	<0.53
	9/8/2019[1]	<0.023	<0.039	<0.036	<0.024	<0.020	<1.2	<0.26	<0.13	<0.73	0.050 J	<0.18	<0.22	<0.18	<0.62	<0.14	0.27 J	<0.53	<0.30

Notes

All results in micrograms per cubic meter (µg/m^3)

-- = no screening level available

-- = not analyzed/ not detected above laboratory reporting limit

= Concentration exceeds ESL

< = Not detected at or above laboratory method detection limit

100 = Regular type indicates compound detected above reporting limit

ESL = Environmental Screening Level, SFBRWQCB, 2019 (Rev 2)

(C) = Carcinogenic risk

(NC) = Non-carcinogenic risk

Footnote1 = Sample collected between 8AM and 4PM

Footnote2 = Sample collected between 4PM and 12AM

Footnote3 = Sample collected between 12AM and 8AM

J = Estimated value that is less than the laboratory reporting limit but equal to or greater than the laboratory method detection limit. UJ = Non-detected compound associated with low bias in the continuing calibration verification standards

Table 4
Historical Outdoor Air Sampling Data
Latitude High School
1045 Derby Avenue
Oakland, California

Sample ID	Screening Level	2-Hexanone	2-Propanol	3-Chloropropene	4-Ethyltoluene	4-Methyl-2-pentanone	Acetone	alpha-Chlorotoluene	Benzene	Bromodichloromethane	Bromoform	Bromomethane	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene
	Residential ESL (C):	--	--	--	--	--	--	--	0.097	0.076	2.6	--	--	0.067	--	--	0.12	--	--
	Residential ESL (NC):	--	--	--	--	--	32000	--	3.1	--	--	5.2	--	42	52	10000	100	94	8.3
Outdoor Air	**Sample Date**																		
A1	7/30/2018	--	23	--	--	--	11	--	--	--	--	--	--	--	--	--	--	--	--
A2	7/30/2018	--	28	--	--	--	10	--	--	--	--	--	--	--	--	--	--	--	--
A2-DUP	7/30/2020	--	17	--	--	--	10	--	--	--	--	--	--	--	--	--	--	--	--
A3	7/30/2018	--	13	--	--	--	11	--	--	--	--	--	--	--	--	--	--	--	--
OA1	7/16/2019	<0.32	0.95 J	<0.23	<0.24	<0.23	9.2	<0.45	0.21 J	<0.45	<0.80	<1.5	<0.66	0.56	<0.22	0.036 J	0.12 J	1.4 J	<0.024
OA2	7/16/2019	<0.29	0.36 J	<0.21	<0.22	<0.21	5.7	<0.41	0.21 J	<0.41	<0.73	<1.4	<0.60	0.53	<0.20	<0.017	0.096 J	1.2 J	<0.022
OA3	7/16/2019	<0.30	0.46 J	<0.22	<0.23	<0.22	7.7	<0.43	0.23 J	<0.43	<0.77	<1.4	<0.63	0.53	<0.22	<0.17	0.10 J	1.3 J	<0.023
OA4	8/4/2019[1]	9.31	3.42 J	--	0.143	2.23	29.3	--	0.26 J	<0.0335	<0.103	<0.0194	<0.0156	0.37	0.0092	<0.0132	0.12 J	0.2 J	<0.0198
	8/4/2019[2]	7.67	1.70 J	--	0.128	0.701	31.1	--	0.25 J	<0.0335	<0.103	<0.0194	<0.0156	0.42	0.0138	0.0238	0.16 J	0.3 J	<0.0198
	8/5/2019[3]	41.4	1.92 J	--	0.0836	7.13	25.4	--	0.41 J	<0.0335	<0.103	<0.0194	<0.0156	0.35	0.023	<0.0132	0.07 J	0.2 J	0.0554
	8/25/2019[1]	<0.91	0.43 J	<1.0	<0.20	<0.18	7.7 J	<0.18	0.31 J	<0.42	<0.42	<0.59	<0.47	0.46	<0.21	<0.034	0.097 J	0.71 J	<0.049
	9/1/2019[1]	<0.91	<0.24 UJ	<1.0	<0.20	<0.18	5.8	<0.18	0.28 J	<0.42	<0.42	<0.59	<0.47	0.53	<0.21	<0.034	0.086 J	0.70 J	<0.049
	9/8/2019[1]	<0.30	0.37 J	<0.22	<0.23	<0.22	5.7	<0.43	0.19 J	<0.43	<0.77	<1.4	<0.63	0.49	<0.22	0.023 J	0.087 J	0.97 J	<0.023
OA5	8/4/2019[1]	9.31	2.48 J	--	0.108	1.57	27.5	--	0.22 J	<0.0335	<0.103	<0.0194	0.177	0.36	0.0138	<0.0132	0.28 J	0.2 J	<0.0198
	8/4/2019[2]	5.33	2.07 J	--	0.0886	0.426	25.6	--	0.23 J	<0.0335	<0.103	<0.0194	0.0435	0.37	0.0184	0.0132	0.22 J	0.2 J	<0.0198
	8/5/2019[3]	5.13	1.26 J	--	0.138	0.894	24.4	--	0.27 J	<0.0335	<0.103	<0.0194	0.028	0.37	0.069	<0.0132	0.19 J	0.1 J	<0.0198
	8/25/2019[1]	<0.89	0.41 J	<0.98	<0.20	<0.17	9.4 J	<0.17	0.32 J	<0.41	<0.42	<0.58	<0.46	0.44	<0.20	<0.033	0.095 J	0.68 J	<0.048
	9/1/2019[1]	<0.91	<0.24 UJ	<1.0	<0.20	<0.18	7.6	<0.18	0.24 J	<0.42	<0.42	<0.59	<0.47	0.52	<0.21	<0.034	0.083 J	0.72 J	<0.049
	9/8/2019[1]	<0.31	0.31 J	<0.23	<0.24	<0.22	4.6	<0.44	0.20 J	<0.44	<0.79	<1.5	<0.64	0.49	<0.22	<0.018	0.090 J	1.0 J	<0.024

Notes

All results in micrograms per cubic meter (µg/m^3)

-- = no screening level available

-- = not analyzed/ not detected above laboratory reporting limit

= Concentration exceeds ESL

< = Not detected at or above laboratory method detection limit

100 = Regular type indicates compound detected above reporting limit

ESL = Environmental Screening Level, SFBRWQCB, 2019 (Rev 2)

(C) = Carcinogenic risk

(NC) = Non-carcinogenic risk

Footnote1 = Sample collected between 8AM and 4PM

Footnote2 = Sample collected between 4PM and 12AM

Footnote3 = Sample collected between 12AM and 8AM

J = Estimated value that is less than the laboratory reporting limit but equal to or greater than the laboratory method detection limit. UJ = Non-detected compound associated with low bias in the continuing calibration verification standards

Table 4
Historical Outdoor Air Sampling Data
Latitude High School
1045 Derby Avenue
Oakland, California

Sample ID	Screening Level	Sample ID	Screening Level	cis-1,3-Dichloropropene	Cumene	Cyclohexane	chloro-methane	Ethanol	Ethyl Benzene	Freon 11	Freon 113	Freon 114	Freon 12	Heptane	Hexachlorobutadiene	Hexane	m,p-Xylene	Methyl tert-butyl ether	Methylene Chloride	Naphthalene
	Residential ESL (C):		*Residential ESL (C):*	0.18	--	--	--	--	1.1	--	--	--	--	--	--	--	--	11	1	0.083
	Residential ESL (NC):		*Residential ESL (NC):*	21	--	--	--	--	1000	--	--	--	--	--	--	--	100	3100	420	3.1
	Sample Date		**Sample Date**																	
Outdoor Air		**Outdoor Air**																		
A1	7/30/2018	A1	7/30/2018	--	--	--	1.5	38	--	--	--	--	--	--	--	--	--	--	3.7	--
A2	7/30/2018	A2	7/30/2018	--	--	--	1.3	20	--	--	--	--	--	--	--	--	--	--	1.8	--
A2-DUP	7/30/2020	A2-DUP	7/30/2020	--	--	--	1.2	28	--	--	--	--	--	--	--	--	--	--	2.1	--
A3	7/30/2018	A3	7/30/2018	--	--	--	1.4	29	--	--	--	--	--	--	--	--	--	--	<1.7	--
OA1	7/16/2019	OA1	7/16/2019	<0.14	<0.30	<0.23	<0.46	3.2	0.093 J	1.3	<0.93	0.13 J	2.6	<0.34	<1.5	<0.41	0.31 J	<0.013	0.82 J	0.16 J
OA2	7/16/2019	OA2	7/16/2019	<0.13	<0.28	<0.21	<0.42	2.8	0.094 J	1.4	<0.85	0.12 J	2.5	<0.31	<1.3	<0.37	0.31	<0.012	0.68 J	0.16 J
OA3	7/16/2019	OA3	7/16/2019	<0.13	<0.29	<0.22	<0.44	3.3	0.098 J	1.4	<0.89	0.13 J	2.6	<0.33	<1.4	<0.39	0.32	<0.013	0.61 J	0.15 J
OA4	8/4/2019[1]	OA4	8/4/2019[1]	<0.0227	--	--	<0.0426	--	0.126 J	0.9	0.337	--	1.2	--	<0.213	1.2	0.31	<0.0181	0.19 J	1.05 J
	8/4/2019[2]		8/4/2019[2]	<0.0227	--	--	<0.0426	--	0.074 J	1.0	0.368	--	1.3	--	<0.213	0.257	0.26	<0.0181	0.21 J	1.41 J
	8/5/2019[3]		8/5/2019[3]	<0.0227	--	--	<0.0426	--	0.056 J	0.9	0.322	--	1.3	--	<0.213	3.66	0.15	0.0181	0.20 J	35.90 J
	8/25/2019[1]		8/25/2019[1]	<0.16	<0.13	<0.16	<0.45	4.4	0.11 J	1.1	0.53 J	0.11 J	2.0	<0.24	<3.2	<0.35	0.34	<0.055	0.70 J	0.079 J
	9/1/2019[1]		9/1/2019[1]	<0.16	<0.13	<0.16	<0.45	4.7	0.13 J	1.1	0.56 J	0.11 J	2.0	<0.24	<3.2	<0.35	0.43	<0.055	0.44 J	0.080 J
	9/8/2019[1]		9/8/2019[1]	<0.13	<0.29	<0.22	<0.44	2.4	0.090 J	1.3	<0.89	0.11 J	2.0	<0.33	<1.4	<0.39	0.34	<0.013	<0.57	0.080 J
OA5	8/4/2019[1]	OA5	8/4/2019[1]	<0.0227	--	--	<0.0426	--	0.113 J	0.9	0.329	--	1.1	--	<0.213	1.83	0.30	0.0289	0.20 J	0.78 J
	8/4/2019[2]		8/4/2019[2]	<0.0227	--	--	<0.0426	--	0.074 J	0.9	0.337	--	1.2	--	<0.213	0.873	0.27	<0.0181	0.18 J	0.91 J
	8/5/2019[3]		8/5/2019[3]	<0.0227	--	--	<0.0426	--	0.273 J	0.9	0.322	--	1.3	--	<0.213	0.338	0.30	<0.0181	0.18 J	1.13 J
	8/25/2019[1]		8/25/2019[1]	<0.16	<0.13	<0.16	<0.44	4.0	<0.098	1.0	0.54 J	0.11 J	2.0	<0.24	<3.1	<0.34	0.29 J	<0.054	0.70 J	0.33 J
	9/1/2019[1]		9/1/2019[1]	<0.16	<0.13	<0.16	<0.45	4.1	<0.10	1.0	0.49 J	0.11 J	2.0	<0.24	<3.2	<0.35	0.32	<0.055	0.50 J	<0.078
	9/8/2019[1]		9/8/2019[1]	<0.14	<0.30	<0.22	<0.45	3.2	0.10 J	1.3	<0.91	0.11 J	2.0	<0.33	<1.4	<0.40	0.37	<0.013	<0.58	0.072 J

Notes

All results in micrograms per cubic meter (µg/m^3)

-- = no screening level available

-- = not analyzed/ not detected above laboratory reporting limit

= Concentration exceeds ESL

< = Not detected at or above laboratory method detection limit

100 = Regular type indicates compound detected above reporting limit

ESL = Environmental Screening Level, SFBRWQCB, 2019 (Rev 2)

(C) = Carcinogenic risk

(NC) = Non-carcinogenic risk

Footnote1 = Sample collected between 8AM and 4PM

Footnote2 = Sample collected between 4PM and 12AM

Footnote3 = Sample collected between 12AM and 8AM

J = Estimated value that is less than the laboratory reporting limit but equal to or greater than the laboratory method detection limit. UJ = Non-detected compound associated with low bias in the continuing calibration verification standards

Table 4
Historical Outdoor Air Sampling Data
Latitude High School
1045 Derby Avenue
Oakland, California

Sample ID	Screening Level	Sample ID	Screening Level	o-Xylene	Propylbenzene	Styrene	Tetrachloroethene	Tetrahydrofuran	Toluene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene	Vinyl Chloride	Butane	TPHg	ETBE	Ethyl Acetate	TAME	tert-Butanol
	Residential ESL (C):		*Residential ESL (C):*	--	--	--	0.46	--	--	--	0.18	0.48	0.0095	--	--	--	--	--	--
	Residential ESL (NC):		*Residential ESL (NC):*	100	--	940	42	--	310	83	21	2.1	100	--	600	--	--	--	--
	Sample Date		**Sample Date**																
Outdoor Air		**Outdoor Air**																	
A1	7/30/2018	A1	7/30/2018	--	--	--	--	--	4.4	--	--	--	--	1.4	--	--	18	--	--
A2	7/30/2018	A2	7/30/2018	--	--	--	--	--	2.0	--	--	--	--	<1.2	--	--	13	--	--
A2-DUP	7/30/2020	A2-DUP	7/30/2020	--	--	--	--	--	2.2	--	--	--	--	1.2	--	--	15	--	--
A3	7/30/2018	A3	7/30/2018	--	--	--	--	--	3.0	--	--	--	--	<1.2	--	--	12	--	--
OA1	7/16/2019	OA1	7/16/2019	0.12 J	<0.26	<0.11	<0.068	<0.35	0.54	<0.023	<0.30	<0.053	<0.012	--	--	--	--	--	--
OA2	7/16/2019	OA2	7/16/2019	0.11 J	<0.24	<0.10	<0.062	<0.32	2.4	<0.021	<0.27	<0.048	<0.011	--	--	--	--	--	--
OA3	7/16/2019	OA3	7/16/2019	0.12 J	<0.25	<0.10	<0.065	<0.34	0.56	<0.022	<0.29	<0.051	<0.012	--	--	--	--	--	--
OA4	8/4/2019[1]	OA4	8/4/2019[1]	0.13 J	--	0.0298	0.176	2.07	6.20	<0.0198	--	--	--	--	--	0.0251	8.46	<0.0209	
	8/4/2019[2]		8/4/2019[2]	0.10 J	--	0.0298		3.25	0.47	<0.0198	--	--	--	--	--	<0.0209	18.5	<0.0209	1.97
	8/5/2019[3]		8/5/2019[3]	0.06 J	--	0.107	0.441	2.86	1.33	<0.0198	--	--	--	--	--	0.0376	9.94	0.0251	--
	8/25/2019[1]		8/25/2019[1]	0.14 J	<0.22	<0.080	<0.045	<1.0	0.61	<0.053	<0.19	<0.13	<0.034	--	<72	--	--	--	--
	9/1/2019[1]		9/1/2019[1]	0.17 J	<0.22	<0.080	0.084 J	<1.0 UJ	0.72	<0.053	<0.19	0.14 J	<0.034	--	<72	--	--	--	--
	9/8/2019[1]		9/8/2019[1]	0.13 J	<0.25	<0.10	<0.065	<0.34	0.41	<0.022	<0.29	<0.051	<0.012	--	<72	--	--	--	--
OA5	8/4/2019[1]	OA5	8/4/2019[1]	0.12 J	--	0.0256	0.176	1.62	2.53	<0.0198	--	--	--	--	--	0.0293	7.56	<0.0209	
	8/4/2019[2]		8/4/2019[2]	0.10 J	--	<0.0213		0.826	0.47	<0.0198	--	--	--	--	--	<0.0209	0.648	0.0209	1.15
	8/5/2019[3]		8/5/2019[3]	0.08 J	--	0.0256	0.176	0.463	0.40	<0.0198	--	--	--	--	--	0.0209	1.91	0.0251	--
	8/25/2019[1]		8/25/2019[1]	0.11 J	<0.21	<0.078	1	<1.0	0.52	<0.052	<0.18	<0.12	<0.033	--	<70	--	--	--	--
	9/1/2019[1]		9/1/2019[1]	0.14 J	<0.22	<0.080	0.060 J	<1.0 UJ	0.56	<0.053	<0.19	0.2	<0.034	--	<72	--	--	--	--
	9/8/2019[1]		9/8/2019[1]	0.14 J	<0.25	<0.11	<0.066	<0.34	0.46	<0.022	<0.29	<0.052	<0.012	--	<73	--	--	--	--

Notes

All results in micrograms per cubic meter ($\mu g/m^3$)

-- = no screening level available

-- = not analyzed/ not detected above laboratory reporting limit

= Concentration exceeds ESL

< = Not detected at or above laboratory method detection limit

100 = Regular type indicates compound detected above reporting limit

ESL = Environmental Screening Level, SFBRWQCB, 2019 (Rev 2)

(C) = Carcinogenic risk

(NC) = Non-carcinogenic risk

Footnote1 = Sample collected between 8AM and 4PM

Footnote2 = Sample collected between 4PM and 12AM

Footnote3 = Sample collected between 12AM and 8AM

J = Estimated value that is less than the laboratory reporting limit but equal to or greater than the laboratory method detection limit. UJ = Non-detected compound associated with low bias in the continuing calibration verification standards

Table 5
Historical Indoor Air Sampling Data
Latitude High School
1045 Derby Avenue
Oakland, California

Sample ID	Screening Level	1,1,1-Trichloro-ethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromoethane (EDB)	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	1,3-Butadiene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane	2,2,4-Trimethylpentane	2-Butanone (Methyl Ethyl Ketone)	2-Hexanone	2-Propanol	3-Chloropropene	4-Ethyltoluene	4-Methyl-2-pentanone
	Residential ESL (C):	--	0.048	0.18	1.8	--	--	--	0.0047	--	0.11	0.28	--	--	--	0.26	0.36	--	--	--	--	--	--	--
	Residential ESL (NC):	1000	--	0.21	--	73	2.1	--	0.83	210	7.3	4.2	--	--	--	830	31	--	5200	--	--	--	--	--
	Sample Date																							
Indoor Air																								
A4	7/30/2018	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2	--	14	--	--	--
A5	7/30/2018	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.6	--	16	--	--	--
A6	7/30/2018	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.1	--	8.7	--	--	--
IA1	7/23/2019	0.044 J	<0.014	<0.0047	<0.0096	<0.015	<0.70	0.81 J	<0.0089	<0.24	0.058 J	<0.054	0.42 J	<0.082	<0.25	0.16 J	<0.15	0.22 J	1.1 J	<0.55	0.74 J	<0.42	1.3	<0.13
IA2	7/16/2019	<0.020	<0.034	<0.031	<0.021	<0.018	<1.0	0.42 J	<0.11	<0.62	0.082 J	<0.16	<0.19	<0.15	<0.53	<0.12	0.33 J	<0.45	1.7 J	<0.27	2.9	<0.20	0.32 J	0.28 J
IA3	7/16/2019	<0.021	<0.036	<0.033	<0.022	<0.018	<1.1	0.46 J	<0.12	<0.66	0.091 J	<0.17	<0.20	<0.16	<0.56	<0.13	0.28 J	<0.48	2.6	<0.28	9.3	<0.21	0.39 J	0.34 J
IA4	7/16/2019	<0.024	<0.040	<0.037	<0.025	<0.021	<1.2	0.42 J	<0.13	<0.75	0.092 J	<0.19	<0.23	<0.18	<0.64	<0.15	0.18 J	<0.54	2.5 J	<0.32	4.8	<0.23	0.37 J	0.35 J
IA5	7/16/2019	<0.022	<0.038	<0.035	<0.023	<0.020	<1.1	0.40 J	<0.12	<0.70	0.088 J	<0.18	<0.22	<0.17	<0.60	<0.14	<0.10	<0.51	2.6	<0.30	5.0	<0.22	0.33 J	0.35 J
IA05	8/4/2019[1]	<0.0273	<0.0687	0.18	<0.0203	0.631	<0.0371	0.31 J	<0.0384	<0.0301	0.020 J	0.037	0.0738	0.0597	<0.0301	<0.0301	3.49	--	9.4	13.5	16.1	--	0.15 J	0.56 J
	8/4/2019[2]	<0.0273	0.158	0.12	<0.0203	0.572	0.0445	0.48 J	<0.0384	<0.0301	0.024 J	0.0231	0.138	<0.0442	<0.0301	<0.0301	1.97	--	<0.0148	9.02	15.8	--	0.27 J	0.55 J
	8/4/2019[2]	<0.0273	0.295	1.25	0.186	0.56	<0.0371	0.44 J	<0.0384	<0.0301	0.028 J	0.0554	0.138	<0.0442	<0.0301	<0.0301	5.04	--	<0.0148	13.9	17.6	--	0.22 J	3.03 J
	8/5/2019[3]	<0.0273	<0.0687	0.0819	<0.0203	0.421	<0.0371	0.33 J	<0.0384	<0.0301	0.020 J	0.0277	0.0935	0.0663	<0.0301	<0.0301	<0.0180	--	2.7	11	15.6	--	0.16 J	0.45 J
	8/5/2019[3]	<0.0273	<0.0687	0.0601	<0.0203	0.437	<0.0371	0.33 J	<0.0384	<0.0301	0.020 J	<0.0231	0.0984	0.0641	<0.0301	<0.0301	<0.0180	--	5.4	9.96	17.4	--	0.19 J	0.53 J
	8/25/2019[1]	<0.051	<0.070	<0.051	<0.042	<0.049	<2.1	0.26 J	<0.037	<0.17	0.052 J	<0.17	<0.15	<0.074	<0.32	<0.11	<0.30	<0.63	<0.47	<0.80	2.0	<0.88	<0.18	<0.16
	9/1/2019[1]	<0.053	<0.073	<0.053	<0.043	<0.051	<2.2	0.36 J	<0.039	<0.18	0.054 J	<0.18	<0.16	<0.077	<0.33	<0.11	0.35 J	<0.65	0.79 J	<0.84	1.8 J	<0.92	<0.18	<0.16
	9/8/2019[1]	<0.022	<0.037	<0.034	<0.023	<0.019	<1.1	1.0 J	<0.12	<0.68	0.047 J	<0.17	0.27 J	<0.16	<0.58	<0.14	<0.10	<0.50	<0.28	<0.29	1.4 J	<0.21	0.48 J	<0.21
	9/8/2019[1]	<0.021	<0.035	<0.033	<0.022	<0.018	<1.1	0.31 J	<0.12	<0.65	0.047 J	<0.17	<0.20	<0.16	<0.56	<0.13	<0.096	<0.47	0.31 J	<0.28	1.5 J	<0.20	0.29 J	<0.20
IA6	7/16/2019	<0.022	<0.037	<0.035	<0.023	<0.019	<1.1	0.44 J	<0.12	<0.69	0.098 J	<0.18	<0.21	<0.17	<0.59	<0.14	<0.10	<0.50	2.6	<0.30	6.9	<0.22	0.38 J	0.39 J
IA-06	8/4/2019[1]	<0.0273	<0.0687	0.126	<0.0203	0.742	<0.0371	0.52 J	<0.0384	<0.0301	0.032 J	0.0323	0.148	0.0641	<0.0301	0.0301	4.54	--	6.2	16.4	7.3	--	0.25 J	0.80 J
	8/4/2019[2]	<0.0273	0.206	0.448	0.0567	0.643	0.0371	0.79 J	<0.0384	<0.0301	0.032 J	0.0416	0.246	0.0751	<0.0301	<0.0301	2.56	--	6.2	16.5	7.6	--	0.46 J	1.57 J
	8/4/2019[3]	<0.0273	<0.0687	0.0328	<0.0203	0.369	<0.0371	0.48 J	<0.0384	<0.0301	0.032 J	0.0231	0.138	<0.0442	<0.0301	0.168	4.21	--	17.1	13.8	5.8	--	0.22 J	0.57 J
	8/25/2019[1]	<0.054	<0.074	<0.054	<0.044	<0.052	<2.2	0.64 J	<0.040	<0.18	0.040 J	<0.18	<0.16	<0.078	<0.34	<0.11	<0.31	<0.67	0.53 J	<0.85	14.0	<0.94	0.19 J	<0.16
	9/1/2019[1]	0.14 J	<0.073	<0.053	<0.043	<0.051	<2.2	0.53 J	<0.039	<0.18	0.049 J	<0.18	<0.16	<0.077	<0.33	<0.11	<0.31	<0.65	0.82 J	<0.84	11 J	<0.92	<0.18	<0.16
	9/8/2019[1]	<0.022	<0.037	<0.035	<0.023	<0.019	<1.1	0.46 J	<0.12	<0.69	0.041 J	<0.18	<0.21	<0.17	<0.59	<0.14	<0.10	<0.50	0.41 J	<0.30	6.3	<0.22	0.38 J	<0.22
IA7	7/16/2019	<0.021	<0.035	<0.032	<0.022	<0.018	<1.0	0.41 J	<0.12	<0.65	0.093 J	<0.16	<0.20	<0.55	<0.096	<0.13	0.23 J	<0.47	2.7	<0.28	4.9	<0.20	0.35 J	0.38 J
IA8	7/30/2019	<0.099	<0.0063	<0.003	<0.14	<0.076	<0.09	0.70 J	<0.0023	<0.079	0.130 J	0.021	0.23 J	<0.048	<0.061	0.068	<0.0011	--	9.9	0.29 J	--	--	<0.035	1.90 J
IA08	8/25/2019[1]	<0.051	<0.070	<0.051	<0.042	<0.049	<2.1	0.51 J	<0.037	<0.17	<0.023	<0.17	<0.15	<0.074	<0.32	<0.11	<0.30	<0.63	1.4 J	<0.80	8.1	<0.88	<0.18	<0.16
	9/1/2019[1]	<0.052	<0.072	<0.052	<0.042	<0.050	<2.1	0.57 J	<0.038	<0.17	0.028 J	<0.18	<0.16	<0.075	<0.33	<0.11	<0.30	<0.64	2.6	<0.82	17 J	<0.90	<0.18	<0.16
	9/8/2019[1]	<0.023	<0.039	<0.036	<0.024	<0.020	<1.2	0.34 J	<0.13	<0.73	<0.028	<0.18	<0.22	<0.18	<0.62	<0.14	<0.11	<0.53	1.9 J	<0.31	20.0	<0.23	<0.24	0.36 J
IA9	7/30/2019	<0.099	<0.0063	<0.003	<0.14	<0.076	<0.09	0.74 J	<0.0023	<0.079	0.086 J	0.014	0.19 J	<0.048	<0.061	0.11	<0.0011	--	2.5 J	0.19 J	--	--	<0.035	0.33 J
IA09	8/25/2019[1]	<0.053	<0.073	<0.053	<0.043	<0.051	<2.2	0.59 J	<0.039	<0.18	<0.024	<0.18	<0.16	<0.077	<0.33	<0.11	<0.31	<0.65	0.63 J	<0.84	12.0	<0.92	<0.18	<0.16
	9/1/2019[1]	<0.056	<0.078	<0.057	<0.046	<0.054	<2.3	0.61 J	<0.041	<0.19	0.035 J	<0.19	<0.17	<0.082	<0.35	<0.12	<0.33	<0.69	<0.52	<0.89	11 J	<0.98	<0.20	<0.17
	9/8/2019[1]	<0.021	<0.036	<0.033	<0.022	<0.019	<1.1	0.66 J	<0.12	<0.67	0.040 J	<0.17	<0.20	<0.16	<0.57	<0.13	0.13 J	<0.48	0.56 J	<0.28	9.4	<0.21	0.49 J	<0.21
IA10	8/25/2019[1]	<0.051	<0.070	<0.051	<0.042	<0.049	<2.1	0.80 J	<0.037	<0.17	0.034 J	<0.17	<0.15	<0.074	<0.32	<0.11	0.40 J	<0.63	0.51 J	<0.80	23.0	<0.88	0.18 J	<0.16
	9/1/2019[1]	<0.050	<0.069	<0.050	<0.041	<0.048	<2.0	0.99 J	<0.037	<0.17	0.031 J	<0.17	<0.15	<0.072	<0.31	<0.10	<0.29	<0.62	3.1	<0.79	4.7 J	<0.87	<0.17	<0.15
	9/8/2019[1]	<0.022	<0.038	<0.036	<0.024	<0.020	<1.2	0.55 J	<0.13	<0.71	0.038 J	<0.18	<0.22	<0.17	<0.60	<0.14	0.70 J	<0.52	0.45 J	<0.30	4.3	<0.22	0.44 J	<0.22

Table 5
Historical Indoor Air Sampling Data
Latitude High School
1045 Derby Avenue
Oakland, California

Sample ID	Screening Level	1,1,1-Trichloro-ethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromoethane (EDB)	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	1,3-Butadiene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane	2,2,4-Trimethylpentane	2-Butanone (Methyl Ethyl Ketone)	2-Hexanone	2-Propanol	3-Chloropropene	4-Ethyltoluene	4-Methyl-2-pentanone
	Residential ESL (C):	--	0.048	0.18	1.8	--	--	--	0.0047	--	0.11	0.28	--	--	--	0.26	0.36	--	--	--	--	--	--	--
	Residential ESL (NC):	1000	--	0.21	--	73	2.1	--	0.83	210	7.3	4.2	--	--	--	830	31	--	5200	--	--	--	--	--
	Sample Date																							
IA11	8/4/2019[1]	<0.0273	0.0893	0.743	<0.0203	0.54	0.0371	0.29 J	<0.0384	<0.0301	0.032 J	0.0508	0.0738	0.0751	0.0481	0.0481	3.20 J		8.2	14.9	10.3		0.17 J	2.03 J
	8/5/2019[3]	<0.0273	<0.0687	1.65	0.369	0.413	<0.0371	0.45 J	<0.0384	<0.0301	0.032 J	0.0693	0.103	0.239	<0.0301	<0.0301	3.85 J		10.7	18.5	10.0		0.24 J	3.08 J
	8/25/2019[1]	<0.053	<0.073	<0.053	<0.043	<0.051	<2.2	0.94 J	<0.039	<0.18	0.041 J	<0.18	<0.16	<0.077	<0.33	<0.11	<0.31	<0.65	0.54 J	<0.84	4.3	<0.92	0.19 J	<0.16
	9/1/2019[1]	<0.051	<0.070	<0.051	<0.042	<0.049	<2.1	0.57 J	<0.037	<0.17	0.048 J	<0.17	<0.15	<0.074	<0.32	<0.11	<0.30	<0.63	2.4	<0.80	3.2 J	<0.88	<0.18	<0.16
	9/1/2019[1]	<0.054	<0.074	<0.054	<0.044	<0.052	<2.2	0.42 J	<0.040	<0.18	0.050 J	<0.18	<0.16	<0.078	<0.34	0.57	<0.31	<0.67	0.73 J	<0.85	2.4 J	<0.94	<0.19	<0.16
	9/8/2019[1]	<0.022	<0.038	<0.036	<0.024	<0.020	<1.2	0.55 J	<0.13	<0.71	0.041 J	<0.18	<0.22	<0.17	<0.60	<0.14	<0.10	<0.52	0.74 J	<0.30	3.0	<0.22	0.47 J	<0.22
IA12	8/4/2019[1]	<0.0273	0.405	0.977	0.0527	0.647	<0.0371	0.37 J	<0.0384	<0.0301	0.032 J	0.0832	0.118	0.0906	<0.0301	<0.0301	4.14 J	--	9.2	14.6	13.3	--	0.21 J	2.75 J
	8/5/2019[2]	<0.0273	0.131	0.0328	<0.0203	0.639	0.104	0.71 J	<0.0384	<0.0301	0.028 J	0.0231	0.177	0.0707	<0.0301	0.0481	3.60 J	--	8.9	12.9	20.1	--	0.32 J	1.18 J
	8/4/2019[3]	<0.0273	<0.0687	0.164	<0.0203	0.425	0.0519	0.48 J	<0.0384	<0.0301	0.024 J	0.0231	0.113	0.0663	<0.0301	<0.0301	3.64 J	--	7.1	14.1	15.8	--	0.22 J	1.49 J
	8/25/2019[1]	<0.057	<0.079	<0.058	<0.047	<0.056	<2.4	0.80 J	<0.042	<0.19	0.043 J	<0.20	<0.17	<0.083	<0.36	<0.12	<0.33	<0.71	<0.53	<0.91	16.0	<1.0	<0.20	<0.18
	8/25/2019[1]	<0.051	<0.070	<0.051	<0.042	<0.049	<2.1	0.78 J	<0.037	<0.17	0.044 J	<0.17	<0.15	<0.074	<0.32	<0.11	<0.30	<0.63	1.6 J	<0.80	16.0	<0.88	<0.18	<0.16
	9/1/2019[1]	0.17 J	<0.073	<0.053	<0.043	0.14	<2.2	0.87 J	<0.039	<0.18	0.050 J	<0.18	<0.16	<0.077	<0.33	<0.11	<0.31	<0.65	0.66 J	<0.84	12 J	<0.92	<0.18	<0.16
	9/8/2019[1]	<0.022	<0.037	<0.035	<0.023	<0.019	<1.1	0.81 J	<0.12	<0.69	0.044 J	<0.18	0.24 J	<0.17	<0.59	<0.14	0.16 J	<0.50	0.65 J	<0.30	16.0	<0.22	0.62 J	0.22 J
Crawl Space																								
CS1	7/16/2019	<0.22	<0.38	<0.36	<0.24	<0.20	<12	11	<1.3	<7.1	<0.28	<1.8	4.0 J	<1.7	<6.0	<1.4	<1.0	7.1 J	9.6 J	<3.0	4.1 J	<2.2	12	3.5 J

Notes

All results in micrograms per cubic meter (µg/m^3)

-- = no screening level available

-- = not analyzed/ not detected above laboratory reporting limit

= Concentration exceeds ESL

< = Compound not detected above reporting limit

100 = Regular type indicates compound detected above reporting limit

J = Estimated value that is less than the laboratory reporting limit but equal to or greater than the laboratory method detection limit. UJ = Non-detected compound associated with low bias in the continuing calibration verification standards

< = Not detected at or above laboratory method detection limit

ESL = Environmental Screening Level, SFBRWQCB, 2019 (Rev 2)

(C) = Carcinogenic risk

(NC) = Non-carcinogenic risk

Footnote1 = Sample collected between 8AM and 4PM

Footnote2 = Sample collected between 4PM and 12AM

Footnote3 = Sample collected between 12AM and 8AM

Table 5
Historical Indoor Air Sampling Data
Latitude High School
1045 Derby Avenue
Oakland, California

Sample ID	Screening Level	Acetone	alpha-Chlorotoluene	Benzene	Bromodichloromethane	Bromoform	Bromomethane	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene	Cumene	Cyclohexane	chloro-methane	Ethanol	Ethyl Benzene	Freon 11	Freon 113	Freon 114	Freon 12
	Residential ESL (C):	--	--	0.097	0.076	2.6	--	--	0.067	--	--	0.12	--	--	0.18	--	--	--	--	1.1	--	--	--	--
	Residential ESL (NC):	32000	--	3.1	--	--	5.2	--	42	52	10000	100	94	8.3	21	--	--	--	--	1000	--	--	--	--
	Sample Date																							
Indoor Air																								
A4	7/30/2018	15	--	--	--	--	--	--	--	--	--	--	1.4	--	--	--	--	--	39	--	--	--	--	--
A5	7/30/2018	25	--	--	--	--	--	--	--	--	--	--	1.3	--	--	--	--	--	24	--	--	--	--	--
A6	7/30/2018	20	--	--	--	--	--	--	--	--	--	--	1.4	--	--	--	--	--	35	--	--	--	--	--
IA1	7/23/2019	8.2	<0.20	0.32	<0.096	<0.16	<0.48	<0.20	0.50	<0.062	0.050 J	0.14 J	0.82 J	<0.016	<0.099	<0.19	<0.14	<0.13	18	0.18	1.4	0.46 J	0.10 J	2.4
IA2	7/16/2019	27	<0.38	0.24 J	<0.38	<0.68	<1.3	<0.56	0.57	<0.19	0.12 J	0.17	1.4 J	<0.021	<0.12	<0.25	<0.19	<0.38	22	1.6	1.5	<0.78	0.12 J	2.4
IA3	7/16/2019	39	<0.40	0.28	<0.40	<0.72	<1.3	<0.59	0.57	<0.20	0.14 J	0.17	1.4 J	<0.022	<0.12	<0.27	<0.20	<0.41	29	0.63	1.3	<0.83	0.12 J	2.5
IA4	7/16/2019	32	<0.45	0.27 J	<0.46	<0.81	<1.5	<0.66	0.55	<0.23	0.070 J	0.16 J	1.4 J	<0.025	<0.14	<0.30	<0.23	<0.46	36	0.28	1.4	<0.94	0.12 J	2.5
IA5	7/16/2019	38	--	0.28	<0.43	<0.76	<1.4	<0.62	0.53	<0.21	0.078 J	0.14 J	1.5 J	<0.023	<0.13	<0.29	<0.22	<0.43	35	0.25	1.3	<0.88	0.12 J	2.4
IA05	8/4/2019[1]	48.1	--	0.15	<0.0335	<0.103	<0.0194	0.0218	0.15	0.0138	0.026 J	0.05 J	0.5 J	<0.0198	<0.0227	--	--	<0.0426	--	0.07	0.6	0.138	--	1.2
	8/4/2019[2]	40.2	--	0.14	<0.0335	<0.103	<0.0194	<0.0156	0.15	0.0138	0.058 J	0.05 J	0.5 J	<0.0198	<0.0227	--	--	<0.0426	--	0.11	0.6	0.138	--	1.2
	8/4/2019[2]	48.5	--	0.14	0.0335	<0.103	<0.0194	<0.0156	0.15	0.0138	0.045 J	<0.0244	0.5 J	<0.0198	<0.0227	--	--	<0.0426	--	0.09	0.6	0.13	--	1.1
	8/5/2019[3]	39.1	--	0.16	<0.0335	<0.103	<0.0194	0.124	0.15	0.0092	0.034 J	0.06 J	0.4 J	<0.0198	<0.0227	--	--	<0.0426	--	0.08	0.6	0.138	--	1.1
	8/5/2019[3]	43.6	--	0.17	<0.0335	<0.103	<0.0194	0.0653	0.15	0.0138	0.045 J	0.05 J	0.5 J	<0.0198	<0.0227	--	--	<0.0426	--	0.08	0.6	0.138	--	1.3
	8/25/2019[1]	7.2 J	<0.16	0.26	<0.38	<0.38	<0.52	<0.42	0.49	<0.18	<0.030	0.096 J	0.74 J	<0.043	<0.14	<0.12	<0.14	<0.40	5.9	0.10 J	1.1	0.55 J	0.10 J	2.1
	9/1/2019[1]	8.4	<0.16	0.27	<0.39	<0.39	<0.54	<0.43	0.45	<0.19	<0.031	0.098 J	0.72 J	<0.045	<0.15	<0.12	<0.15	<0.42	6.5	0.14	1.0	0.62 J	0.11 J	2.0
	9/8/2019[1]	4.9	<0.41	0.20 J	<0.42	<0.74	<1.4	<0.61	0.44	<0.21	<0.017	0.093 J	0.98 J	<0.022	<0.13	<0.28	<0.21	<0.42	3.6	0.22	1.3	<0.86	0.11 J	2.0
	9/8/2019[1]	5.8	<0.39	0.34	<0.40	<0.71	<1.3	<0.58	0.46	<0.20	<0.016	0.094 J	1.0 J	<0.022	<0.12	<0.27	<0.20	<0.40	3.8	0.11 J	1.3	<0.82	0.11 J	2.0
IA6	7/16/2019	37	<0.42	0.30	<0.42	<0.75	<1.4	<0.61	0.53	<0.21	0.067 J	0.15 J	1.4 J	<0.023	<0.13	<0.28	<0.21	<0.42	64	0.30	1.4	<0.87	0.13 J	2.5
IA-06	8/4/2019[1]	53.4	--	0.22	<0.0335	<0.103	<0.0194	0.0498	0.31	0.0184	0.029 J	0.07 J	0.4 J	<0.0198	<0.0227	--	--	<0.0426	--	0.17	0.8	0.283		1.2
	8/4/2019[2]	57.2	--	0.20	<0.0335	<0.103	<0.0194	0.0902	0.31	0.0138	0.048 J	0.08 J	0.5 J	<0.0198	<0.0227	--	--	<0.0426	--	0.12	0.8	0.283		1.1
	8/4/2019[3]	46.5	--	0.24	<0.0335	<0.103	<0.0194	<0.0156	0.32	0.0138	0.029 J	0.34 J	0.4 J	<0.0198	<0.0227	--	--	<0.0426	--	0.09	0.8	0.283		1.1
	8/25/2019[1]	39 J	<0.17	<0.15	<0.40	<0.40	<0.56	<0.44	0.26	<0.20	<0.032	0.091 J	1.3 J	<0.046	<0.15	0.82	<0.15	<0.42	11	0.24	1.0	0.39 J	0.11 J	2.0
	9/1/2019[1]	32	<0.16	0.25 J	<0.39	<0.39	<0.54	<0.43	0.31	<0.19	0.053 J	0.12 J	1.1 J	<0.045	<0.15	<0.12	<0.15	<0.42	12	0.16	1.1	0.40 J	0.11 J	2.1
	9/8/2019[1]	8	<0.42	0.13 J	<0.42	<0.75	<1.4	<0.62	0.33	<0.21	0.027 J	0.096 J	1.2 J	<0.023	<0.13	<0.28	<0.22	<0.43	5.9	0.081 J	1.2	<0.87	0.11 J	2.1
IA7	7/16/2019	51	<0.39	0.35	<0.40	<0.70	<1.3	<0.58	0.56	<0.20	0.092 J	0.14 J	1.5 J	<0.021	<0.12	<0.26	<0.20	<0.40	55	0.31	1.4	<0.82	0.12 J	2.5
IA8	7/30/2019	33	--	0.18	<0.0028	<0.12	0.062 J	1.1	0.52	<0.024	<0.046	0.21 J	0.7 J	<0.04	<0.0014	--	1.1 J	<0.0035	--	0.96	--	0.54 J	--	--
IA08	8/25/2019[1]	17 J	<0.16	<0.14	<0.38	<0.38	<0.52	<0.42	<0.091	<0.18	<0.030	0.067 J	0.85 J	<0.043	<0.14	<0.12	<0.14	<0.40	34	<0.089	0.38 J	<0.23	<0.064	2.0
	9/1/2019[1]	84	<0.16	<0.15	<0.38	<0.38	<0.54	<0.42	0.15 J	<0.19	0.059 J	0.13 J	0.99 J	<0.044	<0.14	<0.12	0.22 J	<0.41	86	0.16	1.1	<0.24	0.12 J	2.0
	9/8/2019[1]	15	<0.44	0.062 J	<0.44	<0.79	<1.5	<0.64	0.16 J	<0.22	<0.018	0.13 J	1.2 J	<0.024	<0.14	<0.30	<0.22	<0.45	86	0.11 J	1.4	<0.91	0.13 J	2.0
IA9	7/30/2019	30	--	0.15	<0.0028	<0.12	<0.058	0.14 J	0.49	<0.024	<0.046	0.32 J	0.7 J	<0.04	<0.0014	--	0.63 J	0.0057 J	--	0.43 J	--	0.51 J	--	--
IA09	8/25/2019[1]	270 J	<0.16	<0.15	<0.39	<0.39	<0.54	<0.43	<0.094	<0.19	<0.031	0.058 J	0.90 J	<0.045	<0.15	<0.12	<0.15	<0.42	150 E	0.12 J	0.61 J	<0.24	0.085 J	2.2
	9/1/2019[1]	67	<0.17	<0.16	<0.41	<0.42	<0.58	<0.46	0.20 J	<0.20	<0.033	0.095 J	0.81 J	<0.048	<0.16	<0.13	0.24 J	<0.44	110	0.16	0.89 J	0.28 J	0.10 J	2.0
	9/8/2019[1]	26	<0.40	0.12 J	<0.41	<0.72	<1.3	<0.59	0.29	<0.20	0.023 J	0.12 J	1.1 J	<0.022	<0.12	<0.27	<0.21	<0.41	90	0.11 J	1.4	<0.84	0.13 J	2.0
IA10	8/25/2019[1]	43 J	<0.16	0.16 J	<0.38	<0.38	<0.52	<0.42	0.22	<0.18	<0.030	0.16 J	1.2 J	<0.043	<0.14	<0.12	<0.14	<0.40	24	<0.089	1.0	0.37 J	0.12 J	2.2
	9/1/2019[1]	33	<0.16	0.18 J	<0.37	<0.37	<0.51	<0.41	0.21	<0.18	<0.030	0.12 J	0.92 J	<0.042	<0.14	<0.12	<0.14	<0.39	46	0.11 J	1.0	0.25 J	0.098 J	1.9
	9/8/2019[1]	8.4	<0.43	0.24 J	<0.43	<0.77	<1.4	<0.63	0.33	<0.22	<0.017	0.18 J	1.3 J	<0.023	<0.13	<0.29	<0.22	<0.44	17	0.096 J	1.5	<0.89	0.13 J	2.1

Table 5
Historical Indoor Air Sampling Data
Latitude High School
1045 Derby Avenue
Oakland, California

Sample ID	Screening Level	Acetone	alpha-Chlorotoluene	Benzene	Bromodichloromethane	Bromoform	Bromomethane	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene	Cumene	Cyclohexane	chloro-methane	Ethanol	Ethyl Benzene	Freon 11	Freon 113	Freon 114	Freon 12
	Residential ESL (C):	--	--	0.097	0.076	2.6	--	--	0.067	--	--	0.12	--	--	0.18	--	--	--	--	1.1	--	--	--	--
	Residential ESL (NC):	32000	--	3.1	--	--	5.2	--	42	52	10000	100	94	8.3	21	--	--	--	--	1000	--	--	--	--
	Sample Date																							
IA11	8/4/2019[1]	60.3	--	0.46	<0.0335	<0.103	<0.0194	0.6	0.25	0.0138	0.050 J	0.12 J	0.5 J	<0.0198	<0.0227	--	--	<0.0426	--	0.16	0.9	0.245	--	1.3
	8/5/2019[3]	69.4	--	0.14	0.0469	<0.103	<0.0194	0.028	0.19	0.0092	0.053 J	<0.0244	0.7 J	<0.0198	<0.0227	--	--	<0.0426	--	0.14	0.7	0.192	--	1.3
	8/25/2019[1]	20 J	<0.16	0.17 J	<0.39	<0.39	<0.54	<0.43	0.40	<0.19	0.065 J	0.10 J	0.82 J	<0.045	<0.15	<0.12	<0.15	<0.42	22	0.097 J	1.3	0.52 J	0.14 J	2.0
	9/1/2019[1]	44	<0.16	0.26	<0.38	<0.38	<0.52	<0.42	0.44	<0.18	0.032 J	0.17 J	0.72 J	<0.043	<0.14	<0.12	<0.14	<0.40	10	0.14	1.0	0.55 J	0.11 J	1.9
	9/1/2019[1]	14	<0.17	0.27	<0.40	<0.40	<0.56	<0.44	0.45	<0.20	<0.032	0.12 J	0.73 J	<0.046	<0.15	<0.12	<0.15	<0.42	8.3	0.13 J	1.1	0.67 J	0.15 J	2.0
	9/8/2019[1]	15	<0.43	0.71	<0.43	<0.77	<1.4	<0.63	0.39	<0.22	0.066 J	0.10 J	1.2 J	<0.023	<0.13	<0.29	0.31 J	<0.44	4.8	0.16	1.4	<0.89	0.11 J	2.0
IA12	8/4/2019[1]	50.7	--	0.18	<0.0335	<0.103	<0.0194	0.165	0.23	0.0184	0.034 J	0.06 J	0.4 J	<0.0198	<0.0227	--	--	<0.0426	--	0.10	0.8	0.214	--	1.2
	8/5/2019[2]	56.8	--	0.18	<0.0335	<0.103	<0.0194	<0.0156	0.25	0.0138	0.069 J	0.11 J	0.5 J	<0.0198	<0.0227	--	--	<0.0426	--	0.12	0.8	0.245	--	1.3
	8/4/2019[3]	59.1	--	0.20	<0.0335	<0.103	<0.0194	<0.0156	0.21	0.0138	0.040 J	<0.0244	0.4 J	<0.0198	<0.0227	--	--	<0.0426	--	0.11	0.8	0.207	--	1.3
	8/25/2019[1]	25 J	<0.18	<0.16	<0.42	<0.42	<0.59	<0.47	0.37	<0.21	0.045 J	0.12 J	0.91 J	<0.049	<0.16	0.43 J	<0.16	<0.45	11	<0.10	1.1	0.68 J	0.11 J	2.0
	8/25/2019[1]	39 J	<0.16	0.34	<0.38	<0.38	<0.52	<0.42	0.40	<0.18	0.080 J	0.12 J	2.6 J	<0.043	<0.14	0.34 J	<0.14	<0.40	12	<0.089	1.1	0.61 J	0.11 J	2.0
	9/1/2019[1]	18	<0.16	0.19 J	<0.39	<0.39	<0.54	<0.43	0.42	<0.19	0.050 J	0.15 J	0.86 J	<0.045	<0.15	<0.12	<0.15	<0.42	11	0.10 J	1.2	0.92 J	0.11 J	2.0
	9/8/2019[1]	21	<0.42	0.11 J	<0.42	<0.75	<1.4	<0.62	0.41	<0.21	0.088 J	0.12 J	1.4 J	<0.023	<0.13	<0.28	<0.22	<0.43	4.8	0.16	1.4	<0.87	0.11 J	2.0
Crawl Space																								
CS1	7/16/2019	120	<4.3	4.1	<4.3	<7.7	<14	15 J	<0.44	<2.2	<0.17	0.44 J	1.8 J	<0.23	<1.3	<2.9	3.0 J	<4.4	75	14	<1.7	<8.9	<0.31	2.4

Notes

All results in micrograms per cubic meter (µg/m^3)
-- = no screening level available
-- = not analyzed/ not detected above laboratory reporting limit
= Concentration exceeds ESL
< = Compound not detected above reporting limit
100 = Regular type indicates compound detected above reporting limit
J = Estimated value that is less than the laboratory reporting limit but equal to or greater than the laboratory method detection limit. UJ = Non-detected compound associated with low bias in the continuing calibration verification standards
< = Not detected at or above laboratory method detection limit
ESL = Environmental Screening Level, SFBRWQCB, 2019 (Rev 2)
(C) = Carcinogenic risk
(NC) = Non-carcinogenic risk
Footnote1 = Sample collected between 8AM and 4PM
Footnote2 = Sample collected between 4PM and 12AM
Footnote3 = Sample collected between 12AM and 8AM

Table 5
Historical Indoor Air Sampling Data
Latitude High School
1045 Derby Avenue
Oakland, California

Sample ID	Screening Level	Heptane	Hexachlorobutadiene	Hexane	m,p-Xylene	Methyl tert-butyl ether	Methylene Chloride	Naphthalene	o-Xylene	Propylbenzene	Styrene	Tetrachloroethene	Tetrahydrofuran	Toluene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene	Vinyl Chloride	Butane	TPHg	ETBE	Ethyl Acetate	TAME	tert-Butanol
	Residential ESL (C):	--	--	--	--	11	1	0.083	--	--	--	0.46	--	--	--	0.18	0.48	0.0095	--	--	--	--	--	--
	Residential ESL (NC):	--	--	--	100	3100	420	3.1	100	--	940	42	--	310	83	21	2.1	100	--	600	--	--	--	--
	Sample Date																							
Indoor Air																								
A4	7/30/2018	--	--	--	--	--	<1.7	--	--	--	--	--	--	3.1	--	--	--	--	<1.2	--	--	13	--	--
A5	7/30/2018	--	--	--	--	--	3.5	--	--	--	--	--	--	<1.9	--	--	--	--	<1.2	--	--	8	--	--
A6	7/30/2018	--	--	--	--	--	<1.7	--	--	--	--	--	--	<1.9	--	--	--	--	<1.2	--	--	7.5	--	--
IA1	7/23/2019	<0.15	<1.1	<0.15	0.57	<0.018	0.48 J	0.19 J	0.24	0.30 J	<0.18	0.033 J	<0.36	0.94	<0.011	<0.14	<0.019	<0.0066	--	--	--	--	--	--
IA2	7/16/2019	0.39 J	<1.2	<0.34	5.6	<0.011	0.77 J	0.19 J	1.3	<0.22	1.0	<0.057	1.2 J	1.7	<0.019	<0.25	0.17	<0.010	--	--	--	--	--	--
IA3	7/16/2019	0.41 J	<1.3	<0.36	2.2	<0.012	0.79 J	0.20 J	0.69	<0.23	0.62 J	0.089 J	1.9 J	2.3	<0.020	<0.27	0.054 J	<0.011	--	--	--	--	--	--
IA4	7/16/2019	0.43 J	<1.5	<0.41	0.90	<0.014	0.82 J	0.20 J	0.39	<0.26	1.0	0.086 J	2.9	1.6	<0.023	<0.30	<0.053	<0.012	--	--	--	--	--	--
IA5	7/16/2019	0.36 J	<1.4	<0.38	0.75	<0.013	0.76 J	0.19 J	0.34	<0.24	0.44 J	<0.064	2.8	1.5	<0.022	<0.28	<0.050	<0.011	--	--	--	--	--	--
IA05	8/4/2019[1]	--	<0.213	0.905	0.19	0.0217	0.19 J	0.58 J	0.09	--	0.13 J	0.163	3.3	0.5	<0.0198	--	--	--	--	--	0.109	16.5	<0.0209	--
	8/4/2019[2]	--	<0.213	<0.0176	0.28	<0.0181	0.18 J	0.72 J	0.11	--	0.15 J	--	0.7	0.4	<0.0198	--	--	--	--	--	0.0251	2.01	<0.0209	<0.0303
	8/4/2019[2]	--	<0.213	<0.0176	0.22	<0.0181	0.21 J	0.76 J	0.09	--	0.15 J	--	4.0	1.8	0.0198	--	--	--	--	--	0.117	5.76	<0.0209	<0.0303
	8/5/2019[3]	--	<0.213	0.957	0.19	<0.0181	0.19 J	0.57 J	0.08	--	0.14 J	0.197	1.3	0.5	<0.0198	--	--	--	--	--	<0.0209	1.86	0.0209	--
	8/5/2019[3]	--	<0.213	0.391	0.21	<0.0181	0.20 J	0.58 J	0.09	--	0.17 J	0.149	0.8	0.3	<0.0198	--	--	--	--	--	<0.0209	2.03	<0.0209	--
	8/25/2019[1]	<0.22	<2.8	<0.31	0.30	<0.049	0.56 J	<0.069	0.12 J	<0.19	<0.071	<0.040	<0.91	0.5	<0.047	<0.17	<0.11	<0.030	--	<63	--	--	--	--
	9/1/2019[1]	<0.22	<2.9	<0.32	0.46	<0.050	0.39 J	<0.072	0.19	<0.20	<0.074	0.16 J	<0.94 UJ	0.7	<0.049	<0.17	0.14 J	<0.032	--	<66	--	--	--	--
	9/8/2019[1]	<0.31	<1.4	<0.37	0.66	<0.012	<0.54	0.10 J	0.14 J	<0.24	<0.10	<0.062	<0.32	0.4	<0.021	<0.28	<0.049	<0.011	--	<69	--	--	--	--
	9/8/2019[1]	<0.30	<1.3	<0.36	0.41	<0.012	<0.52	0.057 J	0.15	<0.23	<0.096	<0.060	<0.31	0.7	<0.020	<0.26	<0.047	<0.011	--	<66	--	--	--	--
IA6	7/16/2019	0.56 J	<1.4	<0.38	0.88	<0.012	0.73 J	0.21 J	0.40	<0.24	0.44 J	0.068 J	1.9 J	1.6	<0.021	<0.28	<0.049	<0.011	--	--	--	--	--	--
IA-06	8/4/2019[1]	--	<0.213	0.771	0.31	0.0181	0.18 J	0.72 J	0.12	--	0.12 J	0.176 J	3.8 J	0.5	<0.0198	--	--	--	--	--	0.0711	22.1	<0.0209	--
	8/4/2019[2]	--	<0.213	2.76	0.32	0.0181	0.18 J	0.81 J	0.14	--	0.19 J		2.7 J	1.2	<0.0198	--	--	--	--	--	0.0376	8.32	<0.0209	9.82
	8/4/2019[3]	--	<0.213	0.348	0.24	<0.0181	0.22 J	0.66 J	0.10	--	0.18 J	0.210 J	1.7 J	0.4	<0.0198	--	--	--	--	--	<0.0209	4.32	0.0209	--
	8/25/2019[1]	<0.23	<3.0	<0.32	0.26 J	<0.051	0.58 J	<0.073	0.14 J	0.52 J	0.64 J	<0.042	<0.96	0.7	<0.050	<0.18	<0.12	<0.032	--	<67	--	--	--	--
	9/1/2019[1]	<0.22	<2.9	<0.32	0.60	<0.050	1.20 J	<0.072	0.29	<0.20	<0.074	0.054 J	<0.94 UJ	1.8	<0.049	<0.17	0.13 J	<0.032	--	110	--	--	--	--
	9/8/2019[1]	<0.32	<1.4	<0.38	0.29 J	0.013 J	<0.55	0.066 J	0.11 J	<0.24	<0.10	<0.063	<0.33	0.4	<0.022	<0.28	<0.050	<0.011	--	<70	--	--	--	--
IA7	7/16/2019	0.49 J	<1.3	<0.36	0.91	<0.012	0.80 J	0.22 J	0.41	<0.23	0.45 J	0.075 J	2.0 J	1.8	<0.020	<0.26	<0.046	<0.010	--					
IA8	7/30/2019	2.20 J	<0.076	1 J	2.60	<0.084	0.57 J	0.59 J	1.10	--	1.40 J	0.480 J	4.5 J	2.4	<0.028	<0.092	0.013 J	<0.0016	--					
IA08	8/25/2019[1]	<0.22	<2.8	<0.31	0.20 J	<0.049	0.44 J	0.074 J	0.12 J	<0.19	<0.071	0.12 J	1.0 J	0.21 J	<0.047	<0.17	<0.11	<0.030	--	<63	--	--	--	--
	9/1/2019[1]	<0.22	<2.9	<0.31	0.46	<0.050	0.50 J	0.084 J	0.25	<0.20	<0.072	0.21 J	1.2 J	0.5	<0.048	<0.17	0.12 J	<0.031	--	<65	--	--	--	--
	9/8/2019[1]	<0.33	<1.4	<0.40	0.31 J	<0.013	<0.58	0.11 J	0.18	<0.25	0.17 J	0.17 J	1.7 J	0.25 J	<0.022	<0.29	<0.052	<0.012	--	<73	--	--	--	--
IA9	7/30/2019	2.40 J	<0.076	0.62 J	1.10	<0.084	2.10 J	0.21 J	0.58	--	0.63 J	0.085 J	<0.033	1.2	<0.028	<0.092	<0.0055	<0.0016	--					
IA09	8/25/2019[1]	<0.22	<2.9	<0.32	0.41	<0.050	0.66 J	<0.072	0.18	<0.20	<0.074	0.049 J	<0.94	0.4	<0.049	<0.17	<0.12	<0.032	--	<66	--	--	--	--
	9/1/2019[1]	0.58 J	<3.1	<0.34	0.61	<0.054	0.67 J	<0.076	0.30	<0.21	<0.078	0.074 J	<1.0 UJ	0.8	<0.052	<0.18	0.14 J	<0.033	--	<70	--	--	--	--
	9/8/2019[1]	0.33 J	<1.3	<0.36	0.36	<0.012	0.56 J	0.63 J	0.21	<0.23	<0.098	<0.061	<0.32	0.5	<0.021	<0.27	<0.048	<0.011	--	82	--	--	--	--
IA10	8/25/2019[1]	<0.22	<2.8	<0.31	0.29	<0.049	0.99 J	0.16 J	0.14	<0.19	0.91 J	1.300 J	<0.91	0.5	<0.047	<0.17	<0.11	<0.030	--	<63	--	--	--	--
	9/1/2019[1]	<0.21	<2.8	<0.30	0.40	<0.048	0.41 J	<0.068	0.16	<0.19	0.34 J	0.073 J	<0.89 UJ	0.6	<0.046	<0.16	0.12 J	<0.030	--	<62	--	--	--	--
	9/8/2019[1]	<0.33	<1.4	<0.39	0.37	0.016 J	<0.57	0.075 J	0.14 J	<0.25	0.39 J	<0.065	<0.34	0.5	<0.022	<0.29	<0.051	<0.012	--	<72	--	--	--	--

Table 5
Historical Indoor Air Sampling Data
Latitude High School
1045 Derby Avenue
Oakland, California

Sample ID	Screening Level	Heptane	Hexachlorobutadiene	Hexane	m,p-Xylene	Methyl tert-butyl ether	Methylene Chloride	Naphthalene	o-Xylene	Propylbenzene	Styrene	Tetrachloroethene	Tetrahydrofuran	Toluene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene	Vinyl Chloride	Butane	TPHg	ETBE	Ethyl Acetate	TAME	tert-Butanol
	Residential ESL (C):	--	--	--	--	11	1	0.083	--	--	--	0.46	--	--	--	0.18	0.48	0.0095	--	--	--	--	--	--
	Residential ESL (NC):	--	--	--	100	3100	420	3.1	100	--	940	42	--	310	83	21	2.1	100	--	600	--	--	--	--
	Sample Date																							
IA11	8/4/2019[1]	--	<0.213	1.67	0.31	0.0289	0.21 J	0.72 J	0.12	--	0.19 J	0.197 J	0.6 J	2.5	<0.0198	--	--	--	--	--	0.117	10.4	<0.0209	
	8/5/2019[3]	--	<0.213	17	0.28	0.0686	0.24 J	0.77 J	0.12	--	0.24 J	0.102 J	6.7 J	3.1	0.0475	--	--	--	--	--	0.0711	32.7	<0.0209	
	8/25/2019[1]	<0.22	<2.9	<0.32	0.27 J	<0.050	0.54 J	0.091 J	0.12 J	<0.20	<0.074	0.054 J	<0.94	0.4	<0.049	<0.17	<0.12	<0.032	--	<66	--	--	--	--
	9/1/2019[1]	<0.22	<2.8	<0.31	0.50	<0.049	0.46 J	<0.069	0.25	<0.19	<0.071	0.047 J	<0.91 UJ	0.7	<0.047	<0.17	0.12 J	<0.030	--	<63	--	--	--	--
	9/1/2019[1]	<0.23	<3.0	<0.32	0.46	<0.051	0.46 J	<0.073	0.18	<0.20	<0.075	0.046 J	<0.96 UJ	0.7	<0.050	<0.18	0.13 J	<0.032	--	<67	--	--	--	--
	9/8/2019[1]	0.34 J	<1.4	2.3 J	0.59	0.020 J	<0.57	<0.056	0.19	<0.25	0.13 J	<0.065	<0.34	0.5	<0.022	<0.29	<0.051	<0.012	--	<72	--	--	--	--
IA12	8/4/2019[1]	--	<0.213	2.36	0.26	0.0361	0.21 J	0.74 J	0.11	--	0.12 J	0.183 J	2.8 J	4.2	<0.0198	--	--	--	--	--	0.109	8.82	<0.0209	
	8/5/2019[2]	--	<0.213	0.201	0.38	<0.0181	0.19 J	1.73 J	0.15	--	0.21 J		0.3 J	0.4	<0.0198	--	--	--	--	--	<0.0209	1.27	<0.0209	7.12
	8/4/2019[3]	--	<0.213	0.859	0.30	<0.0181	0.22 J	0.83 J	0.11	--	0.32 J	0.129 J	1.6 J	0.8	<0.0198	--	--	--	--	--	<0.0209	14.4	<0.0209	
	8/25/2019[1]	<0.24	<3.2	<0.35	<0.18	0.058 J	0.58 J	<0.078	0.086 J	0.24 J	<0.080	<0.045	<1.0	0.29 J	<0.053	<0.19	<0.13	<0.034	--	<72	--	--	--	--
	8/25/2019[1]	<0.22	<2.8	<0.31	0.16 J	0.055 J	0.88 J	<0.069	0.082 J	0.21 J	0.10 J	0.088 J	<0.91	0.28 J	<0.047	<0.17	<0.11	<0.030	--	<63	--	--	--	--
	9/1/2019[1]	<0.22	<2.9	<0.32	0.36	<0.050	0.60 J	<0.072	0.14 J	<0.20	<0.074	0.12 J	<0.94 UJ	0.5	<0.049	<0.17	0.49	<0.032	--	<66	--	--	--	--
	9/8/2019[1]	<0.32	<1.4	<0.38	0.59	0.044 J	<0.55	0.055 J	0.16	<0.24	<0.10	3.200 J	<0.33	0.27 J	<0.022	<0.28	<0.050	<0.011	--	<70				
Crawl Space																								
CS1	7/16/2019	10	<14	7.9 J	36	<0.13	<5.7	190	13	2.7 J	1.4 J	<0.65	6.9 J	43	<0.22	<2.9	<0.51	<0.12	--	--	--	--	--	--

Notes

All results in micrograms per cubic meter (µg/m^3)
-- = no screening level available
-- = not analyzed/ not detected above laboratory reporting limit
= Concentration exceeds ESL
< = Compound not detected above reporting limit
100 = Regular type indicates compound detected above reporting limit
J = Estimated value that is less than the laboratory reporting limit but equal to or greater than the laboratory method detection limit. UJ = Non-detected compound associated with low bias in the continuing calibration verification standards
< = Not detected at or above laboratory method detection limit
ESL = Environmental Screening Level, SFBRWQCB, 2019 (Rev 2)
(C) = Carcinogenic risk
(NC) = Non-carcinogenic risk
Footnote1 = Sample collected between 8AM and 4PM
Footnote2 = Sample collected between 4PM and 12AM
Footnote3 = Sample collected between 12AM and 8AM

Table 6 - Proposed Sample Location Rationale
Latitude High School
1045 Derby Avenue
Oakland, California

Proposed Sample Location Name	Location Rationale	Proposed Sample Depths (ft bgs)	Proposed Analytical Suite
EC1	Investigate potential impacts near former refueling station and 1,000-gallon UST. Shallow samples for metals analysis are to evaluate exposure to construction workers during future site redevelopment.	1, 2, 3*	**Soil:** metals
		5, 10	**Soil:** TPH, VOCs
		5	**Soil Vapor:** VOCs
EC2	Investigate potential impacts near former transformers (PCBs) and treated lumber storage (cresols) areas. Shallow soil samples for metals analysis to evaluate potential construction worker exposures during future site redevelopment.	1, 2, 3*	**Soil:** metals, PCBs, cresols
		5, 10	**Soil:** TPH, VOCs
		5	**Soil Vapor:** VOCs
EC3	Investigate potential impacts near former refueling station, waste oil storage aera, and the eastern portion of the adjoining building indicated to have been used for spray painting. Shallow soil samples for metals analysis to evaluate potential construction worker exposures during future site redevelopment.	1, 2, 3*	**Soil:** metals
		5, 10	**Soil:** TPH, VOCs
		5	**Soil Vapor:** VOCs
EC4	Investigate potential impacts near former oil/waste oil storage area. Shallow soil samples for metals analysis to evaluate potential construction worker exposures during future site redevelopment.	1, 2, 3*	**Soil:** metals
		5, 10	**Soil:** TPH, VOCs
		5	**Soil Vapor:** VOCs
EC5	Investigate potential impacts near former truck repairs building and former chemical disposal drains. Shallow soil samples for metals analysis to evaluate potential construction worker exposures during future site redevelopment	1, 2, 3*	**Soil:** metals
		5, 10	**Soil:** TPH, VOCs
		5	**Soil Vapor:** VOCs
EC6	Investigate potential impacts near sewer line, stormwater drain and potential 'roadway sump' location (referenced in ACDEH inspection reports). Shallow soil samples for metals analysis to evaluate potential construction worker exposures during future site redevelopment.	1, 2, 3*	**Soil:** metals
		5, 10	**Soil:** TPH, VOCs
		5	**Soil Vapor:** VOCs

Table 6 - Proposed Sample Location Rationale
Latitude High School
1045 Derby Avenue
Oakland, California

Proposed Sample Location Name	Location Rationale	Proposed Sample Depths (ft bgs)	Proposed Analytical Suite
EC-MW1 (groundwater monitoring well)	Investigate potential soil, soil vapor, and groundwater impacts upgradient of the former UST tank hold. Shallow soil samples for metals analysis to evaluate potential construction worker exposures during future site redevelopment.	1, 2, 3*	**Soil:** metals
		5, 10	**Soil:** TPH, VOCs
		5	**Soil Vapor:** VOCs
		15	**Groundwater:** TPH, VOCs, metals (total & dissolved)
EC-MW2 (groundwater monitoring well)	Investigate potential soil, soil vapor, and groundwater impacts downgradient of the former UST tank hold in the vicinity of former groundwater monitoring well MW-3. Shallow soil samples for metals analysis to evaluate potential construction worker exposures during future site redevelopment.	1, 2, 3*	**Soil:** metals
		5,10	**Soil:** TPH, VOCs
		5	**Soil Vapor**: VOCs
		15	**Groundwater:** TPH, VOCs, metals (total & dissolved)
EC-MW3 (groundwater monitoring well)	Investigate potential soil, soil vapor, and groundwater impacts near former vehicle wash area with associated grease sump. and associated sewer lines. Shallow soil samples for metals analysis to evaluate potential construction worker exposures during future site redevelopment.	1, 2, 3*	**Soil:** metals
		5,10	**Soil:** TPH, VOCs
		5	**Soil Vapor**: VOCs
		15	**Groundwater:** TPH, VOCs, metals (total & dissolved)
EC-MW4 (groundwater monitoring well)	Investigate potential soil, soil vapor, and groundwater impacts near the former paint storage area. Shallow soil samples for metals analysis to evaluate potential construction worker exposures during future site redevelopment.	1, 2, 3*	**Soil:** metals
		5,10	**Soil:** TPH, VOCs
		5	**Soil Vapor**: VOCs
		15	**Groundwater:** TPH, VOCs, metals (total & dissolved)

Abbreviations:
ft bgs = feet below ground surface
UST = Underground Storage Tank

Proposed Soil & Groundwater Analytical Methods:
Total Petroleum Hydrocarbons (TPH) by Environment Protection Agency (EPA) Method 8015B
Volatile Organic Compounds (VOCs) by EPA Method 8260B
Metals by EPA Method 6010B/7470A
Lead by EPA Method 7421
Polychlorinated biphenyls (PCBs) by EPA Method 8082
Cresols by EPA Method 8270
*: 3' sample to be held for analysis pending results from upper samples

Proposed Soil Vapor Analytical Methods:
VOCs by EPA Method TO-15

Geosyntec consultants

FIGURES

Legend

Site Location

N

Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

0 500 1,000 2,000 Feet

Site Location Map

Latitude High School,
1112 29th Avenue & 1045 Derby Avenue,
Oakland, California

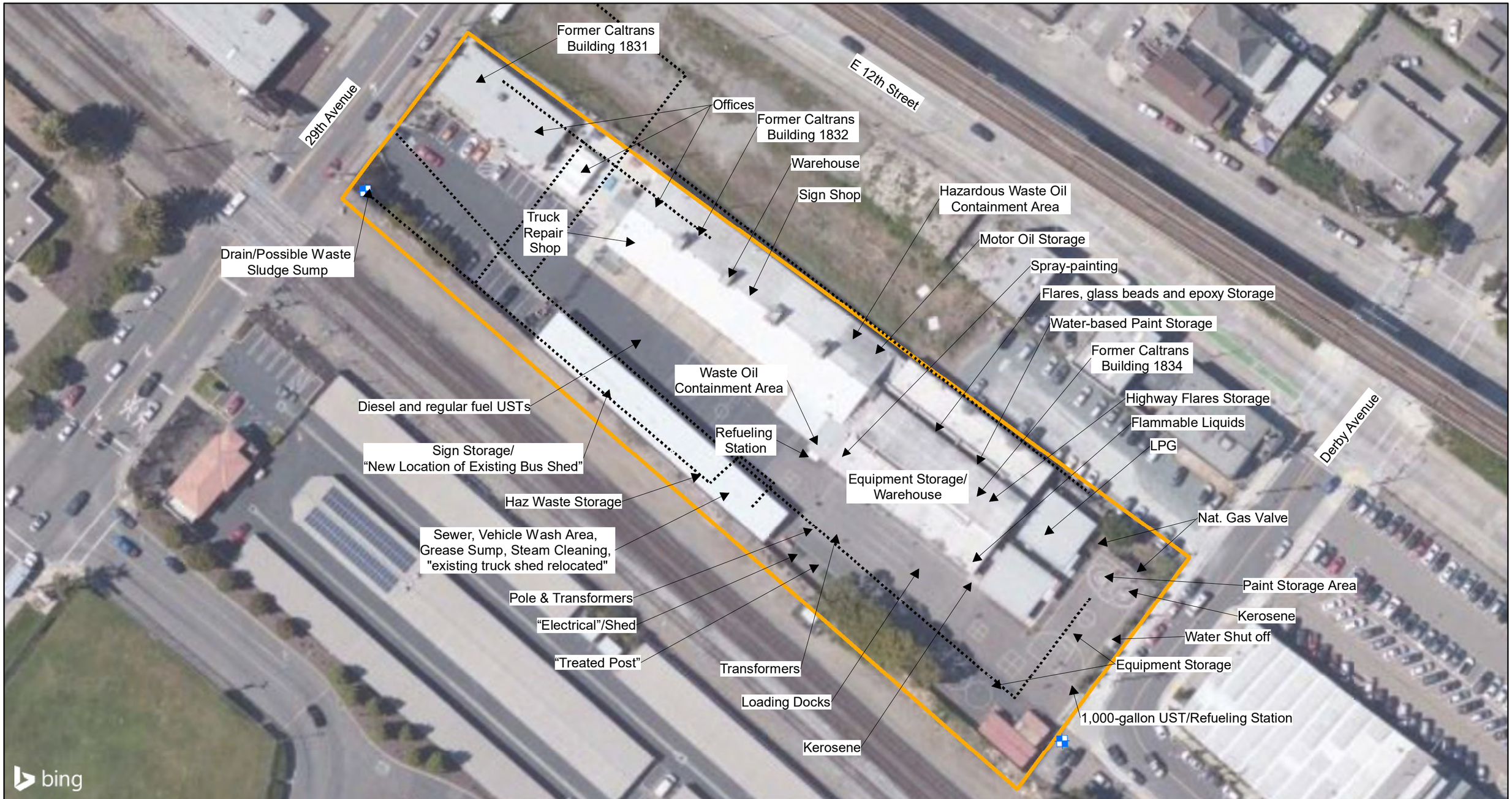
Geosyntec consultants

SB1027-02

November 2020

Figure 1

P:\CAD_GIS\Projects\SB1027-02_Oakland\MXDs\Figure 1 Site Location Map.mxd 11/9/2020 10:30:32 AM



Legend

- Appproximate Site Boundary
- Drain
- Sewer Line

© 2020 Microsoft Corporation © 2020 Maxar
©CNES (2020) Distribution Airbus DS

N

0 50 100 200 Feet

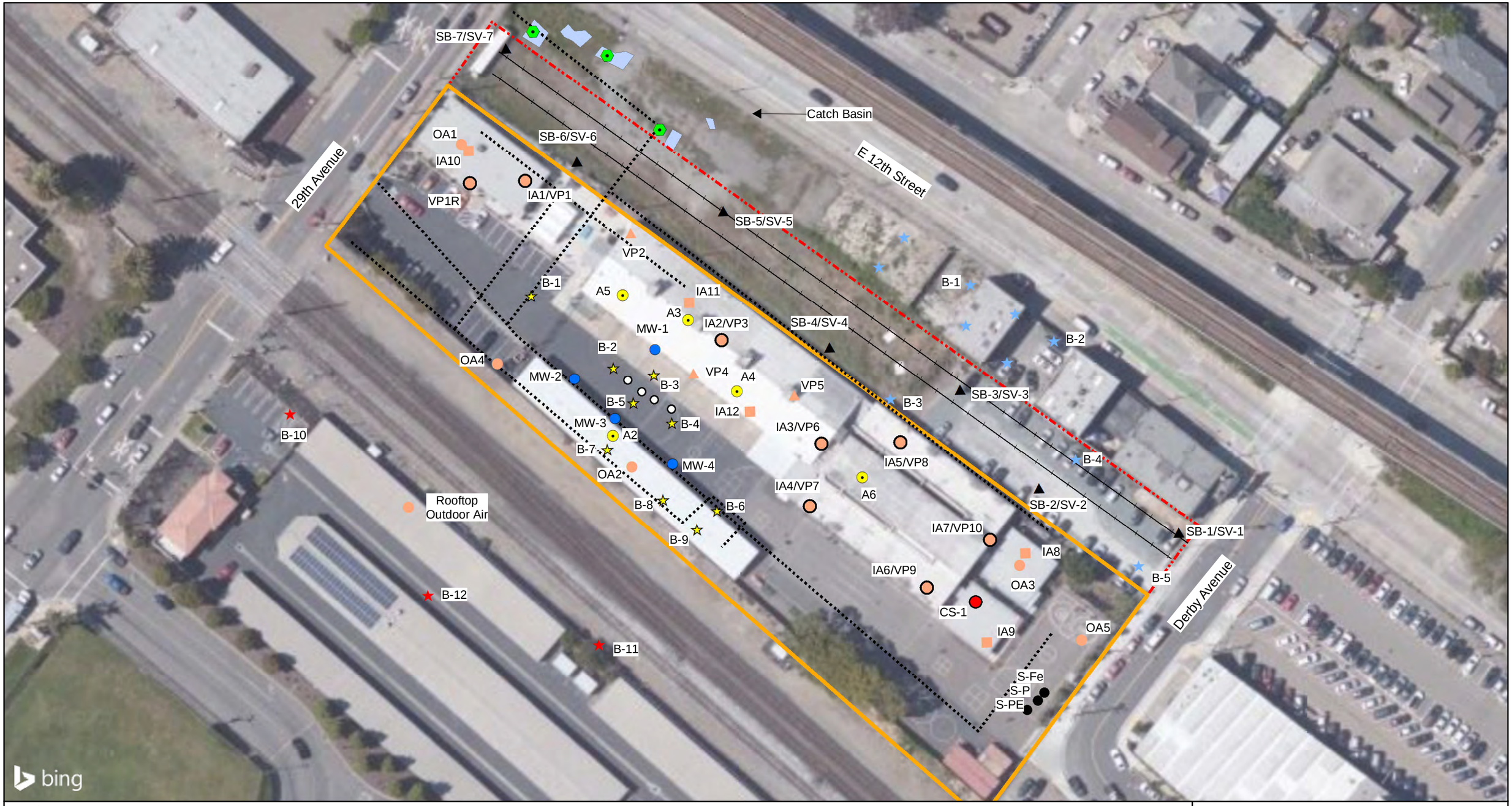
Historical Site Features
Latitude High School,
1112 29th Avenue & 1045 Derby Avenue,
Oakland, California

Geosyntec consultants

SB1027-02 | November 2020

Figure 2

P:\CAD_GIS\Projects\SB1027-02_Oakland\MXDs\Figure 2 Historical Site Features.mxd 11/25/2020 4:50:13 AM



Legend

- Appproximate Site Boundary
- Soil Confirmation Sample - UST Removal (CalTrans, 1993)
- Groundwater well (PSI, 2000)
- Soil Sample (PSI, 2001)
- UST Pit Soil Confirmation Sample (AE Schmidt, 1997)
- Soil & Grab GW Sample for LUST Case (Geocon, 1999)
- Soil Sample (TEC, 1997, 2007)
- Soil & Soil Vapor Sample (ERAS, 2017)
- Sub-Slab Vapor Sample (Geocon, 2019)
- Outdoor Air Sample (Geocon, 2019)
- Indoor Air Sample (Geocon, 2019)
- Co-Located Indoor Air & Sub-Slab Vapor Sample (Geocon, 2019)
- Crawl Space Air Sample (Geocon, 2019)
- Soil Sample (Phase One, Inc, 2002)
- Indoor/Outdoor Air Sample Locations (Geocon 2018)
- Sewer Line
- Former Railway Track
- 29th Street Boundary
- Identified geophysical feature (Phase One, Inc., 2002)

© 2020 Microsoft Corporation © 2020 Maxar
©CNES (2020) Distribution Airbus DS

N

0 50 100 200 Feet

Former Sample Locations

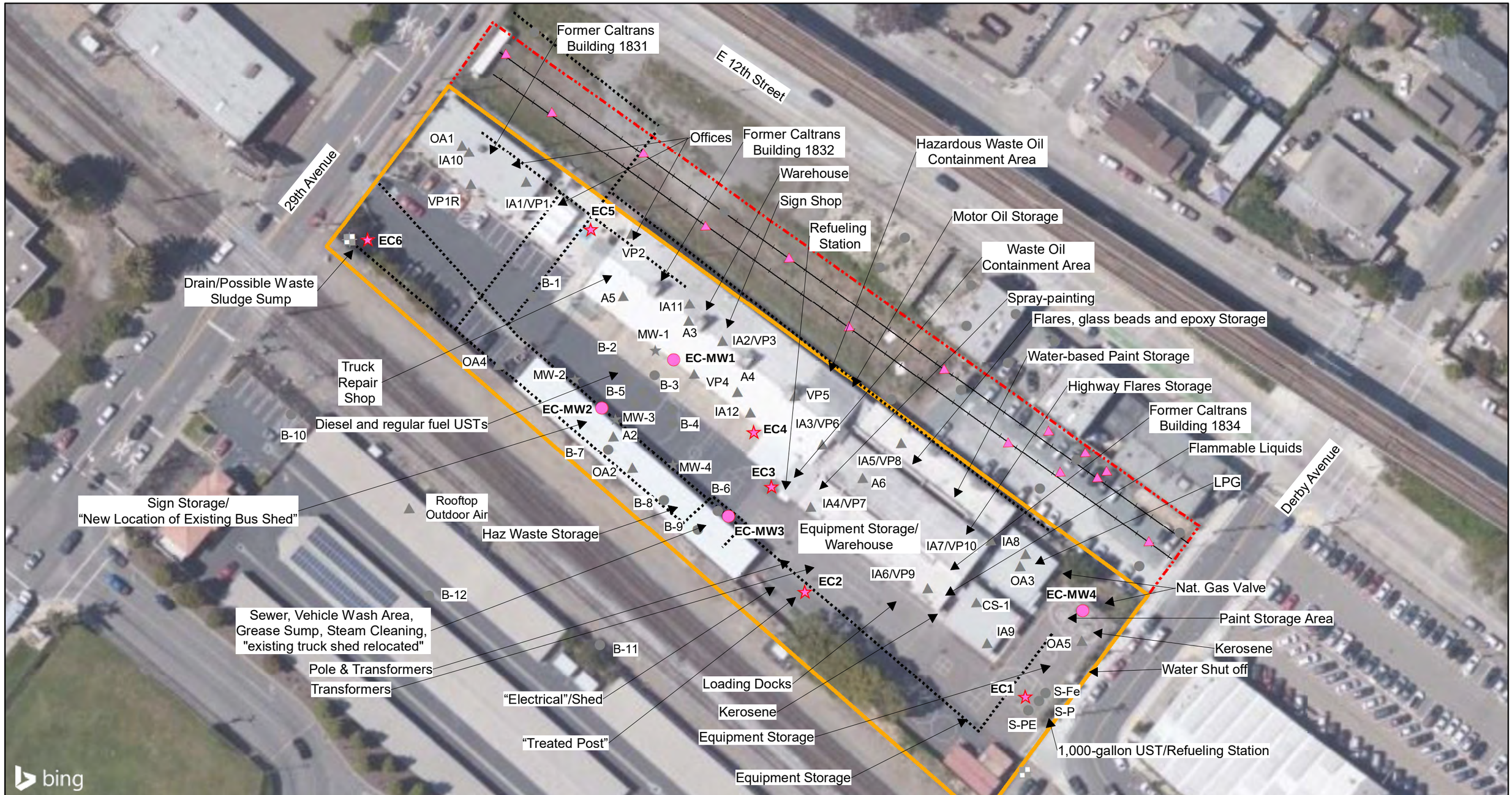
Latitude High School,
1112 29th Avenue & 1045 Derby Avenue,
Oakland, California

Geosyntec consultants

SB1027-02 | November 2020

Figure 3

P:\CAD_GIS\Projects\SB1027-02_Oakland\MXDs\Figure 3 Historical Sample Locations.mxd 11/25/2020 5:02:01 AM



Legend

- Appproximate Site Boundary
- Proposed Soil Sample (Apex, 2020)
- Proposed Soil Boring & Groundwater Monitoring Well Location (Geosyntec, 2020)
- Proposed Soil Boring Location (Geosyntec, 2020)
- Historical Soil Sample Location
- Historical Groundwater Sample Location
- Historical Air/Vapor Sample Location
- Drain
- Former Railway Track
- 29th Street Boundary
- Sewer Line

© 2020 Microsoft Corporation © 2020 Maxar ©CNES (2020) Distribution Airbus DS

N

0 50 100 200 Feet

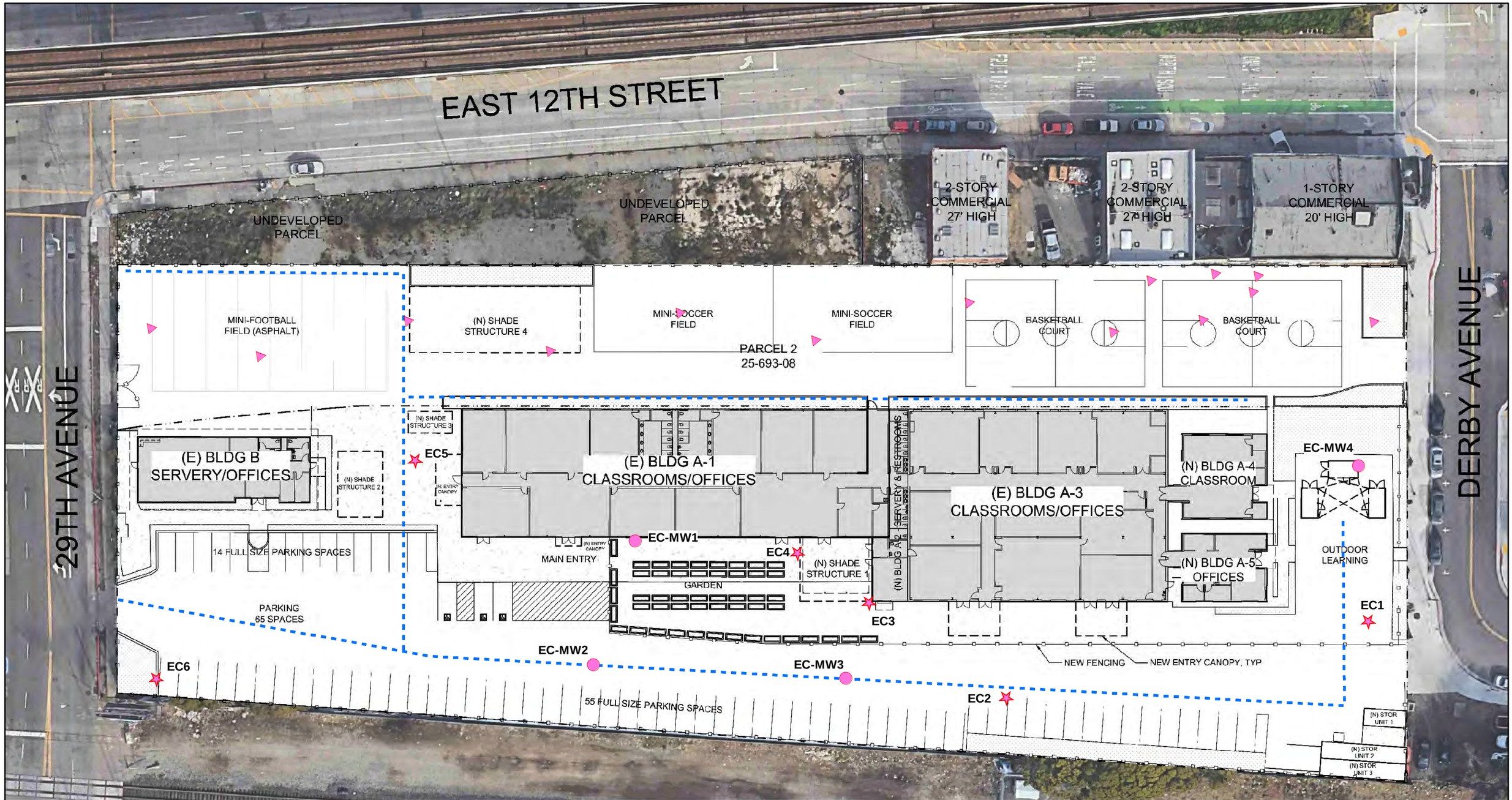
Proposed Sample Locations
Latitude High School,
1112 29th Avenue & 1045 Derby Avenue,
Oakland, California

Geosyntec consultants

SB1027-02 | November 2020

Figure 4

P:\CAD_GIS\Projects\SB1027-02_Oakland\MXDs\Figure 4 Proposed Sample Locations.mxd 11/25/2020 5:06:33 AM



Legend

- Proposed Soil Sample (Apex, 2020)
- Proposed Soil Boring & Groundwater Monitoring Well Location (Geosyntec, 2020)
- Proposed Soil Boring Location (Geosyntec, 2020)
- Proposed Storm Drain Layout in Site Master Plan

N

0 50 100 200 Feet

Proposed Sample Locations on Proposed Site Layout

Latitude High School,
1112 29th Avenue & 1045 Derby Avenue,
Oakland, California

Geosyntec consultants

Figure 5

SB1027-02 | November 2020

P:\CAD_GIS\Projects\SB1027-02_Oakland\MXDs\Figure 5 Proposed Sample Locations Site Layout.mxd 11/23/2020 12:23:34 PM

APPENDIX A

SITE DEVELOPMENT PLANS

Education *for* Change
Public Schools

Project Description-1045 Derby Street, Latitude High School

Introduction

The Education for Change (EFC) Charter School Project (Project) is seeking approval of a Planned Unit Development (PUD) permit or other appropriate discretionary approvals from the City of Oakland to construct and operate a charter high school on a former Caltrans maintenance facility site located at 1045 Derby Avenue (APN 25-693-7-2), and on a mostly-vacant adjacent parcel to the north identified as 0 29th Avenue (APN 25-693-8). The buildings on the former Caltrans site are to be converted for academic and administrative purposes. The school would use the adjacent parcel for, outdoor activities (e.g., basketball, soccer) and as a site for a potential future gymnasium or multi-purpose facility.

The charter school began operating at the site in August 2014 as Epic Middle School but without having gone through the City's land use or building permit processes at that time. Since the end of the school year in the summer of 2019, school operations have been suspended and all buildings on the site are vacant. Latitude High School, an Education for Change school, currently operates grade levels 9 and 10 on a temporary basis at Merritt College. EFC is applying to legalize the building improvements that were completed in 2014 and to legalize their operation under the terms of a PUD permit or other appropriate approval as a Community Education Civic Activity, as required for a school to operate on a site zoned for industrial use (M-30). A General Plan Amendment and/or rezoning may also be requested or required. The proposal would include a high school only, and would accommodate grades 9-12 with enrollment of up to 100 students per grade, or a total of 400 students.

Project Site

The project site consists of two adjacent parcels. The northerly of the two parcels (at 0 29th Avenue, shown in red) has been acquired by EFC. The other parcel (at 1045 Derby Avenue, outlined in green), is leased by EFC from the California Department of Transportation (Caltrans), which used the site and its buildings as a storage and maintenance facility from 1921 to 2010. EFC intends to acquire this parcel once Caltrans declares it as "surplus" and completes the disposition process.

The high school would utilize the 6 existing buildings located on the Derby parcel.

Some of the buildings date back to 1921 and others to the 1950s. Caltrans storage, maintenance and administrative functions operated out of Buildings A-1, A-3, and B (totaling 25,516 sf) prior to the school use. Buildings A-2, A-4, and A-5 (totaling 3,902 sf) were added as part of the conversion of the Caltrans facility to school use in 2014. The current buildings, totaling 29,418 SF, contain 23 classrooms, administrative offices, a servery, restrooms and three storage units.

These existing buildings are to be used as follows:

Building	Proposed Use	SF
Building A-1	12 classrooms, restrooms	12,367 SF
Building A-2	Restrooms, storage	1,026 SF
Building A-3	10 classrooms	10,800 SF
Building A-4	1 classroom	1,598 SF
Building A-5	Administration and student support offices	1,288 SF
Building B	Servery, administration offices, restrooms	2,511 SF
Storage Unit 1	Storage	160 SF
Storage Unit 2	Storage	320 SF
Storage Unit 3	Storage	320 SF

The Derby parcel contains 65 parking spaces that are marked on a paved area that runs along the southerly portion of the parcel, from Derby to 29th Avenue. This paved areas has also been used for outdoor learning, PE and recess activities, and contains small shade structures used by students for as a place to eat snacks and meals. The 29th Avenue is generally unimproved with the exception of an approximately 12,000 square-foot paved are near Derby Avenue, informally striped for parking.

Campus Master Plan Phases

Implementation of the EFC site development program would occur in two phases. The phases are:

- *Phase 1:* seismic upgrades to the existing buildings on the Derby parcel, and installation of recreational space on the adjacent and mostly vacant north parcel.
- Once the leased parcel has been acquired by EFC from Caltrans, the two lots would be merged under EFC ownership.
- *Phase 2:* construction of a new multi-purpose building

Construction of Phase 1 work is estimated to take 3-6 months. EFC is currently working with a benefactor to raise sufficient funding for Phase 2 work, which is estimated to occur at about 1 to 2 years after completion of Phase 1. This schedule is an estimate, and actual timing will depend on how long it takes to raise the funds

Phase 1 Project Summary

The existing buildings on the Derby parcel were previously reconfigured to be used for school functions. The work necessary to obtain approval for continued use of these buildings as a school primarily involves seismic upgrades to these existing buildings. Phase 1 will also involve removal of shade structure along the southerly portion of the Derby parcel, providing for a more clearly demarcated fire access lane, striping for a total of 69 parking spaces, and landscaping.

The undeveloped 29th Avenue parcel will be improved for outdoor physical education activities including basketball courts, a mini-soccer and mini-football field, and a shade structure for dining. The informal parking area will no longer be striped for general parking use. This area will provide space for students to eat meals and for outdoor physical education, where exposure to noise and diesel emissions from the Union Pacific Railroad tracks on the south side of the project site will be reduced.

Site Plan for Phase 1

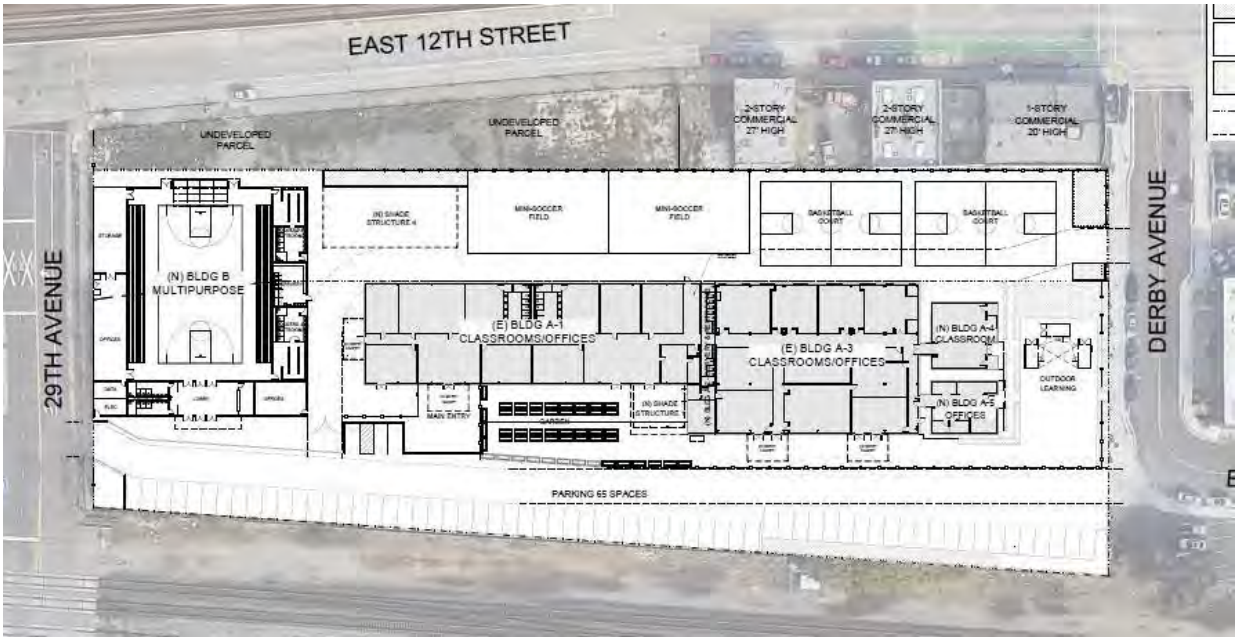
Phase 2 Project Summary

In Phase 2, and after the two parcels have been merged into one ownership, the existing Building B on the Derby parcel would be demolished, and the westerly portions of both the Derby parcel and the 29th Avenue parcel would be developed with an approximately 17,500 square-foot multi-purpose building containing a multi-purpose room, locker rooms, restrooms, offices, a lobby and a servery that would replace the servery currently located in Building B.

The proposed multi-purpose building will feature:

- regulation-size basketball and volleyball courts
- a servery to provide warm meals to students
- restrooms and locker rooms
- storage and office space

While primarily focusing on providing lunch, physical education (PE), graduation and after school program space, the multi-purpose building may be used from time to time as a gathering place for the entire school community. This would allow EFC to bring all of its families together in one facility for school assemblies, celebrations, guest speakers and more. The multi-purpose building would not require additional academic or administrative staffing or add students. It would be an indoor space allowing PE and other activities that otherwise use outdoor space, to happen indoors. The multi-purpose building would also add flexibility for day-to-day academic programming.



Phase 2 Site Plan

Proposed Operations

The school would operate from mid-August to early June with no summer school program. Teachers would start 1 to 2 weeks before the students arrive in early August. Teachers are not on-site after the last day of school.

The typical school day would run from 8:20 am to 3:20 pm, except for minimum days on Wednesdays which would run from 8:20 am to 1:30 pm. Approximately 75% of students would participate in the breakfast program before school which would operate from 7:40 to 8:20 am.

During specified hours (8:00 to 8:20 a. m. and 3:20-3:40 p. m.), vehicles would be routed through the leased site from Derby Avenue to 29th Avenue for on-site drop-off and pick-up (see below). At all other operating hours, the gates would remain closed so that the outdoor space could be used for PE and recess. EFC proposes that all outdoor activities including PE and recess would occur on the adjacent north parcel.

Students would be allowed to walk onto the site as early as 7:40 a.m. and be buzzed in. Students participating in the breakfast program would get breakfast in Building A-2 (the servery) and eat in classrooms. The addition of the multi-purpose building in Phase 2 would not change this procedure.

The school has one school-wide nutrition break at 11:00 a.m. for ten minutes and one school-wide lunch from 1:00 - 1:30 p.m.

Approximately 100 students would participate in the after school program that runs until 6:00 p.m. A few academic partners come in to teach at the after school program (up to 3 external staff at full enrollment), and a few are taught by school staff (up to 6 members of school staff at full enrollment). Typically, 60% of staff leave the site by 4:30 p.m. The basketball courts and athletic facilities on the north parcel would be used as part of the after school program.

In 11th and 12th grades, students may be off-site for up to two full days per week for internships or college classes. They would travel to and from campus via bus, BART or on foot.

A typical day would follow the schedule presented below:

Beginning Time	Ending Time	Approximate # Staff	Approximate # Students
7:00 a .m.	7:40 a.m.	5	0
7:40 a.m.	8:20 a.m.	29	300
8:20 a.m.	3:20 p.m.	29	400
3:20 p.m.	4:00 p.m.	29	100
4:00 p.m.	6:00 p.m.	10	100
6:00 p.m.	8:00 p.m.	1	0

Special events that would occur during the school year would include the following:

Event	Frequency	# of Attendees	Time (weeknight unless otherwise specified)
Back to School Night	1 time/ year	200	5:00-6:30 pm
Program Reviews for Parents	2 times/ year	100	6:00-7:30 pm
Festivals / Outreach Events	2 times/ year	100	12:00-3:00 pm on Saturdays
School Dances	3 times/ year	300	6:00-7:30 pm
Family Leadership Council Meetings	1 time/ 1 time per month	50	5:00-6:30 pm
Project Exhibitions	2 times/ year	100/event, over 4 days	5:00 to7:00 pm
When available, the Phase 2 Multi-Purpose facility would allow the additional events			
Athletic Games (Basketball, Volleyball	Once/week	100	6:30 – 7:30 pm
School Assemblies	2 time/year	400	4:00 - 5:00 pm
Family Sports Events	4 times/ year	50	5:30 – 6:30 pm

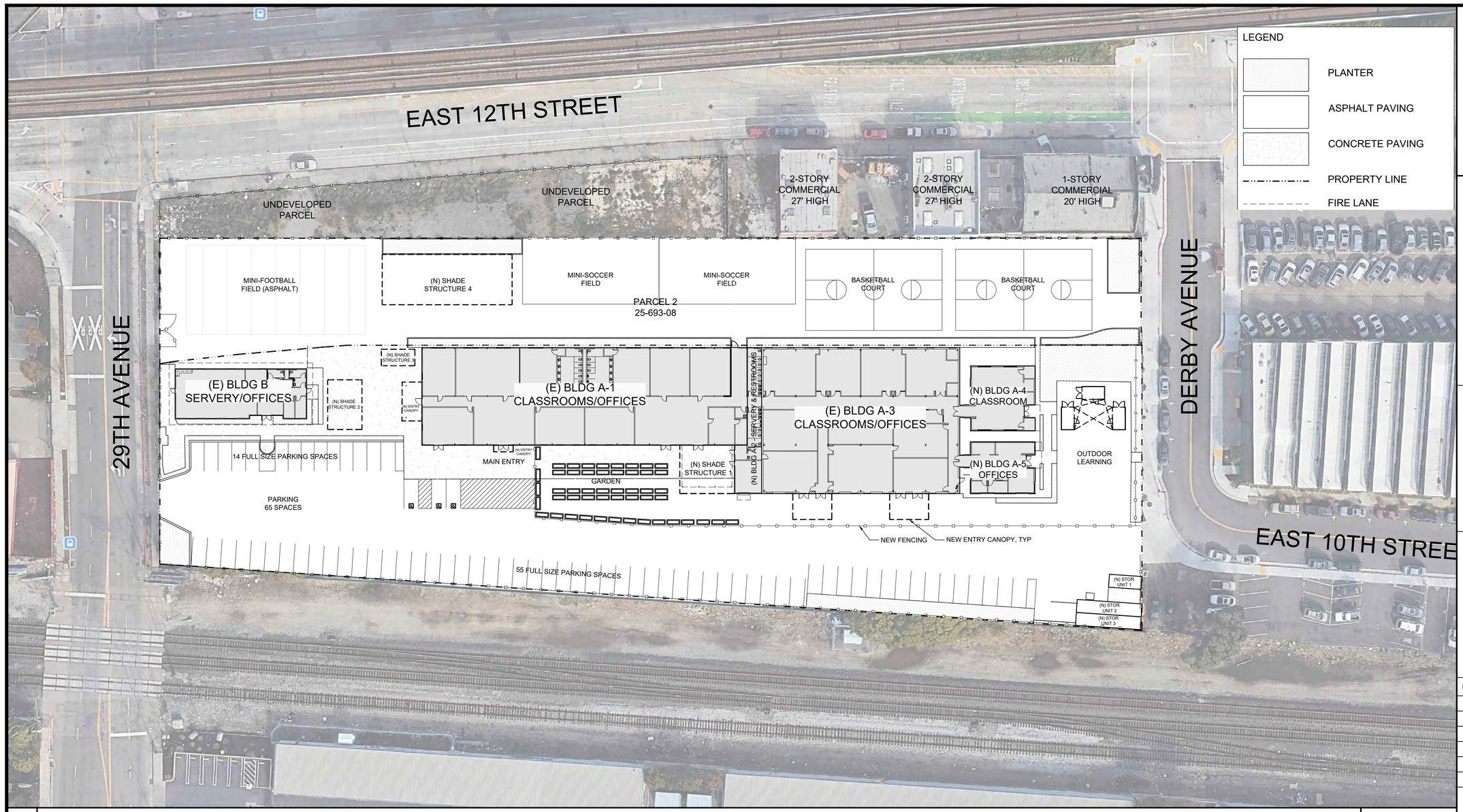
Projected EFC staffing levels as Full Time Equivalent personnel (FTE), by job classification and at full enrollment of 400 students, is as follows:

- Principal (1)
- Assistant Principal (1)
- Classroom Teachers, core subjects (19)
- Classroom Teachers for RSP and ELD (2)
- Community Partnership Coordinator (1)
- College Advisor (1)
- Social Emotional Learning and RJ Lead (1)
- School Operations Staff (3)
- After School Program Staff, external (3)
- If and when built, the multi-purpose facility will require an additional 0.5 FTE for janitorial services

Total FTEs = 32, or 32.5 once the multi-purpose facility is in operation

Project Objectives

- To redevelop an underutilized site into a state of the art learning facility with recreational spaces for youth desperately needed in the lower Fruitvale area.
- To provide a state of the art learning environment that allows flexibility, inclusiveness and collaboration for EFC students from one of Oakland's many underserved areas. This space will allow EFC the ability to adapt to changing curriculum and trends to better prepare Oakland students for success.
- To provide a seamless transition for EFC's students from Lazear Middle School to Latitude High School. The close proximity provides opportunities for students to maintain the value of building relationships with friends as they continue to collaborate in achieving their educational goals and becoming strong members of the community.



LEGEND

- PLANTER
- ASPHALT PAVING
- CONCRETE PAVING
- PROPERTY LINE
- FIRE LANE

18 PROPOSED SITE PLAN — 1" = 30'

(E) BLDG A-1	12,367 SF
(N) BLDG A-2	1,026 SF
(E) BLDG A-3	10,800 SF
(N) BLDG A-4	1,598 SF
(N) BLDG A-5	1,288 SF
(E) BLDG B	2,511 SF
(N) OUTDOOR LEARNING	336 SF
(N) SHADE STRUCT 1	1,000 SF
(N) SHADE STRUCT 2	645 SF
(N) SHADE STRUCT 3	210 SF
(N) SHADE STRUCT 4	2,755 SF
(N) STOR UNIT 1	160 SF
(N) STOR UNIT 2	320 SF
(N) STOR UNIT 3	320 SF
TOTAL SF	35,000 SF

17 — 13 BLDG AREA SUMMARY

FULL SIZE SPACES	62
ADA SPACES	3
TOTAL PARKING	65

9 PARKING SUMMARY

BLDG FOOTPRINTS	35,000 SF
PARKING PARCEL 1	33,000 SF
OPEN SPACE PCL 1	20,186 SF
OPEN SPACE PCL 2	36,689 SF
PLANTERS PCL 1	5,117 SF
PLANTERS PCL 2	3,765 SF
TOTAL AREA	133,757 SF

5 SITE AREA SUMMARY

1. GATES OPEN DURING PICK UP & DROP OFF
2. 6 FOOT HIGH CHAIN LINK FENCE
3. PLANTER
4. ASPHALT PAVING
5. CONCRETE PAVING
6. PEDESTRIAN ACCESS GATE
7. LONG TERM BIKE STORAGE - 23 BIKES TOTAL
8. 8' X 20' STORAGE CONTAINER
9. 8' X 40' STORAGE CONTAINER
10. SHORT TERM BIKE RACKS - 20 BIKES TOTAL
11. 8'-0" HIGH ORNAMENTAL IRON FENCING, TYP
12. RECYLING COLLECTION AREA (5' X 4' X 3' = 60 CF)

1 KEY NOTES

ARTIK
ART & ARCHITECTURE
394-A Umbarger Rd
San Jose, CA 95111
Phone 408.224.9890
Fax 408.224.9891
www.ArtikA3.com

Key Plan

Project Title

LATITUDE HIGH SCHOOL PLANNED UNIT DEV'T PERMIT

1045 DERBY AVE & 0 29TH AVE
OAKLAND CA 94601

EDUCATION FOR CHANGE PUBLIC SCHOOLS

No	Revisions/Submissions	Date
	PUD SUBMITTAL	07.23.20

Drawing Title

PROPOSED SITE PLAN

Regulatory Agency Approval

Architect Seal

LICENSED ARCHITECT
MARTIN HOCHROTH
No. C-22312
REN. 3-31-21
STATE OF CALIFORNIA

File Number

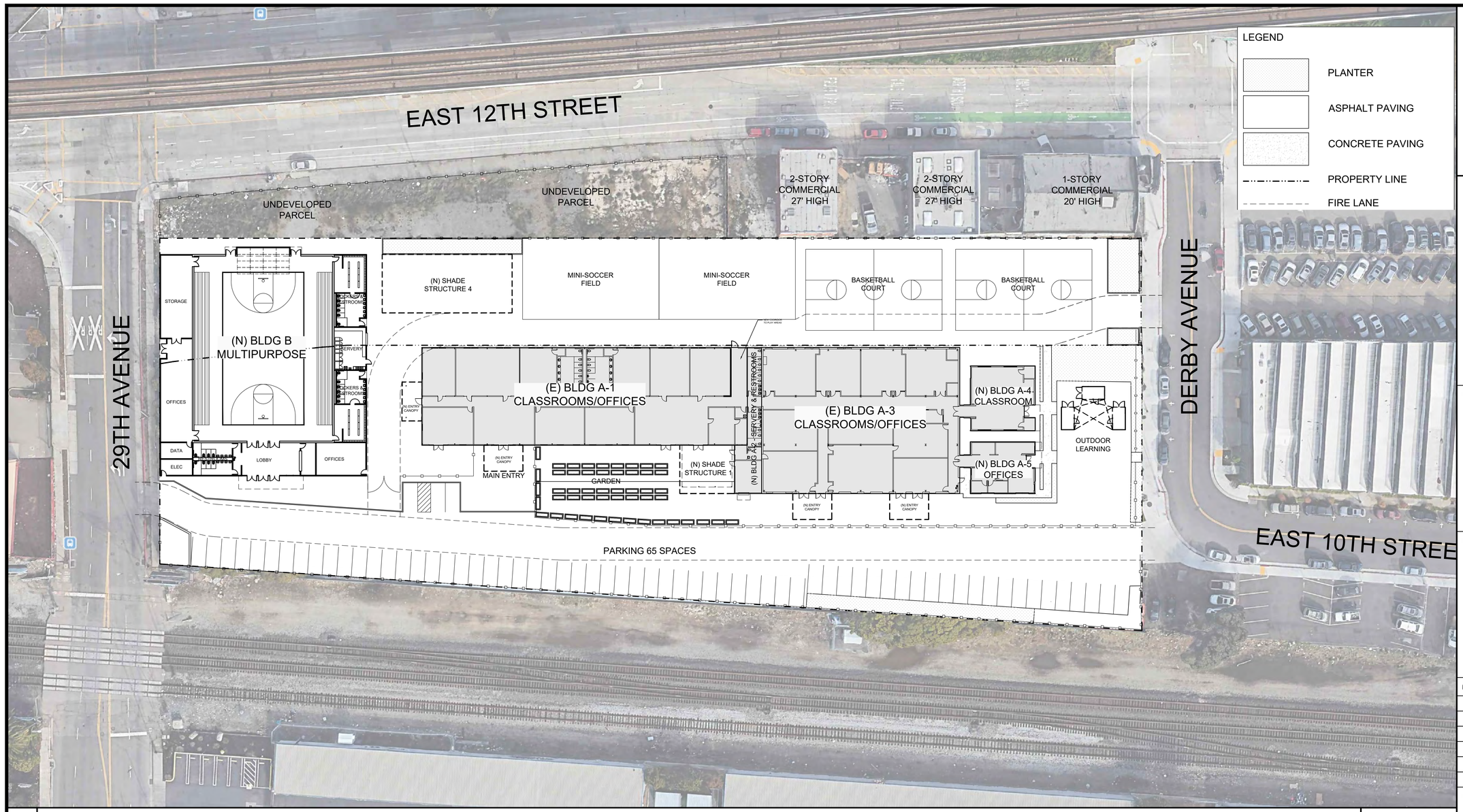
Application Number

Project No. 172059

Drawing No

A2.1

If this sheet is not 24" x 36" it is a reduced print - scale accordingly



18 PROPOSED SITE PLAN — 1" = 30'

(E) BLDG A-1	12,367 SF
(N) BLDG A-2	1,026 SF
(E) BLDG A-3	10,800 SF
(N) BLDG A-4	1,598 SF
(N) BLDG A-5	1,288 SF
(N) GYMNASIUM	17,500 SF
(N) SHADE STRUCT 1	1,000 SF
(N) SHADE STRUCT 4	2,880 SF
TOTAL SF	48,795 SF

13 BLDG AREA SUMMARY

FULL SIZE SPACES	62
ADA SPACES	3
TOTAL PARKING	65

9 PARKING SUMMARY

BLDG FOOTPRINTS	48,795 SF
PARKING PARCEL 1	27,580 SF
OPEN SPACE PARCEL 1	11,811 SF
OPEN SPACE PARCEL 2	38,791 SF
PLANTERS PARCEL 1	5,117 SF
PLANTERS PARCEL 2	1,663 SF
TOTAL AREA	133,757 SF

5 SITE AREA SUMMARY

1. GATES OPEN DURING PICK UP & DROP OFF
2. 6 FOOT HIGH CHAIN LINK FENCE
3. PLANTER
4. ASPHALT PAVING
5. CONCRETE PAVING
6. PEDESTRIAN ACCESS GATE
7. LONG TERM BIKE STORAGE - 23 BIKES TOTAL
8. 8' X 20' STORAGE CONTAINER
9. 8' X 40' STORAGE CONTAINER
10. SHORT TERM BIKE RACKS - 20 BIKES TOTAL
11. 8'-0" HIGH ORNAMENTAL IRON FENCING, TYP
12. RECYLING COLLECTION AREA (5' X 4' X 3' = 60 CF)

1 KEY NOTES

17

ARTiK
ART & ARCHITECTURE
394-A Umbarger Rd
San Jose, CA 95111
Phone 408.224.9890
Fax 408.224.9891
www.ArtikA3.com

If this sheet is not 24" x 36" it is a reduced print - scale accordingly

Key Plan

Project Title

LATITUDE HIGH SCHOOL PLANNED UNIT DEV'T PERMIT

1045 DERBY AVE & 0 29TH AVE
OAKLAND CA 94601

EDUCATION FOR CHANGE PUBLIC SCHOOLS

No	Revisions/Submissions	Date
	PUD SUBMITTAL	07.23.20

Drawing Title

PROPOSED SITE PLAN MASTER PLAN

Regulatory Agency Approval

Architect Seal

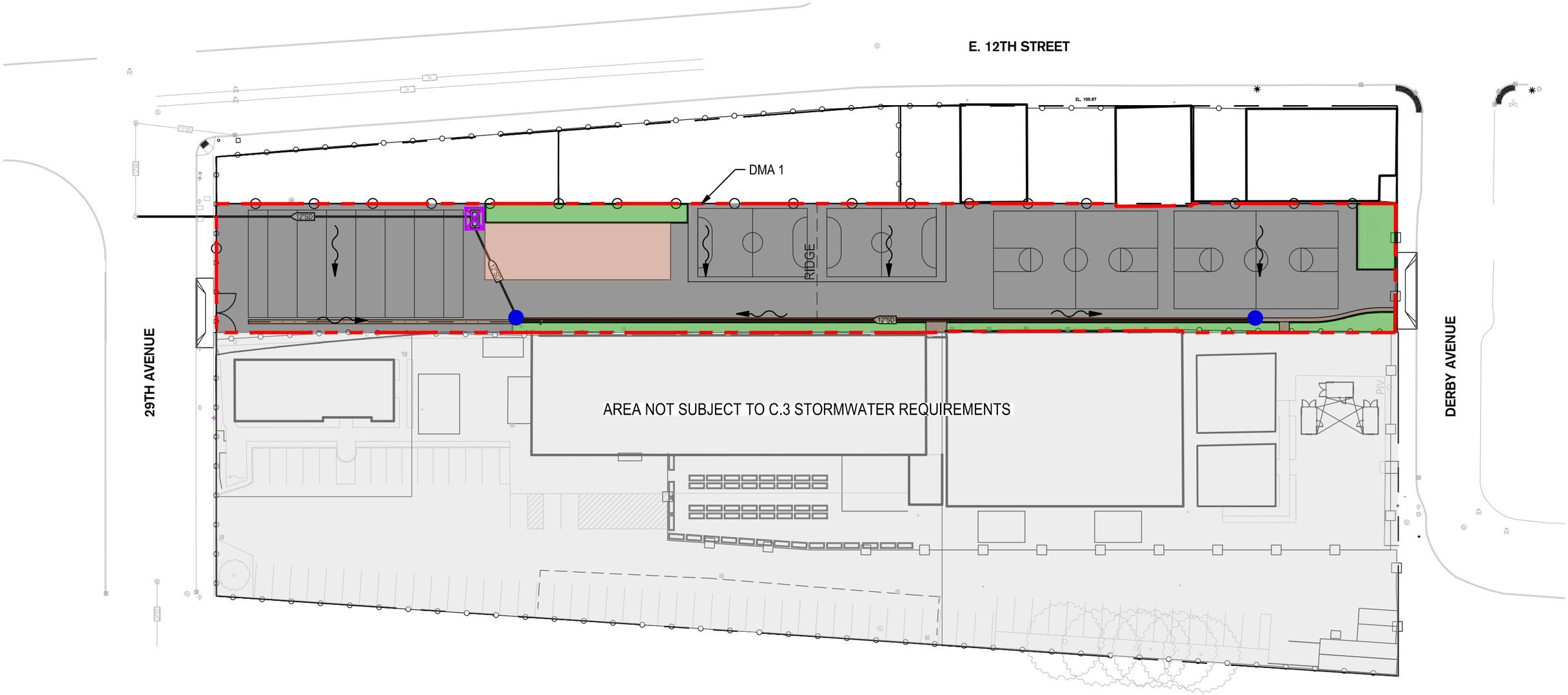
LICENSED ARCHITECT
MARTIN HOCHROTH
No. C-22312
REN. 3-31-21
STATE OF CALIFORNIA

File Number

Application Number

Project No.
172059

Drawing No
A2.1A



POST-PROJECT DRAINAGE MANAGEMENT AREA				
SITE ELEMENT	RUNOFF COEFFICIENT	AREA (SF)	FRACTION OF TOTAL AREA	WEIGHTED RUNOFF COEFF.
LANDSCAPE	0.25	3,765	0.0949	0.0237
ASPHALT / CONCRETE	0.95	33,139	0.8356	0.7978
ROOF	0.95	2,755	0.0695	0.0660
TOTAL		39,659	1.0000	0.8875

LEGEND

- ASPHALT
- CONCRETE
- ROOF
- LANDSCAPE
- AREA NOT PART OF C.3 REQUIREMENTS
- STORMWATER BOUNDARY AND DMA 1
- PROPOSED DRAIN INLET WITH "NO DUMPING! FLOWS TO BAY" SIGNAGE
- PROPOSED MEDIA FILTER WITH "NO DUMPING! FLOWS TO BAY" SIGNAGE
- FLOW DIRECTION

0' 25' 50' 100'

SCALE: 1"=50'

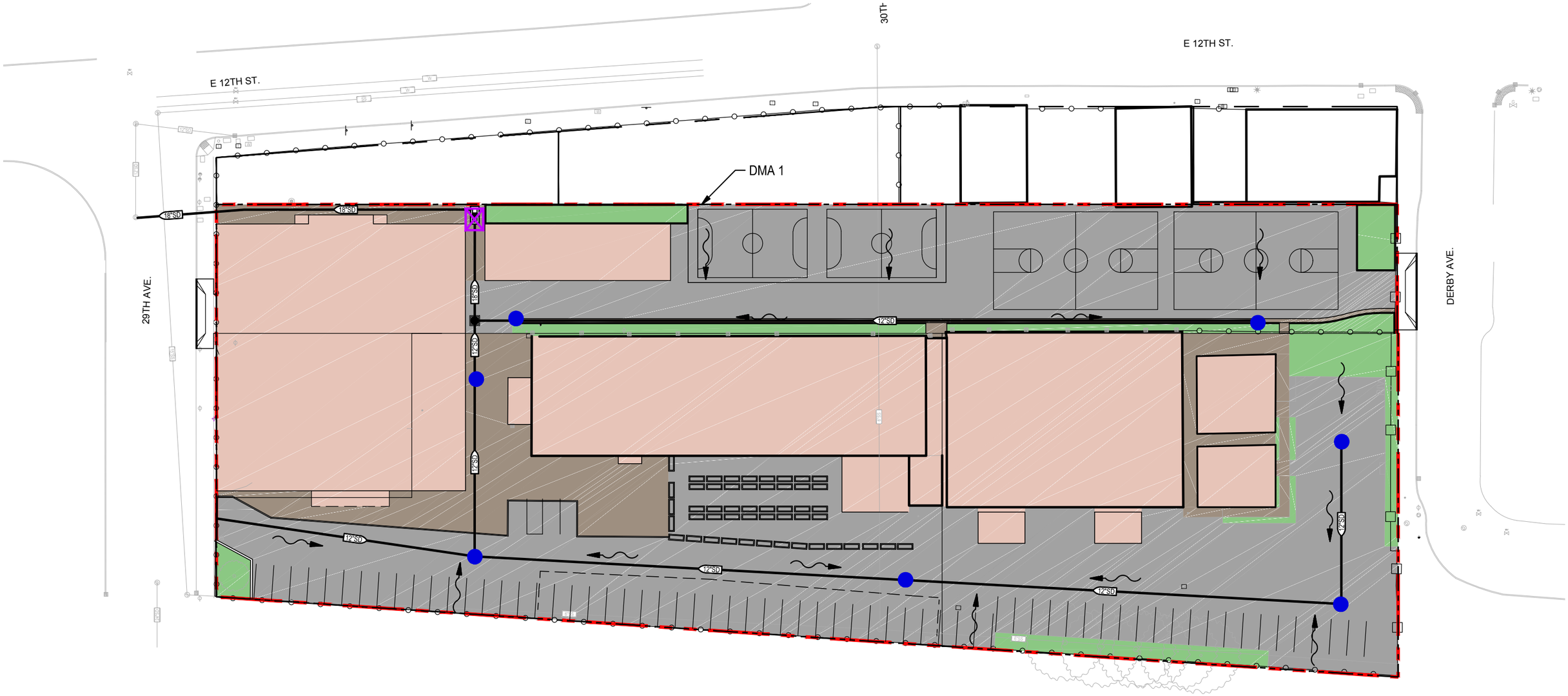
LATITUDE HIGH SCHOOL

POST CONSTRUCTION STORMWATER EXHIBIT

PHASE 1

OAKLAND, CALIFORNIA

SIEGFRIED



POST-PROJECT DRAINAGE MANAGEMENT AREA				
SITE ELEMENT	RUNOFF COEFFICIENT	AREA (SF)	FRACTION OF TOTAL AREA	WEIGHTED RUNOFF COEFF.
LANDSCAPE	0.25	7,838	0.0586	0.0147
ASPHALT / CONCRETE	0.95	75,609	0.5653	0.5370
ROOF	0.95	50,306	0.3761	0.3573
TOTAL		133,753	1.0000	0.9090

LEGEND

- ASPHALT
- CONCRETE
- ROOF
- LANDSCAPE
- STORMWATER BOUNDARY AND DMA 1
- PROPOSED DRAIN INLET WITH "NO DUMPING! FLOWS TO BAY" SIGNAGE
- PROPOSED MEDIA FILTER WITH "NO DUMPING! FLOWS TO BAY" SIGNAGE
- FLOW DIRECTION
- PROPOSED MAINTENANCE HOLE

LATITUDE HIGH SCHOOL

POST CONSTRUCTION STORMWATER EXHIBIT

OAKLAND, CALIFORNIA

MASTER PLAN

SIEGFRIED

Geosyntec consultants

APPENDIX B

ENVIRONMENTAL REVIEW & SUPPORTING DOCUMENTATION

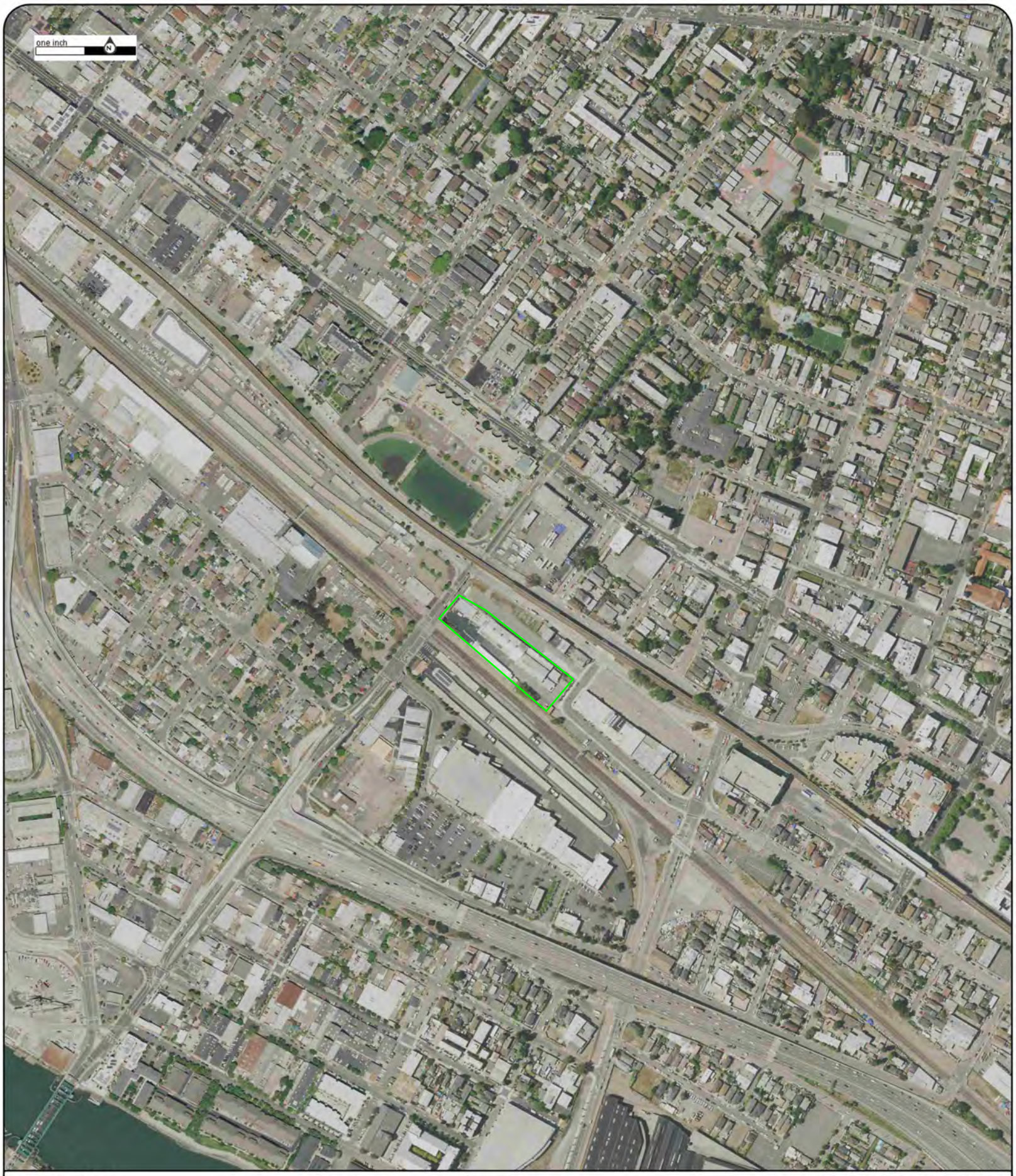
ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

HISTORICAL AERIALS

Project Property:	SB1027 Latitude High School Latitude HS Oakland CA
Requested By:	Geosyntec Consultants
Order No:	20301300362
Data Completed:	October 14,2020

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

Date	Source	Source Scale	Comments
2020	National Agriculture Information Program	1" to 500'	
2018	National Agriculture Information Program	1" to 500'	
2016	National Agriculture Information Program	1" to 500'	
2014	National Agriculture Information Program	1" to 500'	
2012	National Agriculture Information Program	1" to 500'	
2010	National Agriculture Information Program	1" to 500'	
2009	National Agriculture Information Program	1" to 500'	
2005	National Agriculture Information Program	1" to 500'	
2003	National Agriculture Information Program	1" to 500'	
1993	US Geological Survey	1" to 500'	
1982	National High Altitude Photography	1" to 500'	
1974	US Geological Survey	1" to 500'	
1968	US Geological Survey	1" to 500'	
1965	Agriculture and Soil Conservation Service	1" to 500'	
1958	US Geological Survey	1" to 500'	
1946	Agriculture and Soil Conservation Service	1" to 500'	
1939	Agriculture and Soil Conservation Service	1" to 500'	

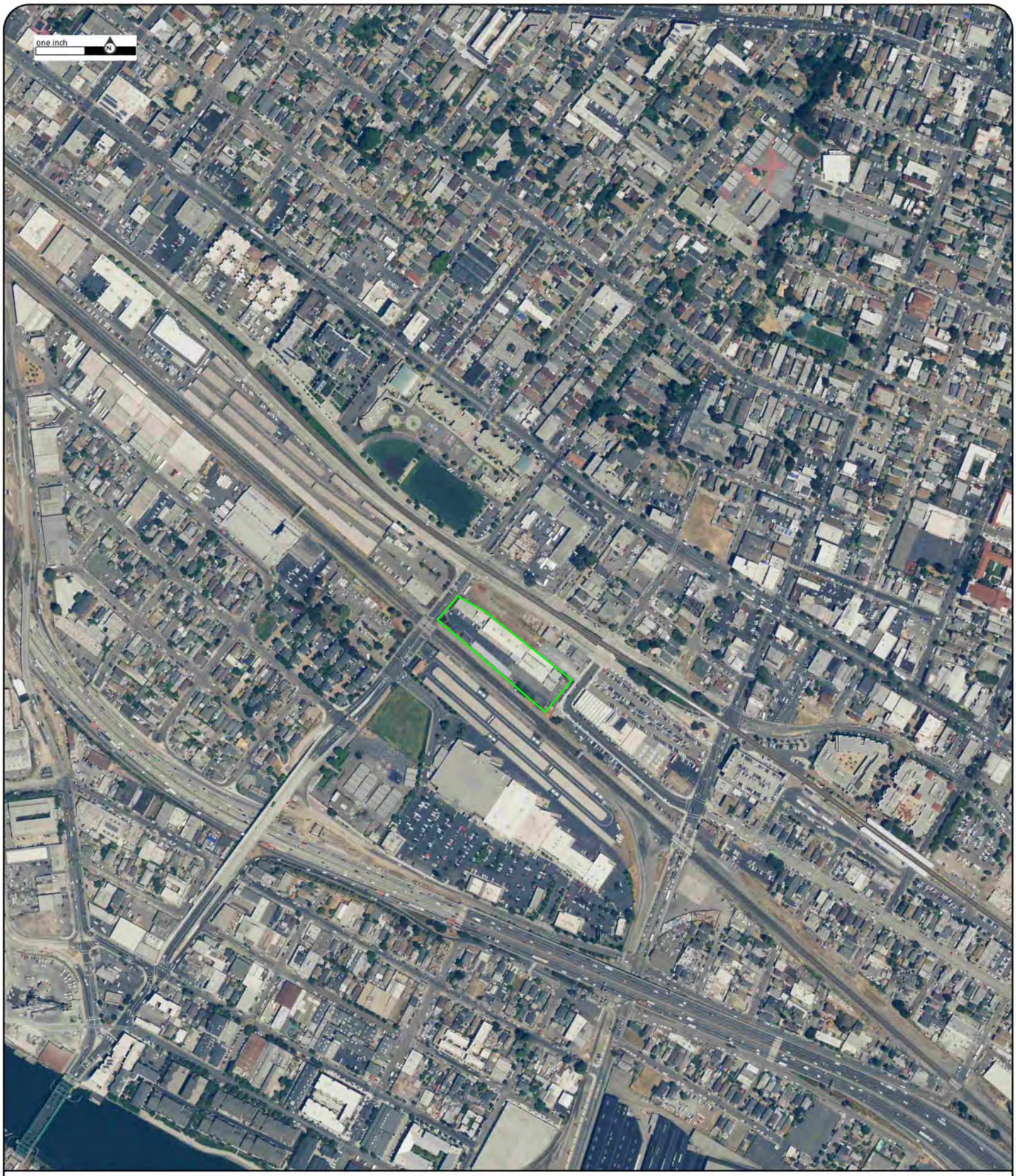


Year:2020
Source:NAIP
Scale:1" to 500'
Comment:

Address:Latitude HS, Oakland, CA
Approx Center:37.77704625/-122.22976593

Order No:20301300362

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

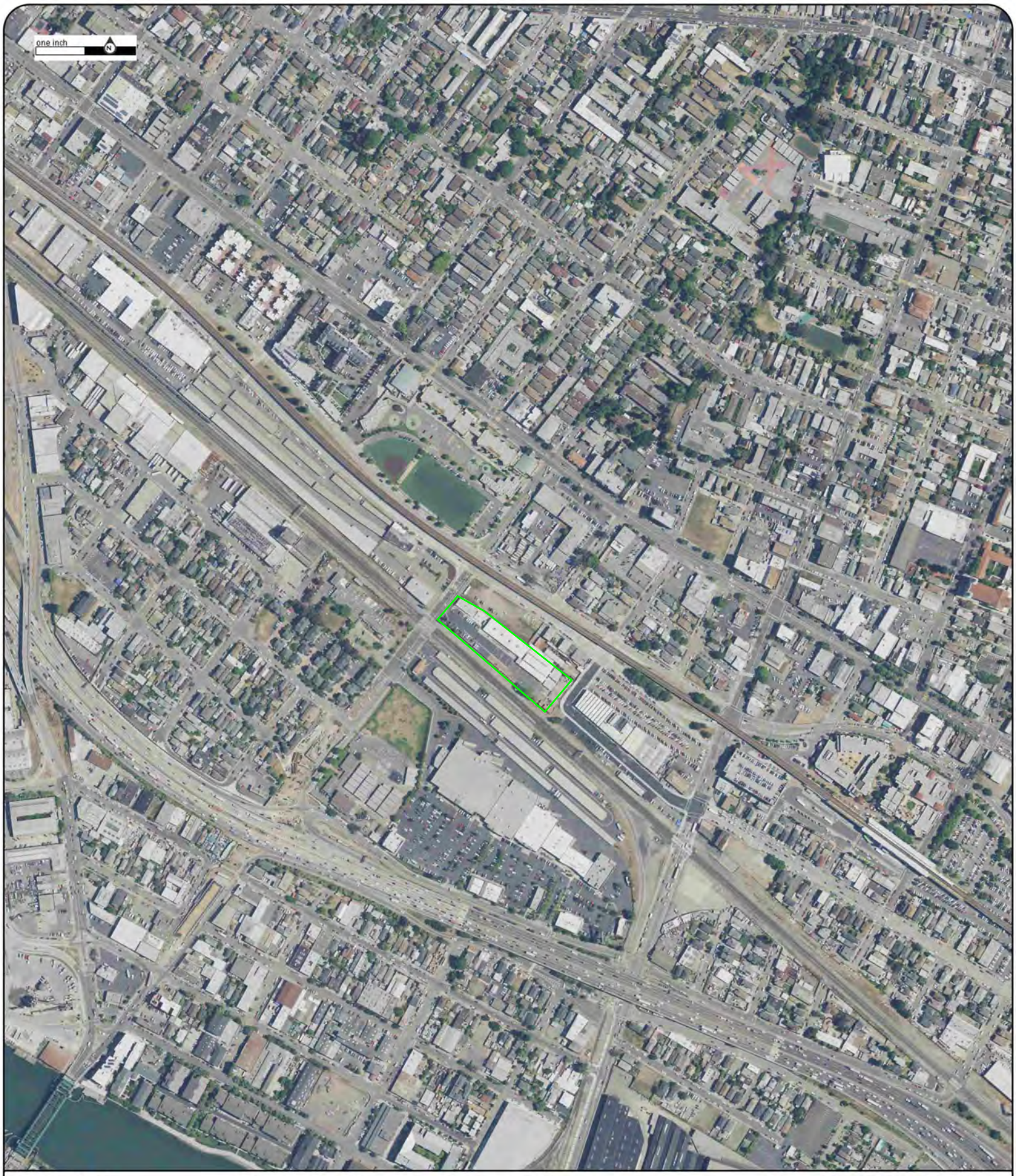


Year:2018
Source:NAIP
Scale:1" to 500'
Comment:

Address:Latitude HS, Oakland, CA
Approx Center:37.77704625/-122.22976593

Order No:20301300362

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

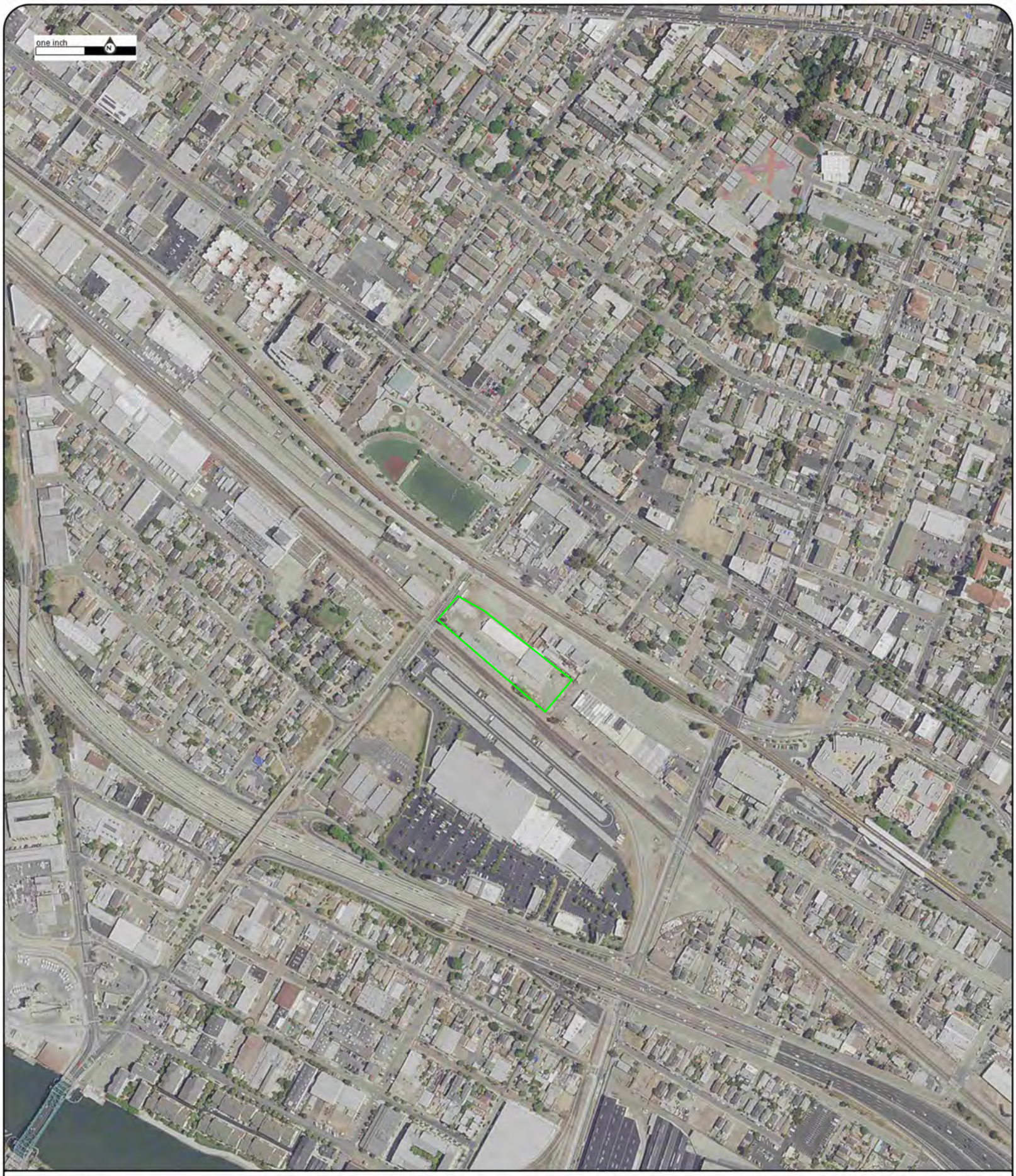


Year:2016
Source:NAIP
Scale:1" to 500'
Comment:

Address:Latitude HS, Oakland, CA
Approx Center:37.77704625/-122.22976593

Order No:20301300362

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



Year:2014
Source:NAIP
Scale:1" to 500'
Comment:

Address:Latitude HS, Oakland, CA
Approx Center:37.77704625/-122.22976593

Order No:20301300362

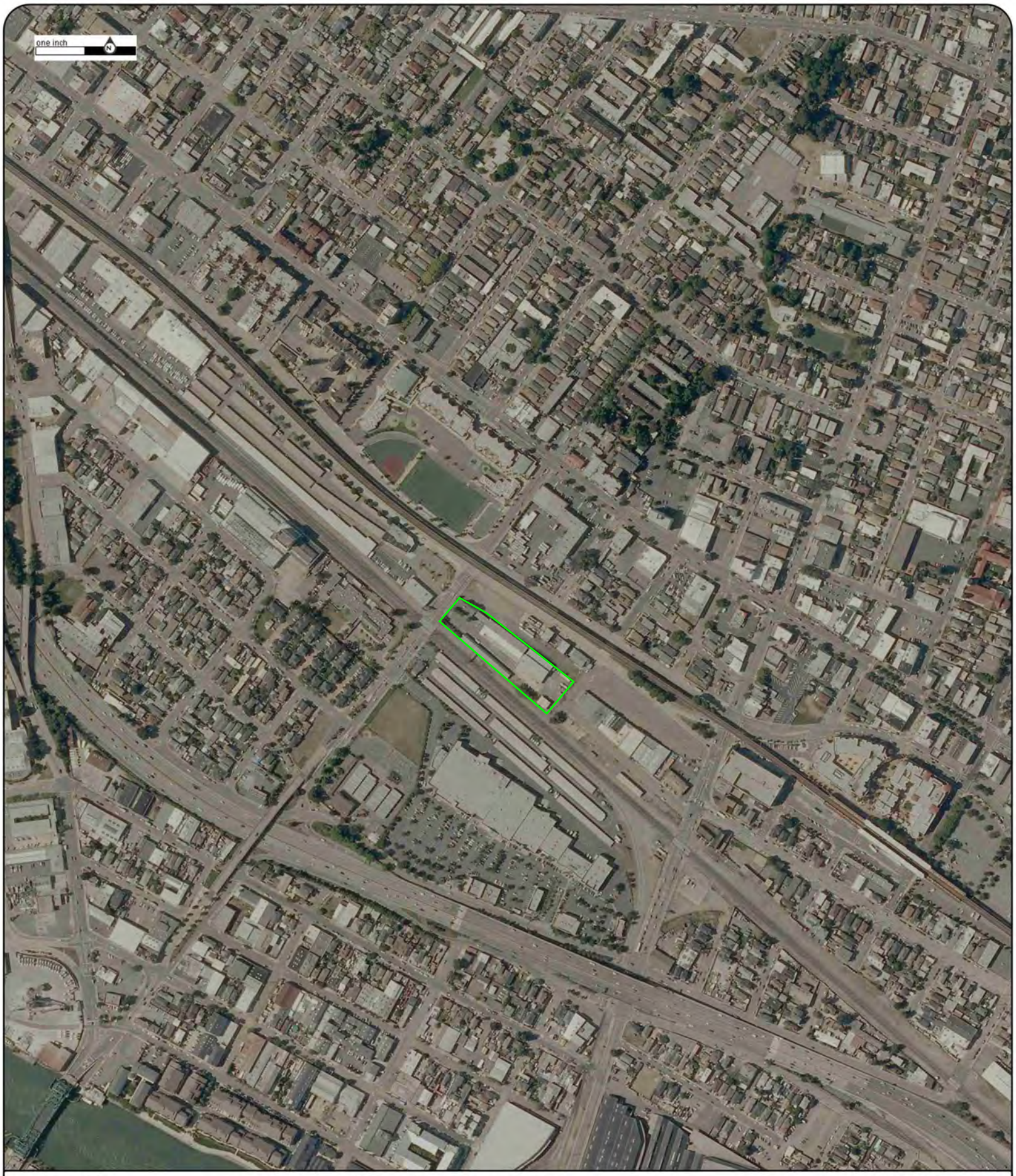
ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Year:2012
Source:NAIP
Scale:1" to 500'
Comment:

Address:Latitude HS, Oakland, CA
Approx Center:37.77704625/-122.22976593

Order No:20301300362

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

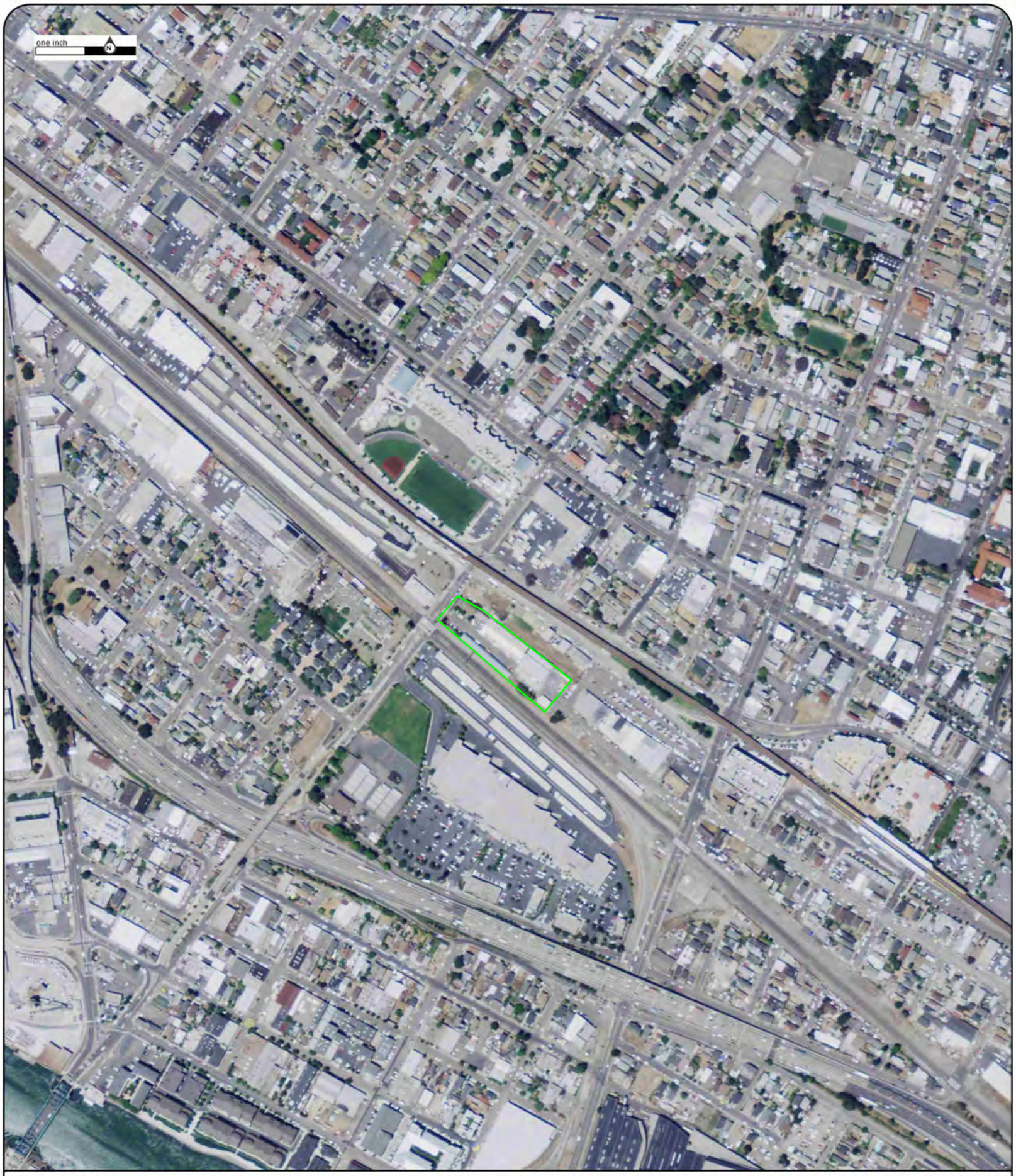


Year:2010
Source:NAIP
Scale:1" to 500'
Comment:

Address:Latitude HS, Oakland, CA
Approx Center:37.77704625/-122.22976593

Order No:20301300362

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



Year:2009
Source:NAIP
Scale:1" to 500'
Comment:

Address:Latitude HS, Oakland, CA
Approx Center:37.77704625/-122.22976593

Order No:20301300362

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Year:2005
Source:NAIP
Scale:1" to 500'
Comment:

Address:Latitude HS, Oakland, CA
Approx Center:37.77704625/-122.22976593

Order No:20301300362

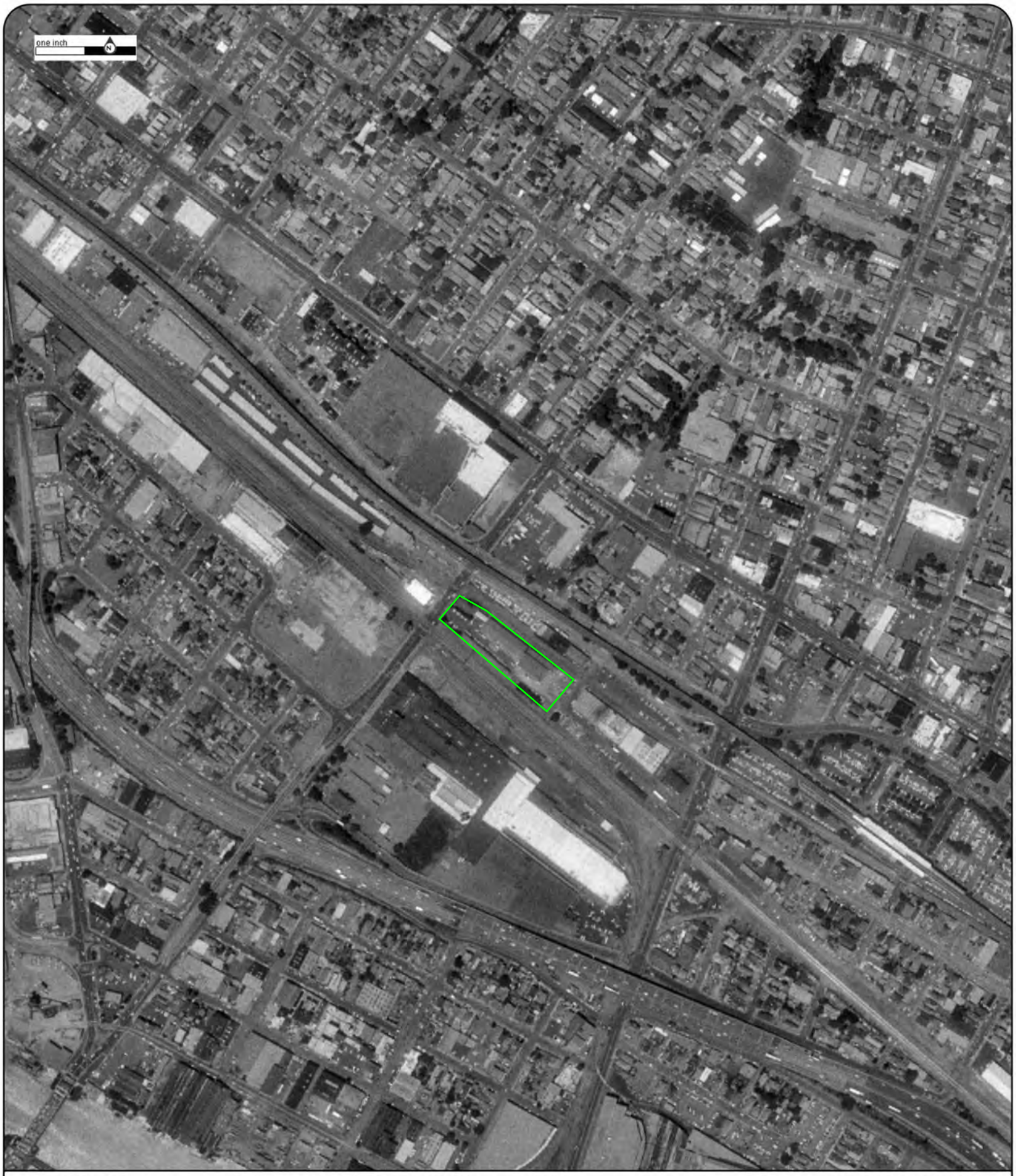
ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Year:2003
Source:NAIP
Scale:1" to 500'
Comment:

Address:Latitude HS, Oakland, CA
Approx Center:37.77704625/-122.22976593

Order No:20301300362

ENVIRONMENTAL RISK INFORMATION SERVICES



Year:1993
Source:USGS
Scale:1" to 500'
Comment:

Address:Latitude HS, Oakland, CA
Approx Center:37.77704625/-122.22976593

Order No:20301300362

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Year:1982
Source:NHAP
Scale:1" to 500'
Comment:

Address:Latitude HS, Oakland, CA
Approx Center:37.77704625/-122.22976593

Order No:20301300362

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Year:1974
Source:USGS
Scale:1" to 500'
Comment:

Address:Latitude HS, Oakland, CA
Approx Center:37.77704625/-122.22976593

Order No:20301300362

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Year:1968
Source:USGS
Scale:1" to 500'
Comment:

Address:Latitude HS, Oakland, CA
Approx Center:37.77704625/-122.22976593

Order No:20301300362

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Year:1965
Source:ASCS
Scale:1" to 500'
Comment:

Address:Latitude HS, Oakland, CA
Approx Center:37.77704625/-122.22976593

Order No:20301300362

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Year:1958
Source:USGS
Scale:1" to 500'
Comment:

Address:Latitude HS, Oakland, CA
Approx Center:37.77704625/-122.22976593

Order No:20301300362

ENVIRONMENTAL RISK INFORMATION SERVICES

Year:1946
Source:ASCS
Scale:1" to 500'
Comment:

Address:Latitude HS, Oakland, CA
Approx Center:37.77704625/-122.22976593

Order No:20301300362

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Year:1939
Source:ASCS
Scale:1" to 500'
Comment:

Address:Latitude HS, Oakland, CA
Approx Center:37.77704625/-122.22976593

Order No:20301300362

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

FIRE INSURANCE MAPS

Project Property:	SB1027 Latitude High School Latitude HS Oakland CA
Project No:	SB1027
Requested By:	Geosyntec Consultants
Order No:	20301300362
Date Completed:	October 14, 2020

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

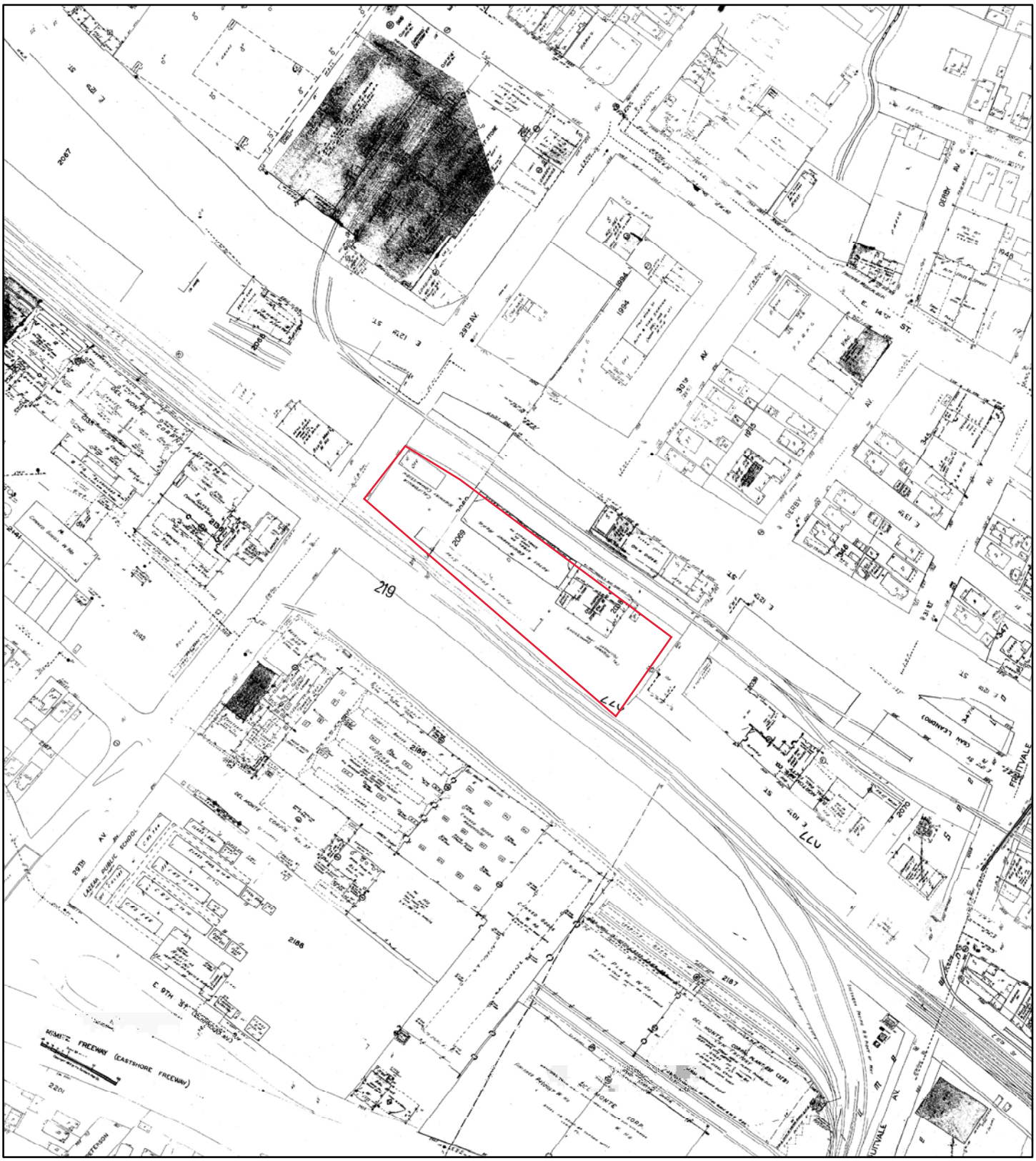
Listed below, please find the results of our search for historic fire insurance maps from our in-house collection, performed in conjuction with your ERIS report.

Date	City	State	Volume	Sheet Number(s)
1969	Oakland	California	2	219, 220, 226, 227, 228
1969	Oakland	California	5	504
1967	Oakland	California	2	219, 220, 226, 227, 228
1965	Oakland	California	2	219, 220, 226, 227, 228
1964	Oakland	California	2	219, 220, 226, 227, 228
1960	Oakland	California	2	219, 220, 226, 227, 228
1959	Oakland	California	2	219, 220, 226, 227, 228
1957	Oakland	California	2	219, 220, 226, 227, 228
1957	Oakland	California	5	504
1953	Oakland	California	2	219, 220, 226, 227, 228
1952	Oakland	California	2	219, 220, 226, 227, 228
1952	Oakland	California	5	504
1950	Oakland	California	2	219, 220, 226, 227, 228
1911	Oakland	California	2	219, 220, 226, 227, 228
1903	Oakland	California	2	245

Individual Fire Insurance Maps for the subject property and/or adjacent sites are included with the ERIS environmental database report to be used for research purposes only and cannot be resold for any other commercial uses other than for use in a Phase I environmental assessment.

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

Fire Insurance Map

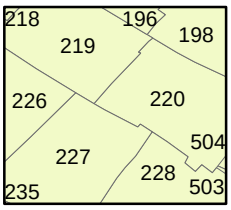


1969

Address: Latitude HS Oakland CA

N

Feet 0 115 230 460 690 920

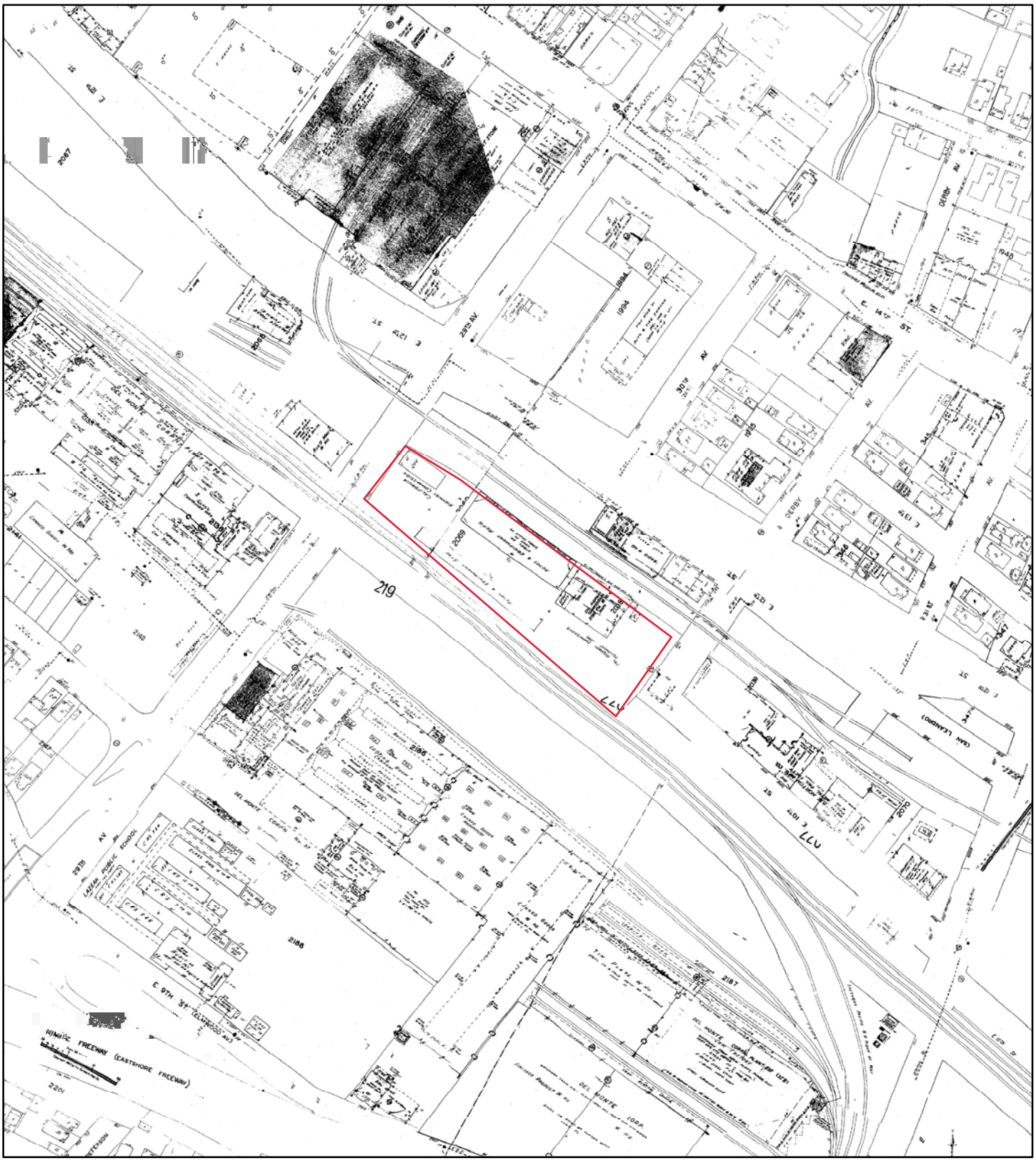


Map sheet(s):
Volume 2:219,220,226,227,228;
Volume 5:504;

Order Number 20301300362

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Fire Insurance Map



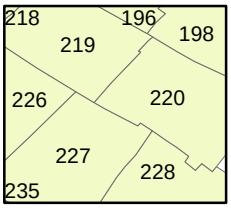
1967

Address: Latitude HS Oakland CA

N

0 115 230 460 690 920

Feet

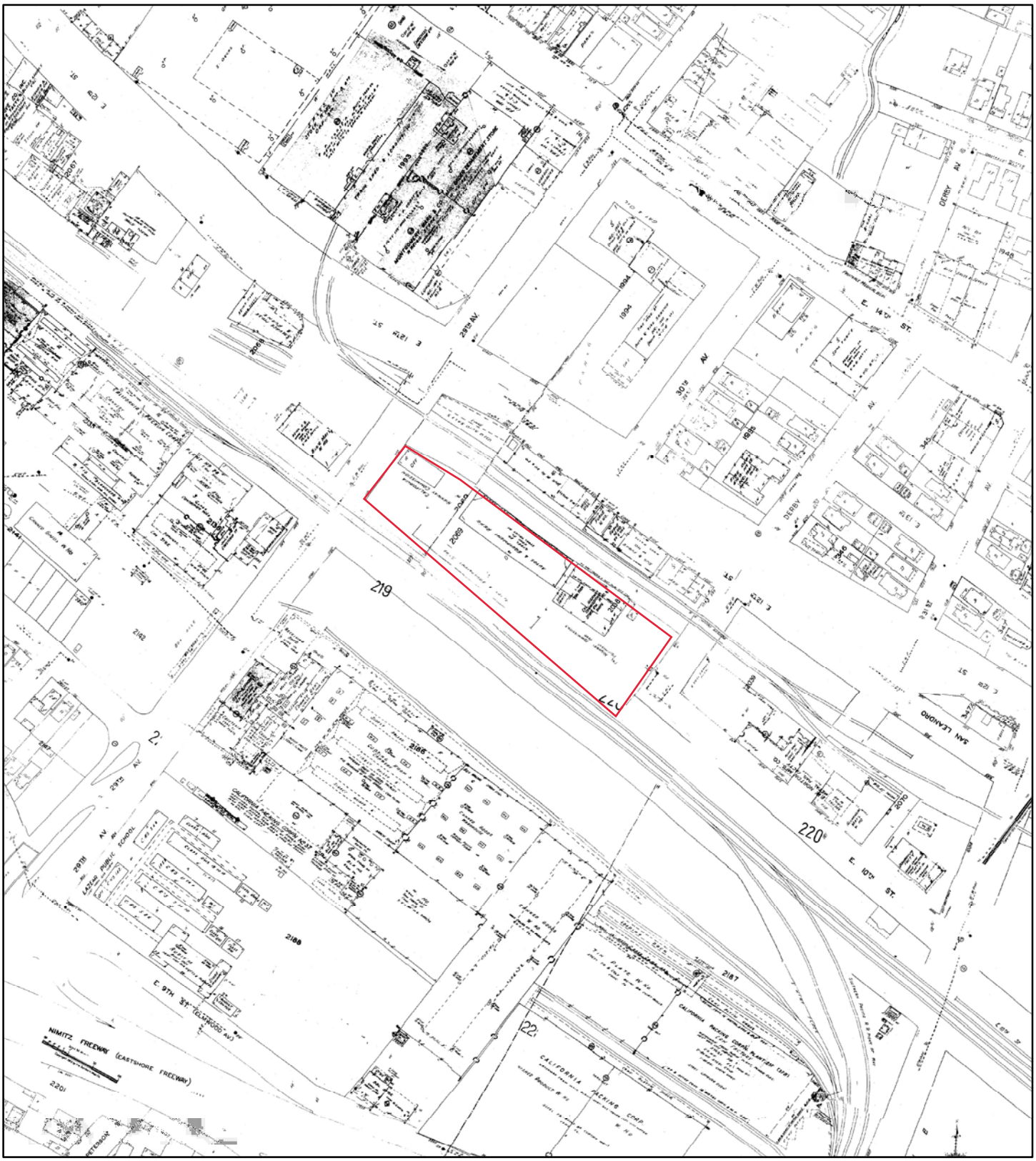


Map sheet(s):
Volume 2:219,220,226,227,228;

Order Number 20301300362

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Fire Insurance Map

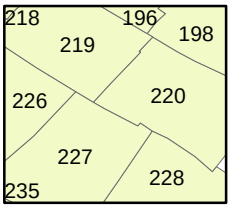


1965

Address: Latitude HS Oakland CA

N

Feet 0 115 230 460 690 920

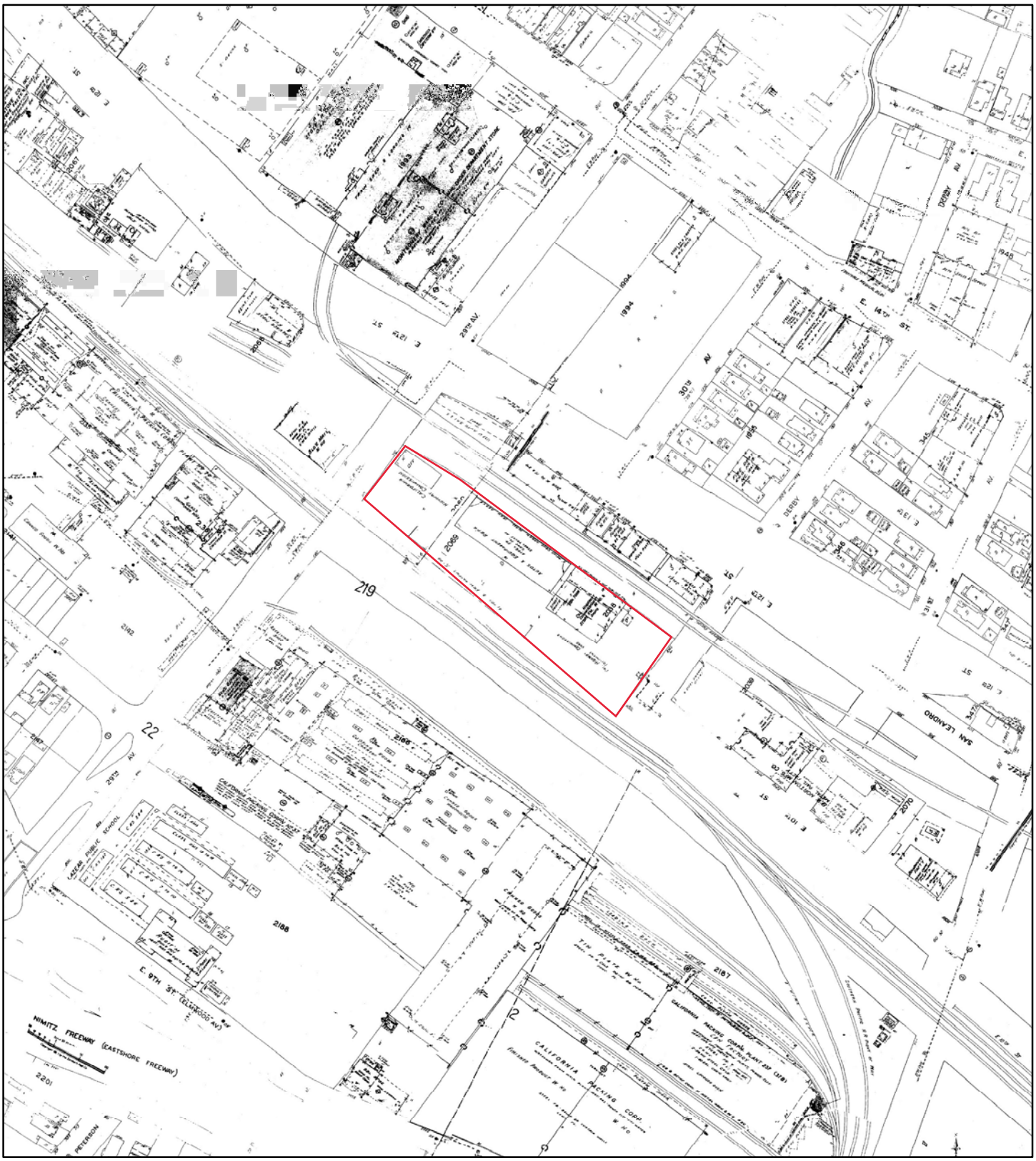


Map sheet(s):
Volume 2:219,220,226,227,228;

Order Number 20301300362

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Fire Insurance Map

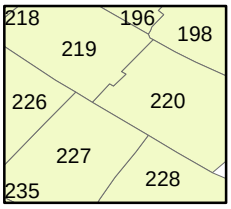


1964

Address: Latitude HS Oakland CA

N

Feet 0 115 230 460 690 920

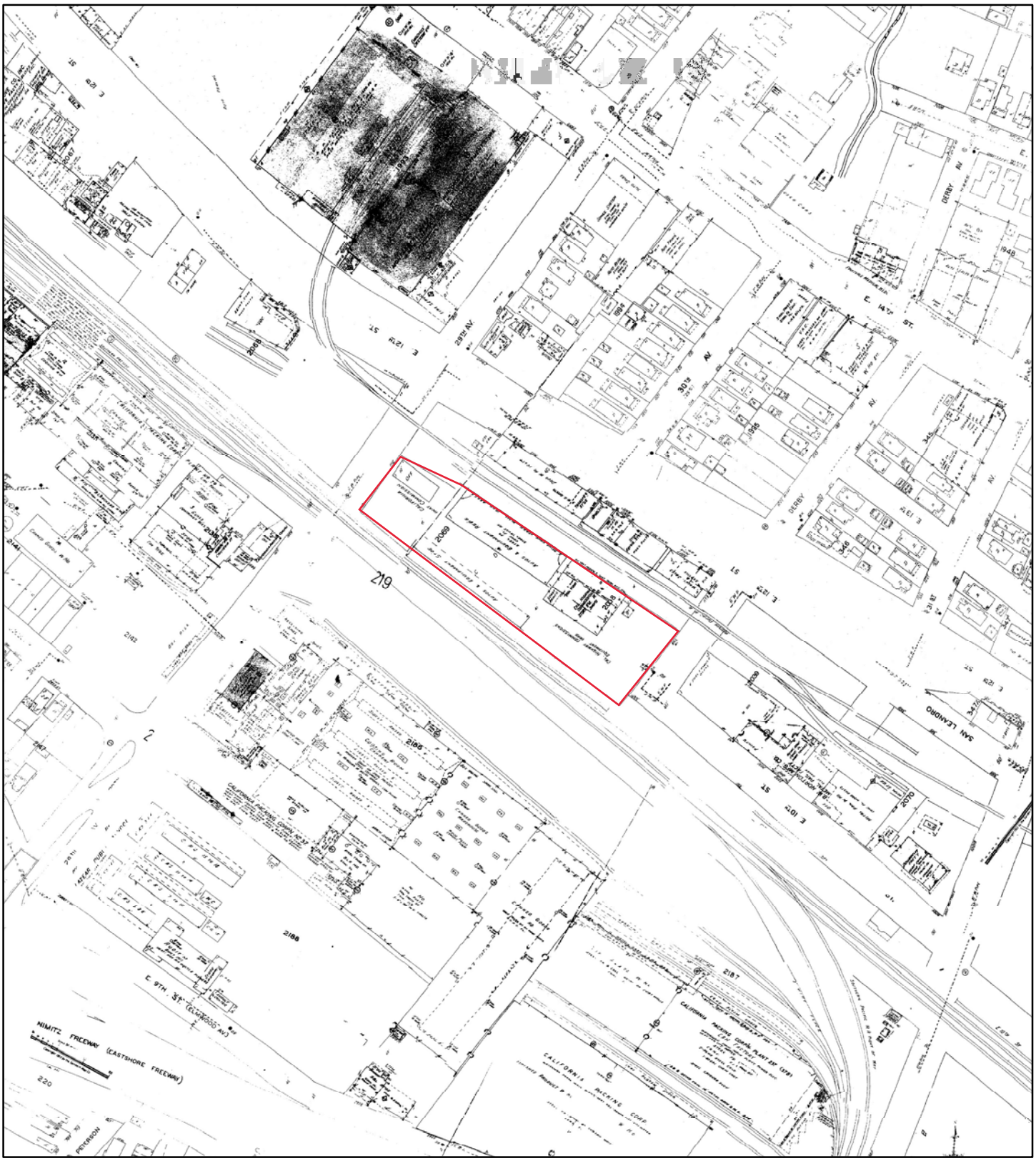


Map sheet(s):
Volume 2:219,220,226,227,228;

Order Number 20301300362

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Fire Insurance Map



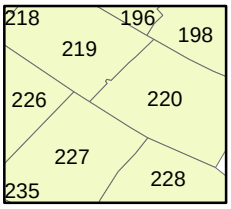
1960

Address: Latitude HS Oakland CA

N

0 115 230 460 690 920

Feet

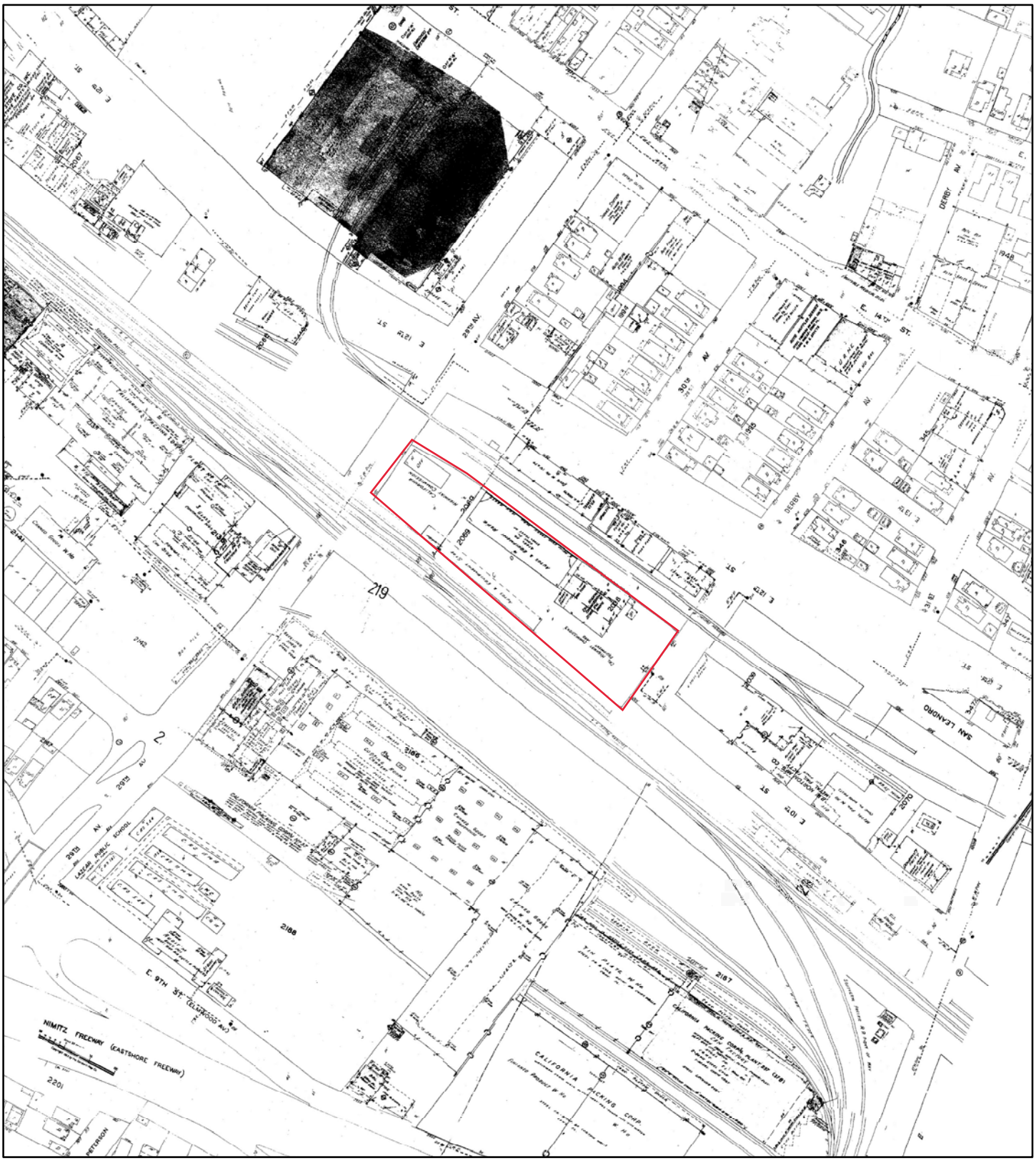


Map sheet(s):
Volume 2:219,220,226,227,228;

Order Number 20301300362

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Fire Insurance Map



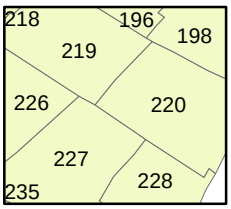
1959

Address: Latitude HS Oakland CA

N

0 115 230 460 690 920

Feet

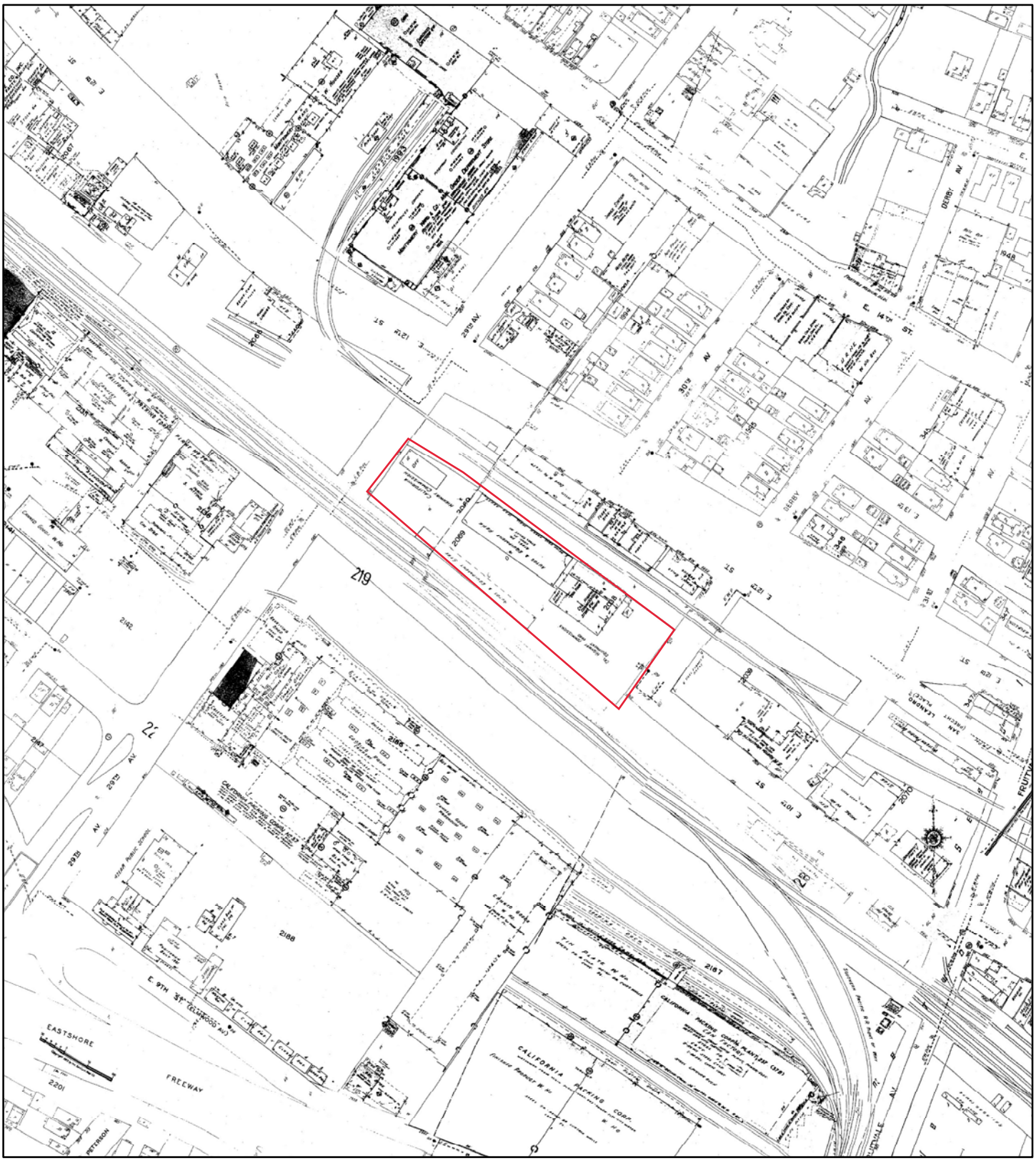


Map sheet(s):
Volume 2:219,220,226,227,228;

Order Number 20301300362

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Fire Insurance Map

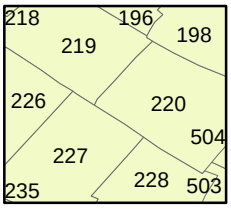


1957

Address: Latitude HS Oakland CA

N

Feet 0 115 230 460 690 920

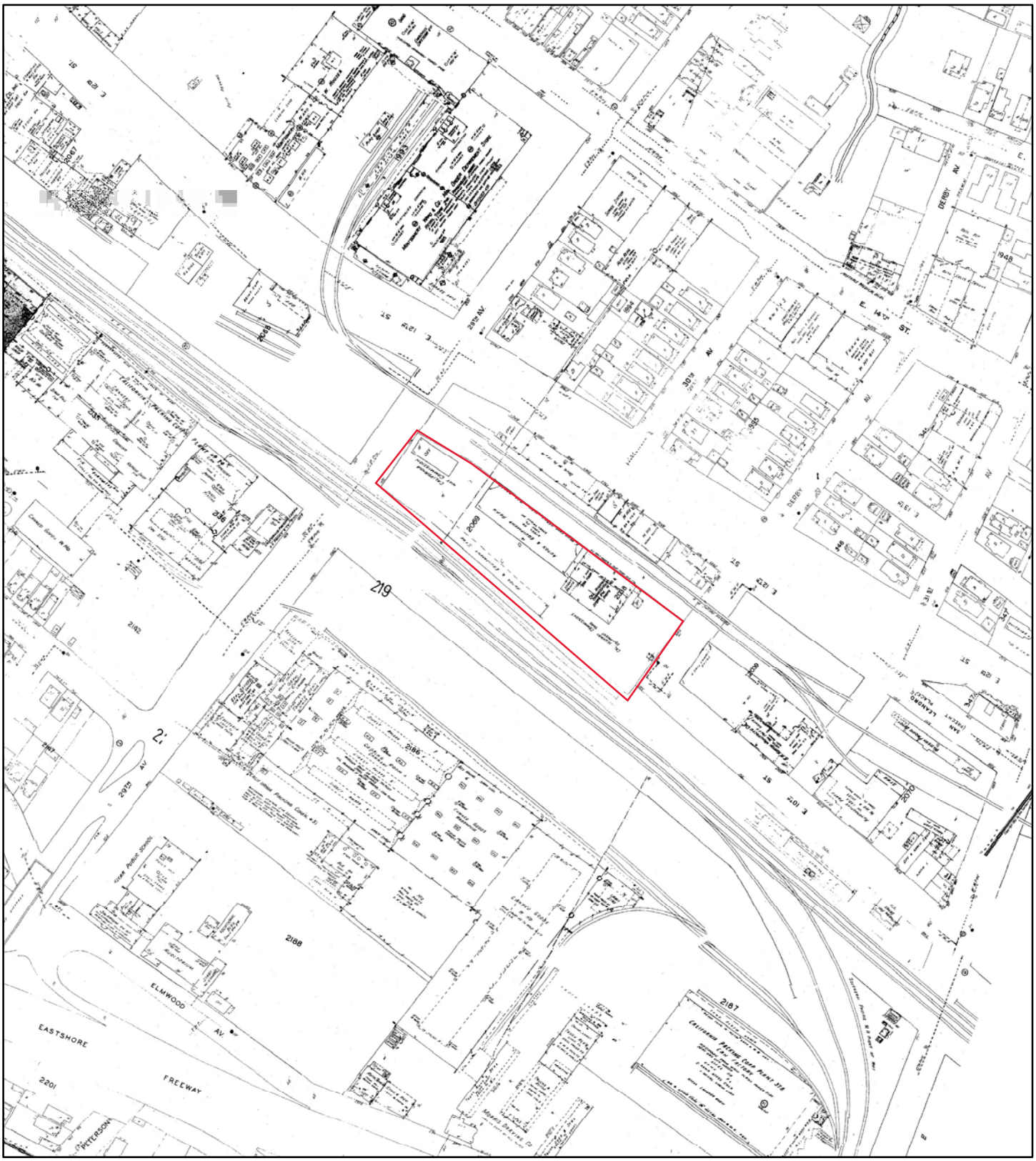


Map sheet(s):
Volume 2:219,220,226,227,228;
Volume 5:504;

Order Number 20301300362

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Fire Insurance Map



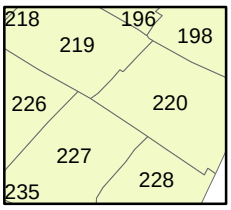
1953

Address: Latitude HS Oakland CA

N

0 115 230 460 690 920

Feet

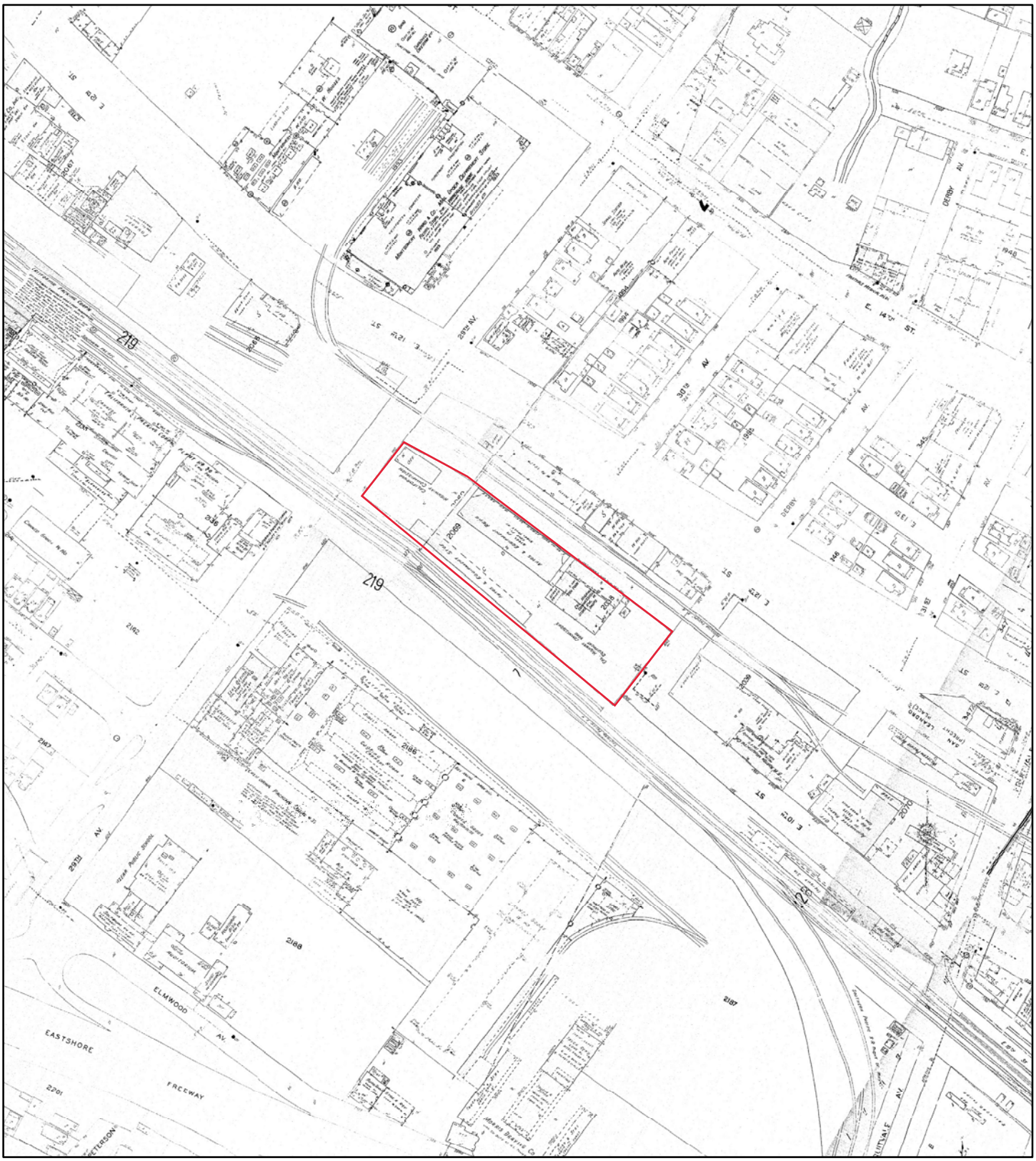


Map sheet(s):
Volume 2:219,220,226,227,228;

Order Number 20301300362

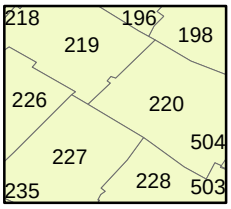
ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Fire Insurance Map



1952

Address: Latitude HS Oakland CA



Map sheet(s):
Volume 2:219,220,226,227,228;
Volume 5:504;

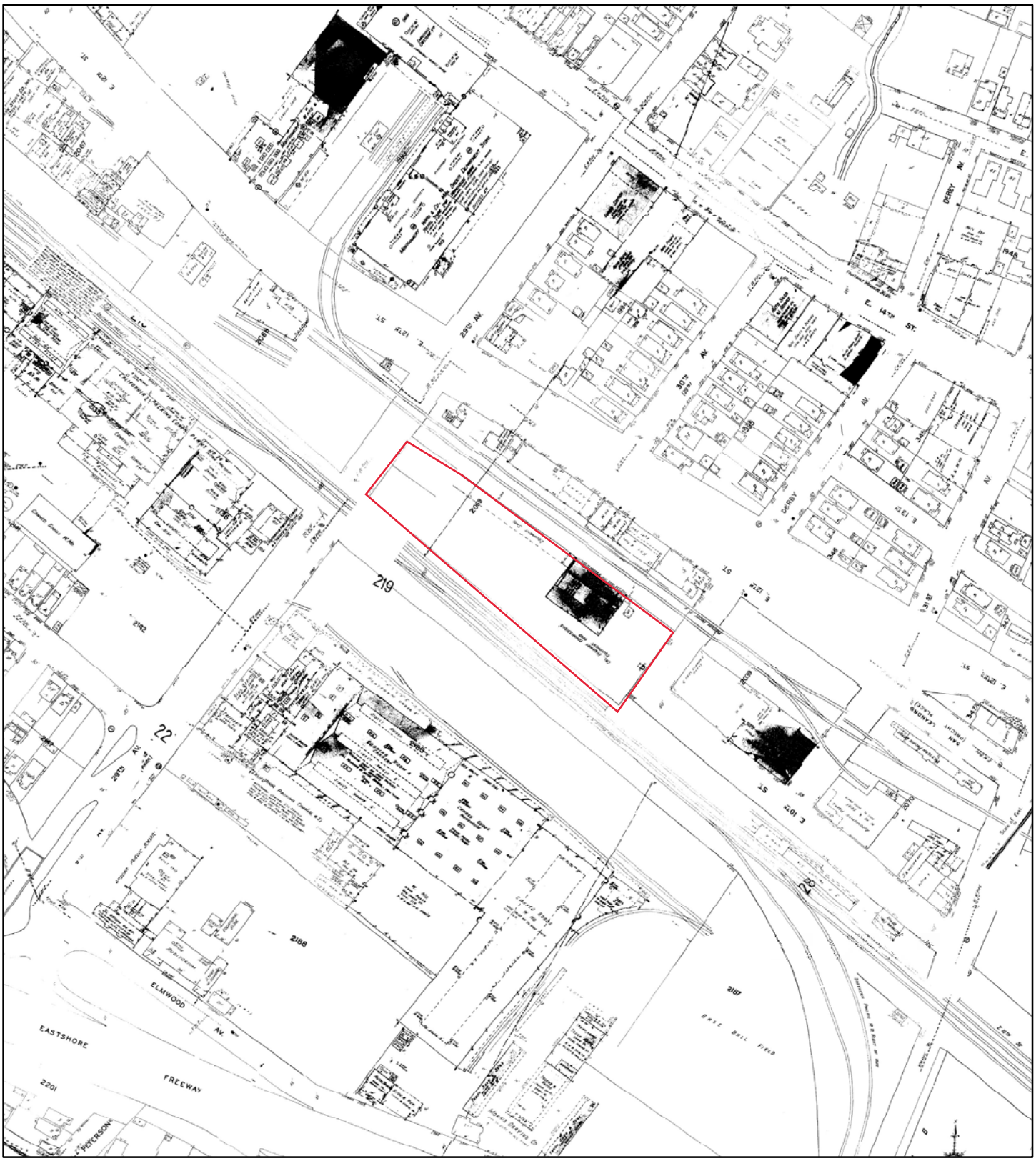
N

0 115 230 460 690 920
Feet

Order Number 20301300362

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Fire Insurance Map

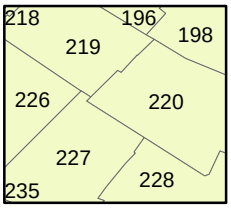


1950

Address: Latitude HS Oakland CA

N

Feet 0 115 230 460 690 920

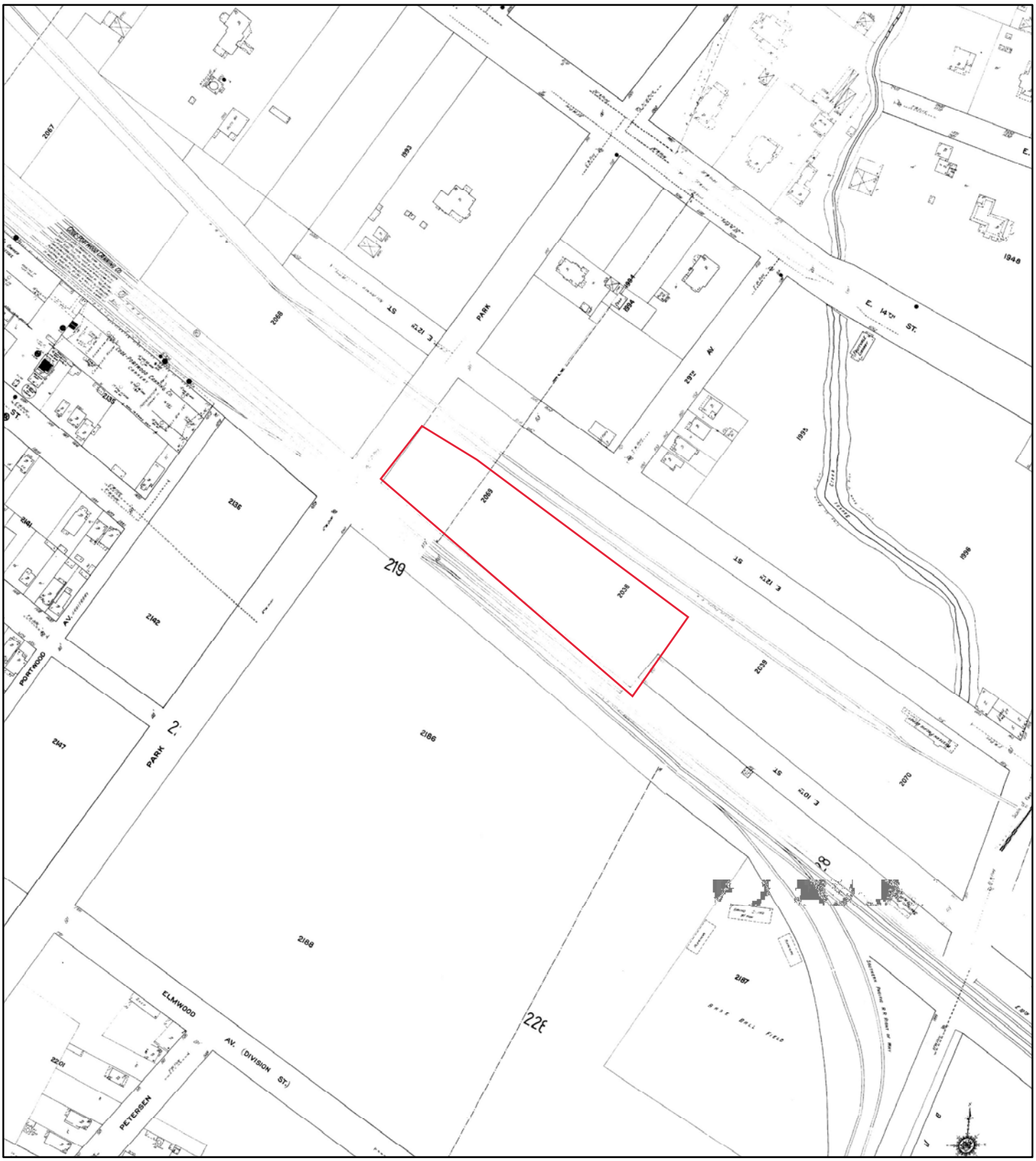


Map sheet(s):
Volume 2:219,220,226,227,228;

Order Number 20301300362

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Fire Insurance Map

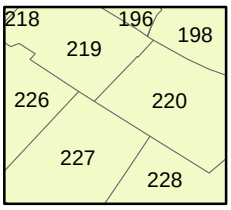


1911

Address: Latitude HS Oakland CA

N

Feet 0 115 230 460 690 920

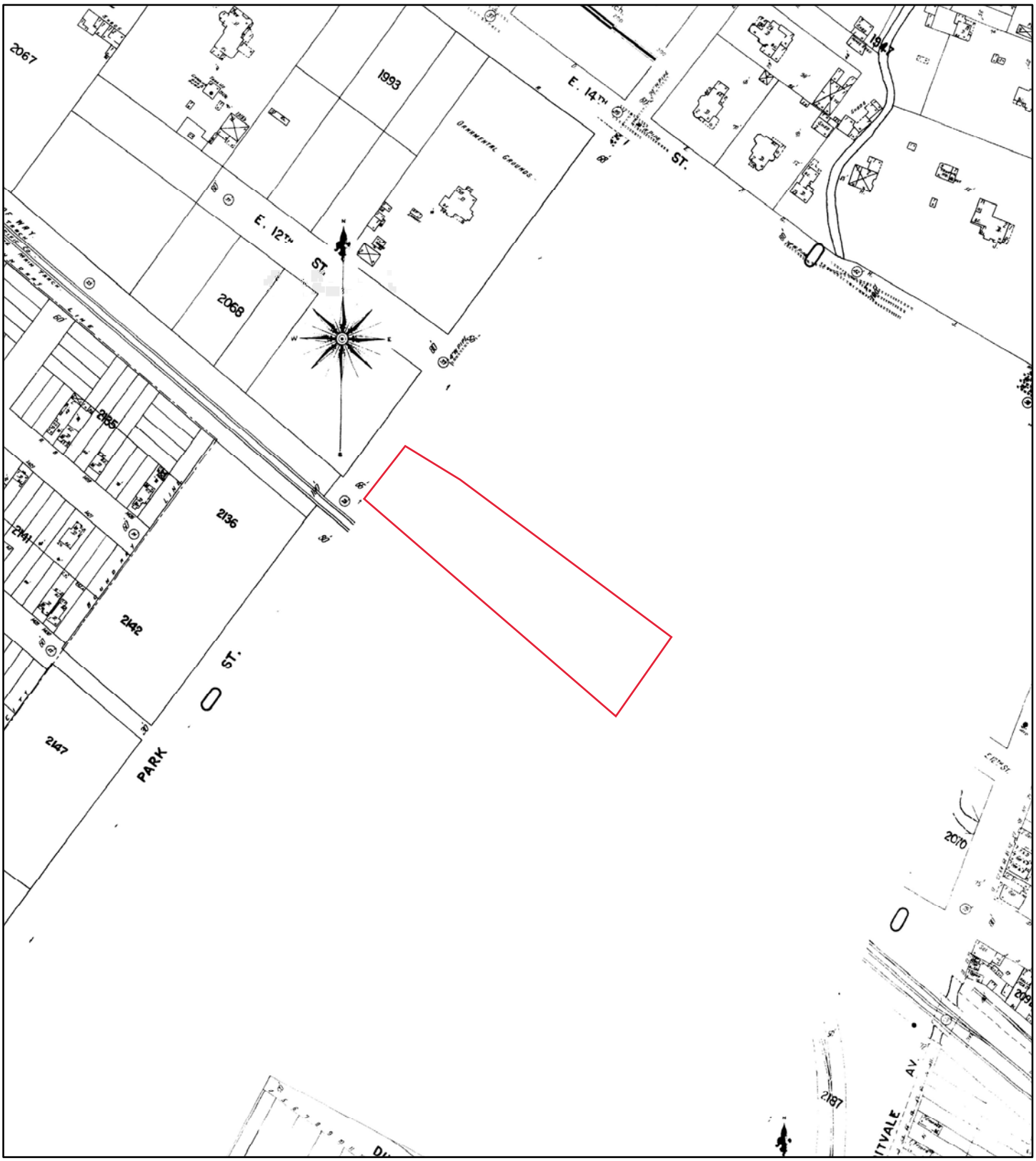


Map sheet(s):
Volume 2:219,220,226,227,228;

Order Number 20301300362

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Fire Insurance Map



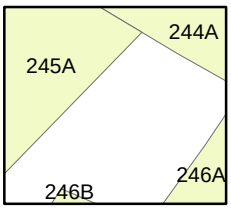
1903

Address: Latitude HS Oakland CA

0 115 230 460 690 920

Feet

N



Map sheet(s):
Volume 2:245;

Order Number 20301300362

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

ENVIRONMENTAL RISK INFORMATION SERVICES

TOPOGRAPHIC MAPS

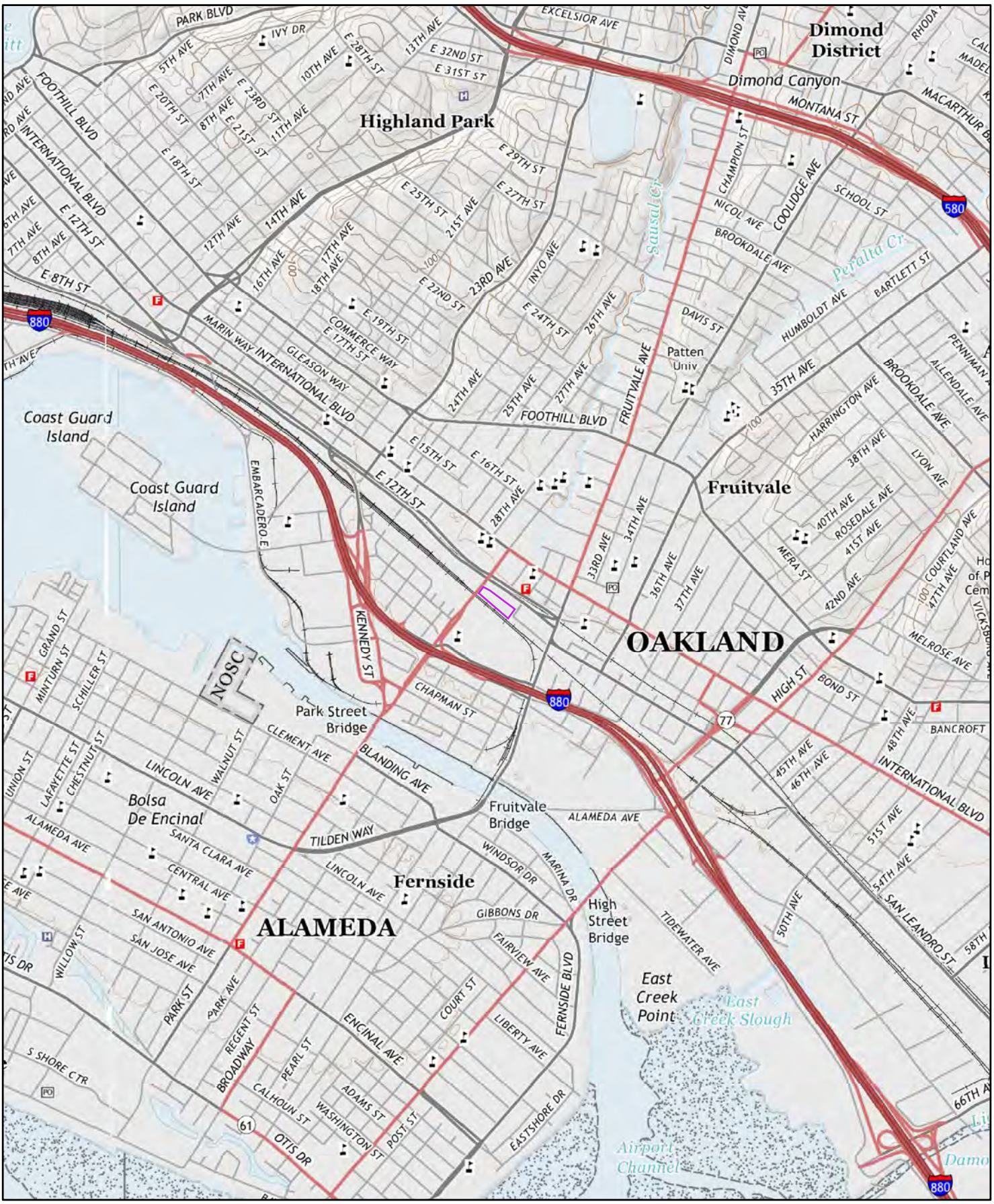
Project Property:	SB1027 Latitude High School Latitude HS Oakland CA
Project No:	SB1027
Requested By:	Geosyntec Consultants
Order No:	20301300362
Date Completed:	October 14, 2020

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

We have searched USGS collections of current topographic maps and historical topographic maps for the project property. Below is a list of maps found for the project property and adjacent area. Maps are from 7.5 and 15 minute topographic map series, if available.

Year	Map Series
2015	7.5
1997	7.5
1980	7.5
1973	7.5
1968	7.5
1959	7.5
1949	7.5
1947	7.5
1959	15
1915	15
1897	15

Topographic Maps included in this report are produced by the USGS and are to be used for research purposes including a phase I report. Maps are not to be resold as commercial property.
No warranty of Accuracy or Liability for ERIS: The information contained in this report has been produced by ERIS Information Inc.(in the US) and ERIS Information Limited Partnership (in Canada), both doing business as 'ERIS', using Topographic Maps produced by the USGS. This maps contained herein does not purport to be and does not constitute a guarantee of the accuracy of the information contained herein. Although ERIS has endeavored to present you with information that is accurate, ERIS disclaims, any and all liability for any errors, omissions, or inaccuracies in such information and data, whether attributable to inadvertence, negligence or otherwise, and for any consequences arising therefrom. Liability on the part of ERIS is limited to the monetary value paid for this report.



2015

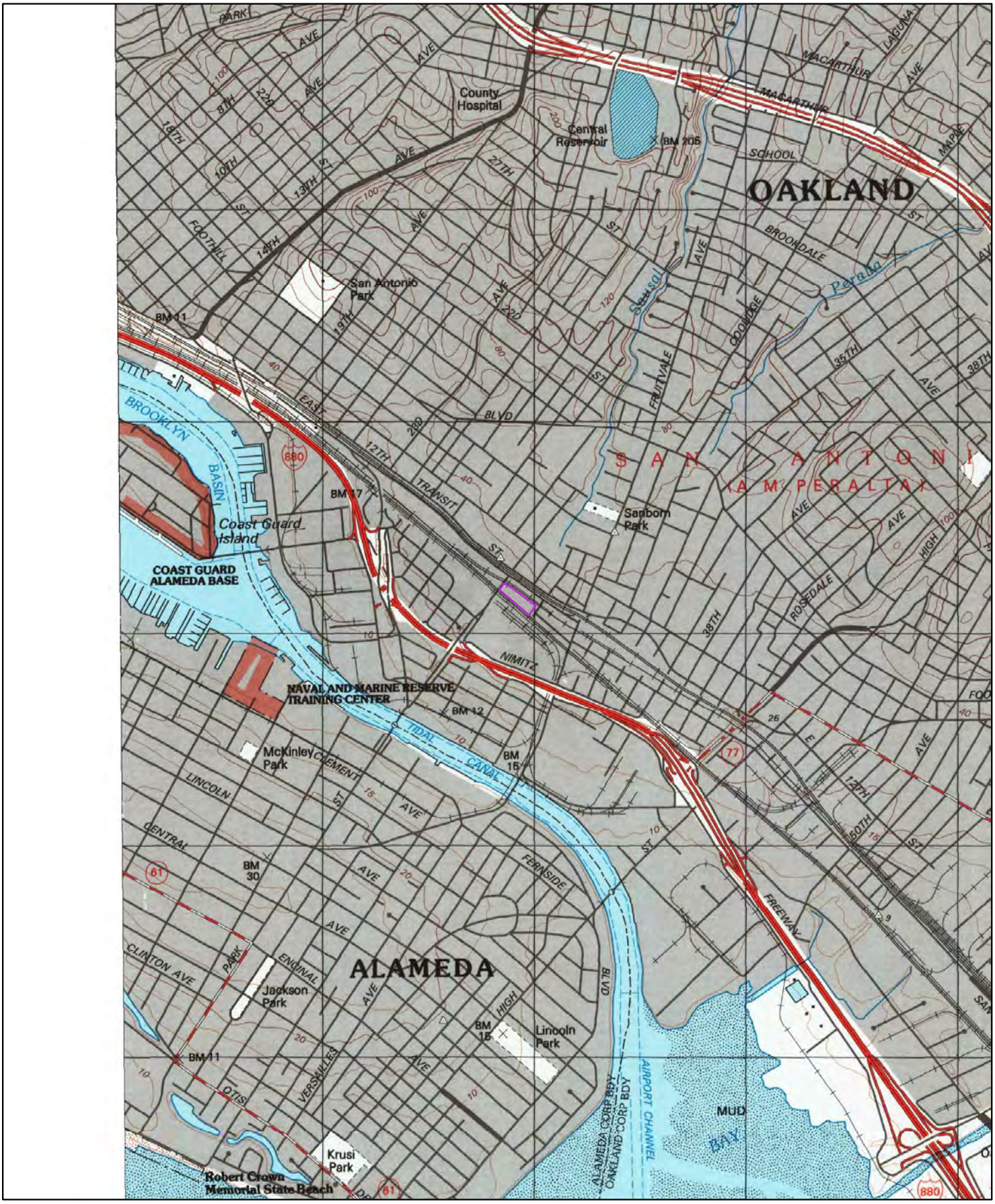
0 0.2 0.4 0.8 Miles

Order No. 20301300362

Quadrangle(s): Oakland East,CA

Source: USGS 7.5 Minute Topographic Map

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



1997

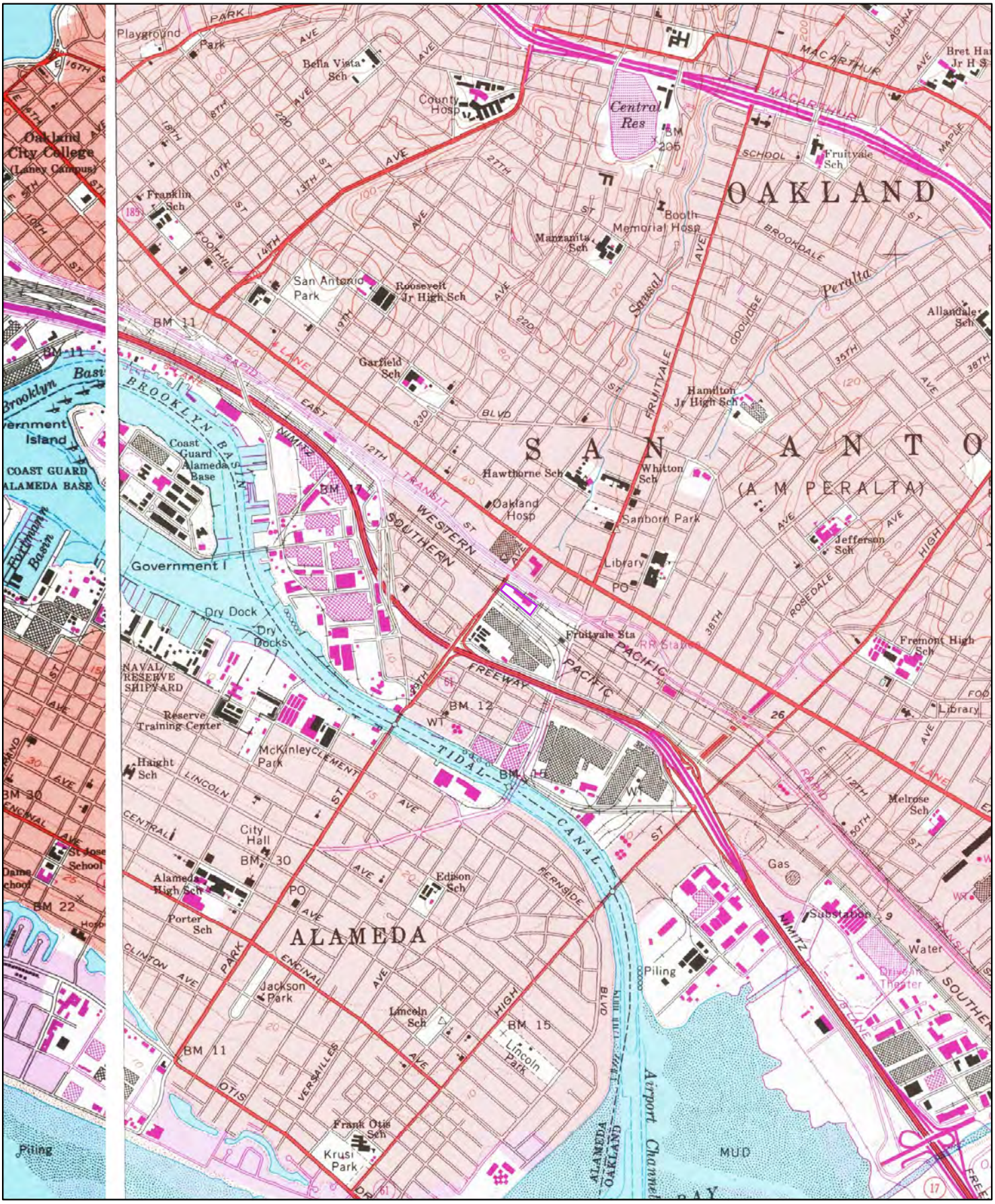
Miles
0 0.2 0.4 0.8

Order No. 20301300362

Quadrangle(s): Oakland East,CA

Source: USGS 7.5 Minute Topographic Map

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



1980

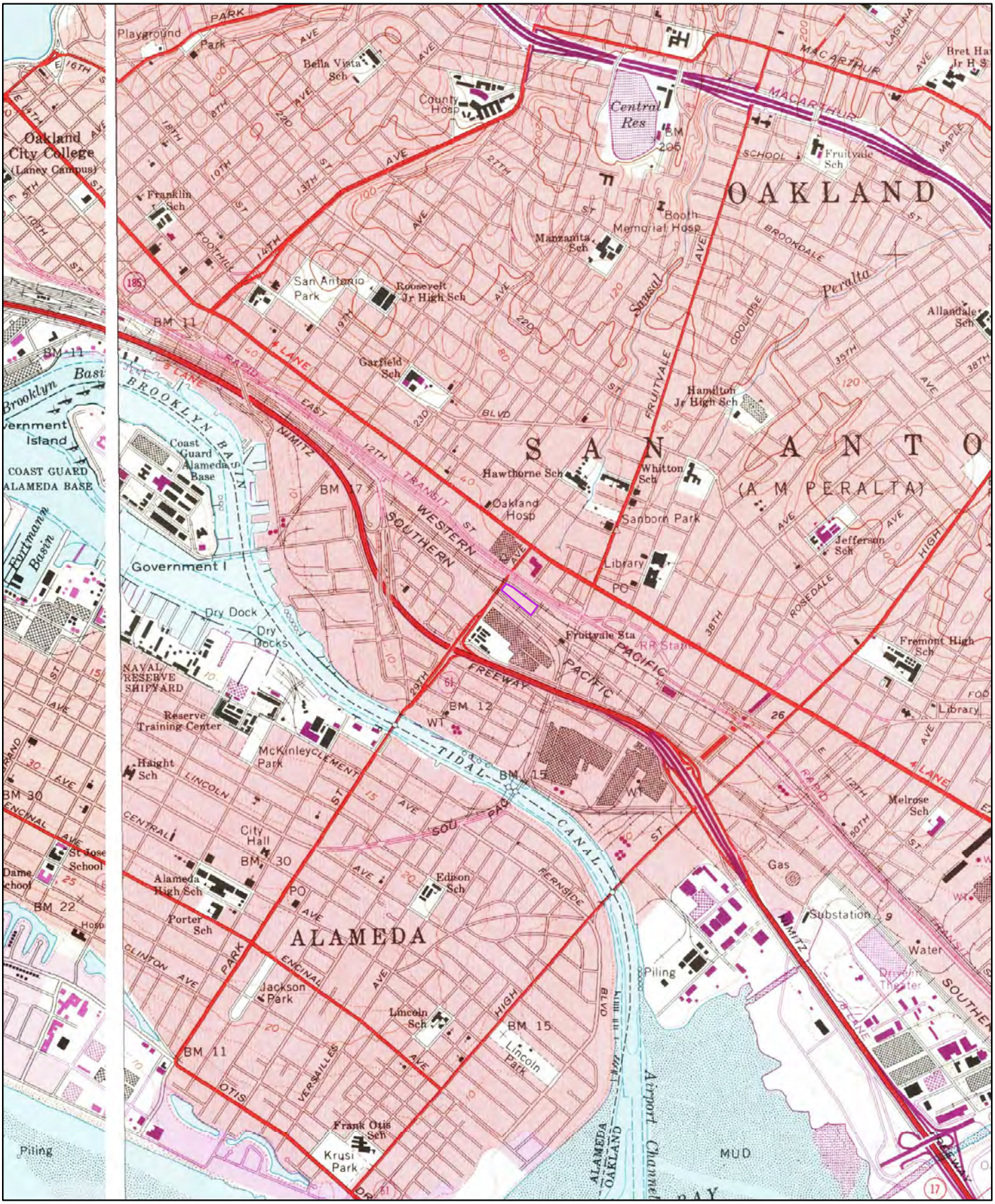
Miles
0 0.2 0.4 0.8

Order No. 20301300362

Quadrangle(s): Oakland East,CA

Source: USGS 7.5 Minute Topographic Map

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



1973

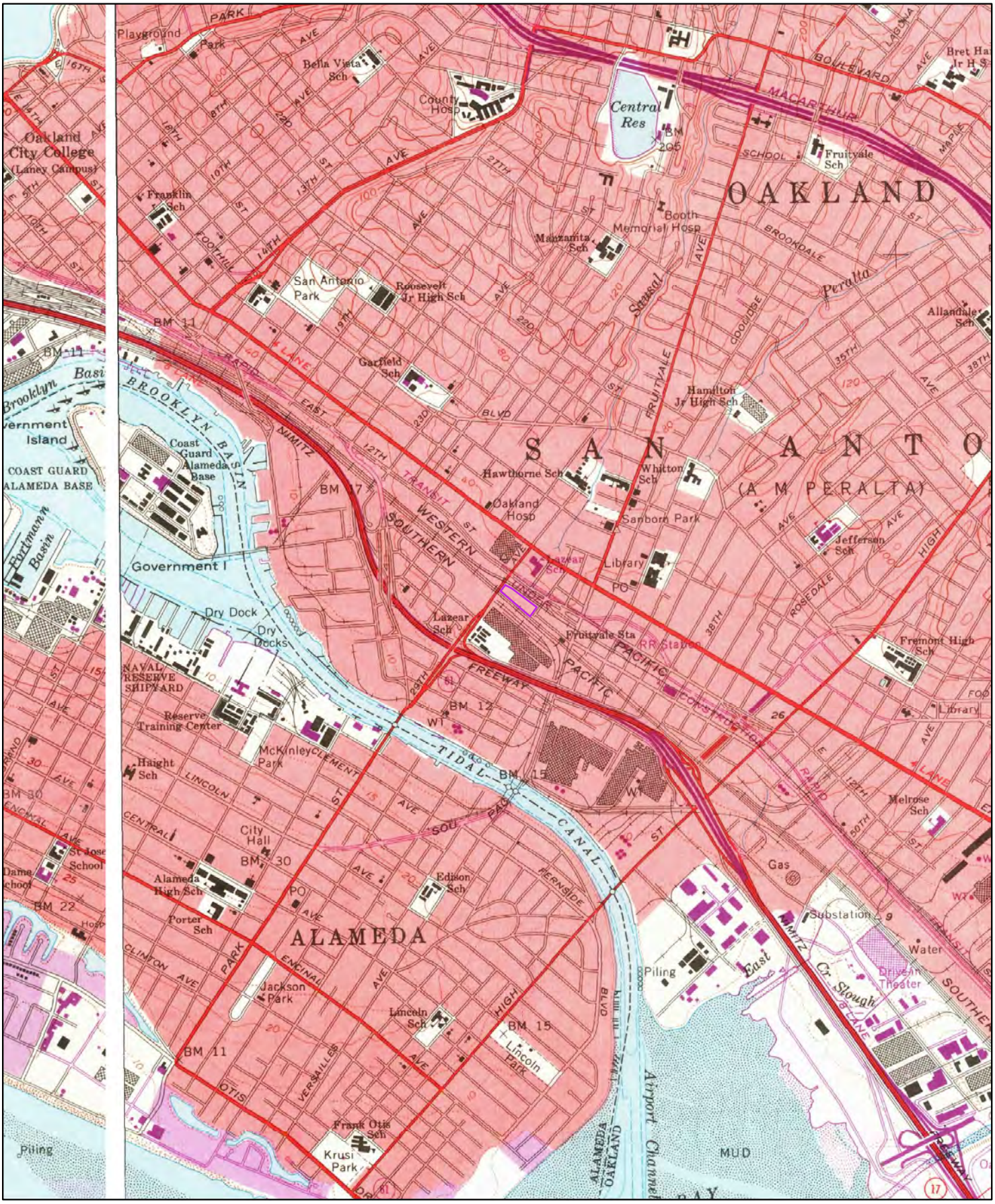
Miles
0 0.2 0.4 0.8

Order No. 20301300362

Quadrangle(s): Oakland East,CA

Source: USGS 7.5 Minute Topographic Map

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



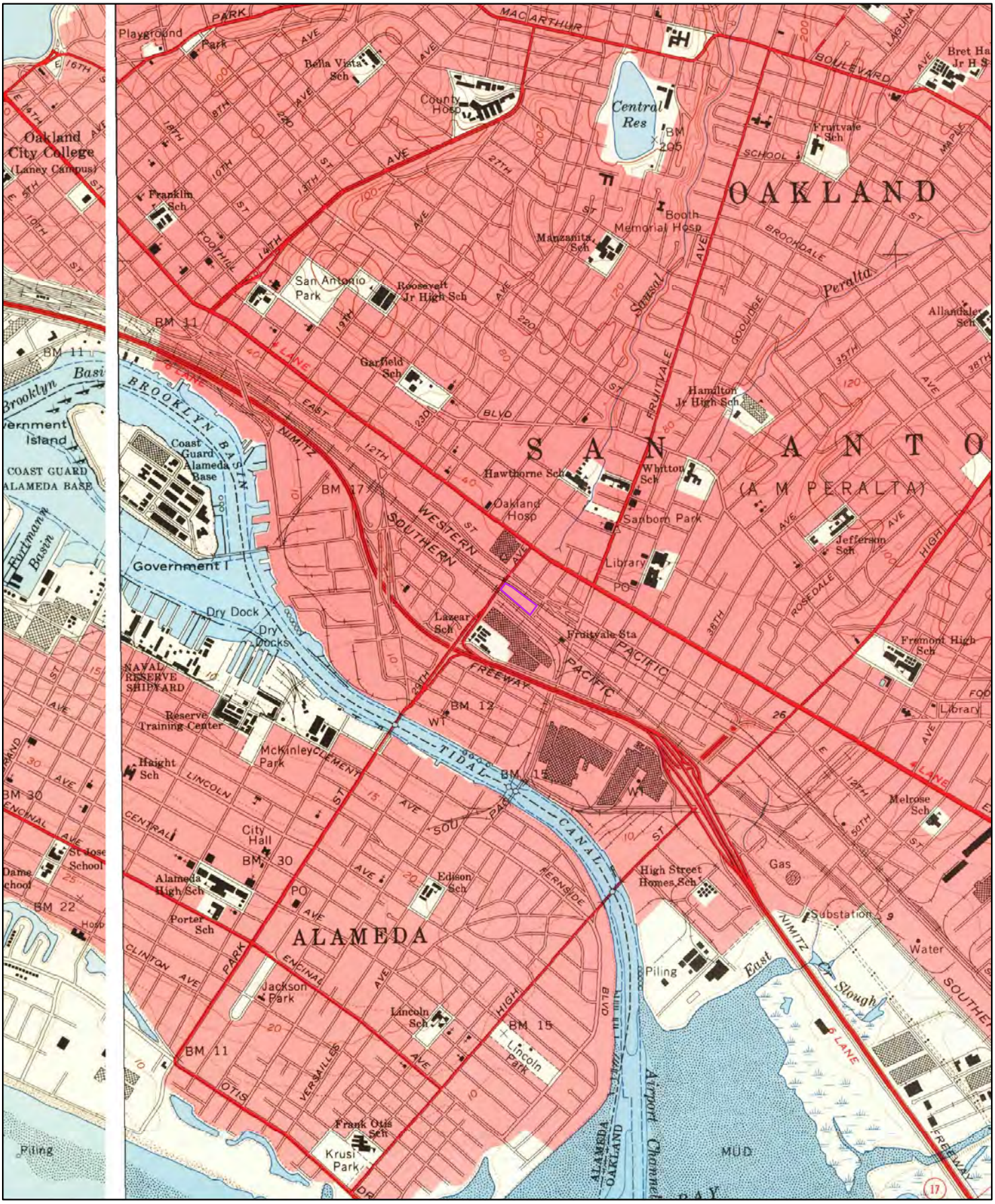
1968

Order No. 20301300362

Quadrangle(s): Oakland East,CA

Source: USGS 7.5 Minute Topographic Map

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



1959

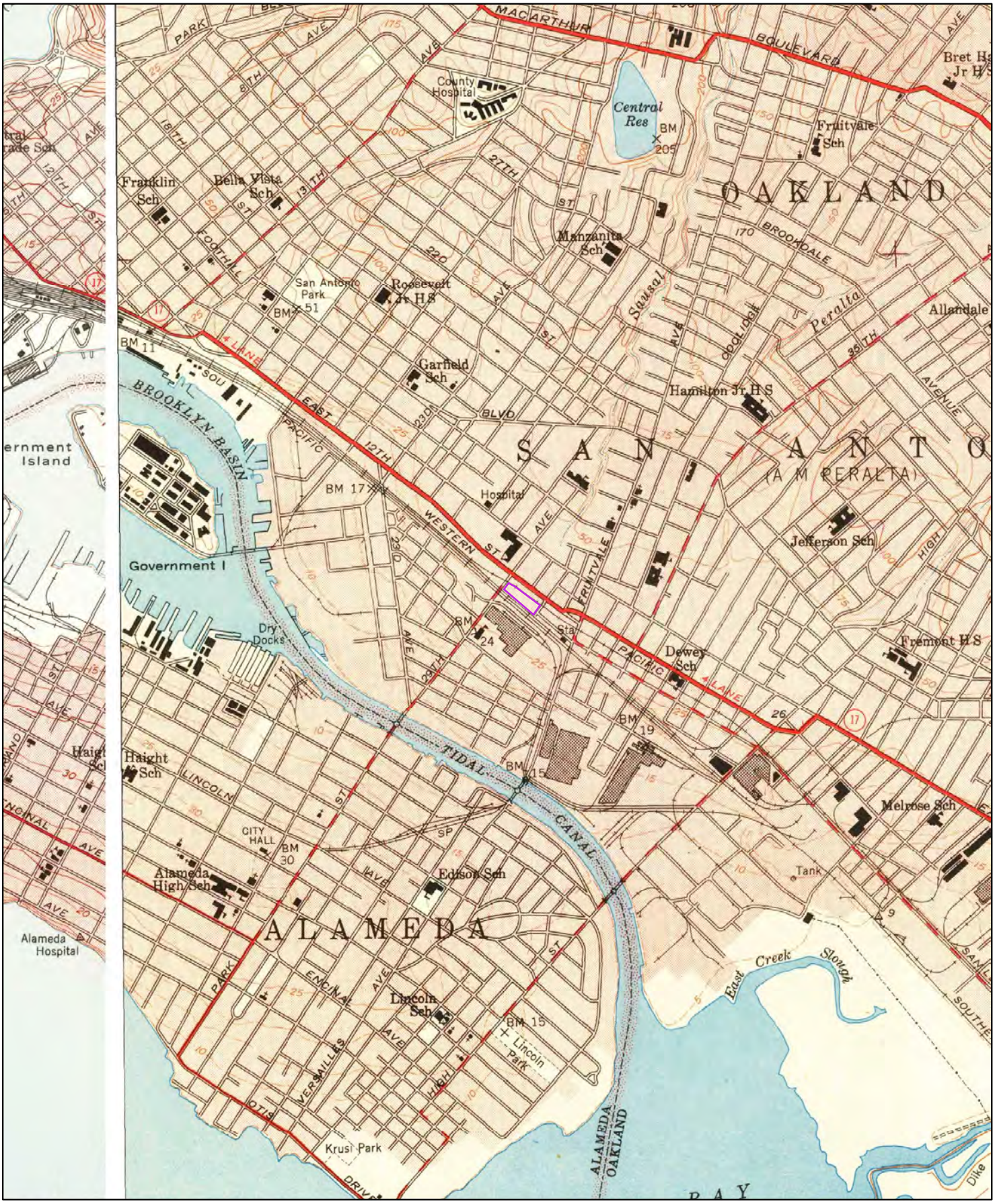
0 0.2 0.4 0.8 Miles

Order No. 20301300362

Quadrangle(s): Oakland East,CA

Source: USGS 7.5 Minute Topographic Map

ERIS ENVIRONMENTAL RISK INFORMATION SERVICES



1949

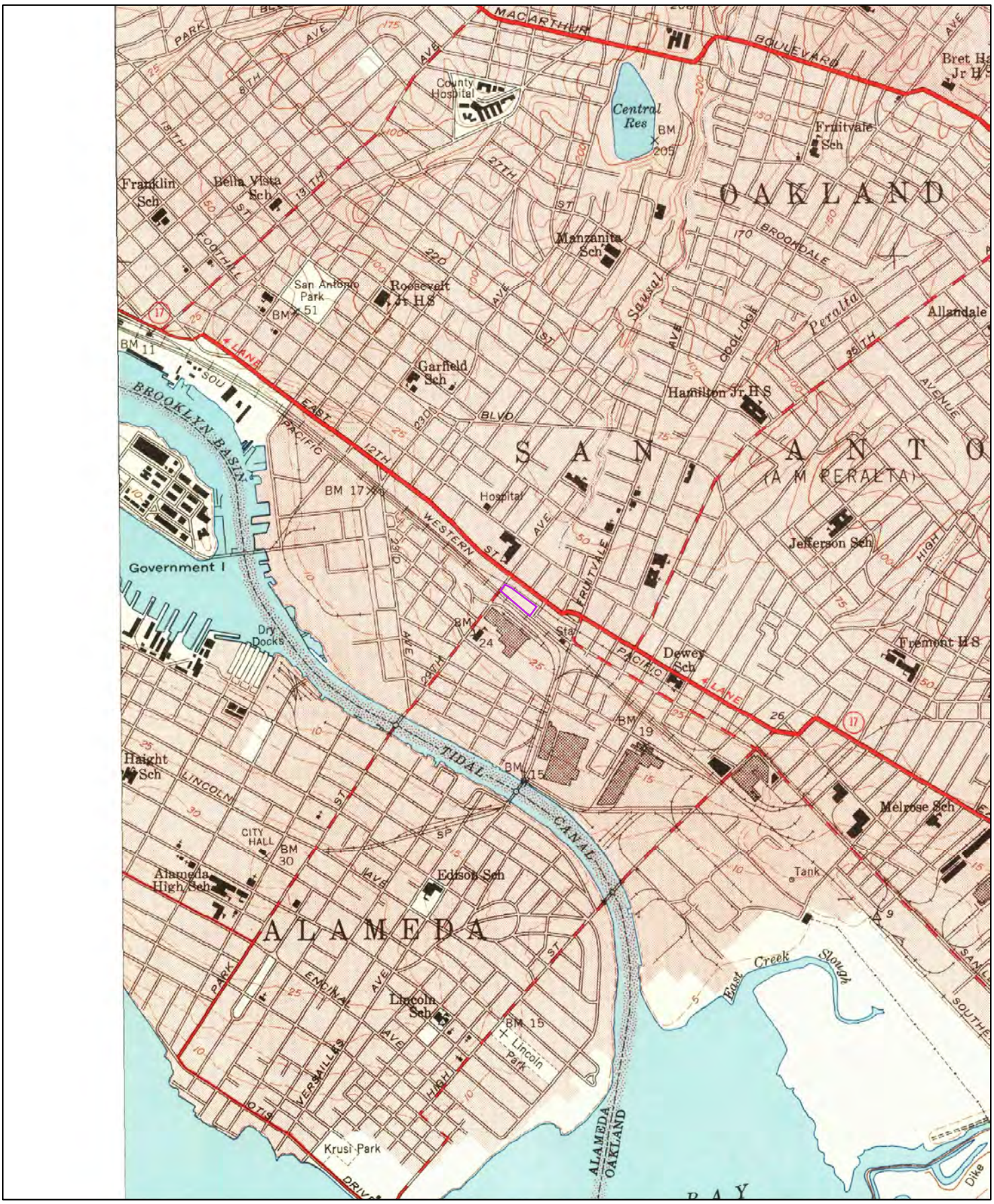
Miles
0 0.2 0.4 0.8

Order No. 20301300362

Quadrangle(s): Oakland East,CA

Source: USGS 7.5 Minute Topographic Map

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



1947

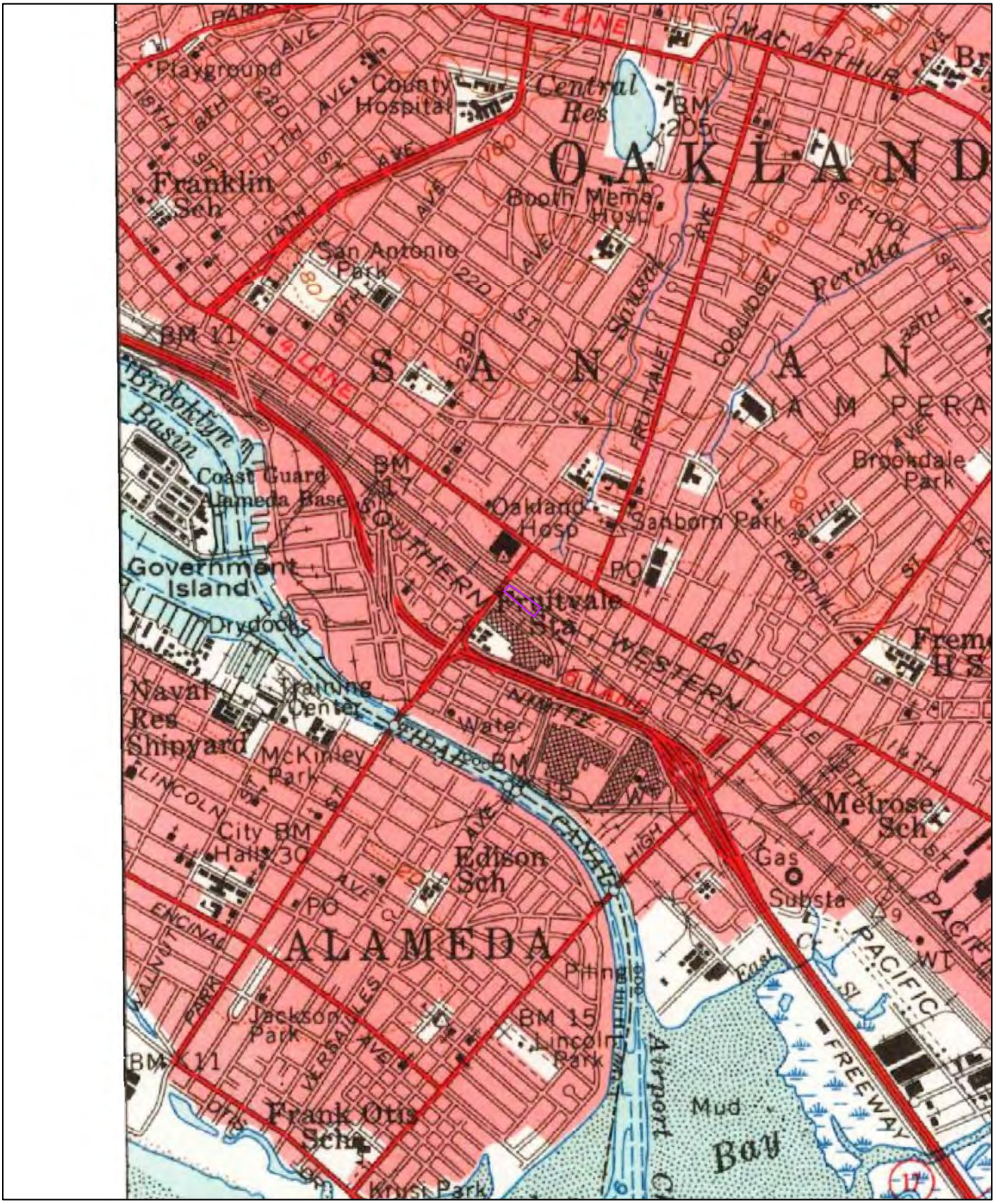
Miles
0 0.2 0.4 0.8

Order No. 20301300362

Quadrangle(s): Oakland East,CA

Source: USGS 7.5 Minute Topographic Map

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



1959

0 0.2 0.4 0.8 Miles

Order No. 20301300362

Quadrangle(s): Concord,CA

Source: USGS 15 Minute Topographic Map

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

1915

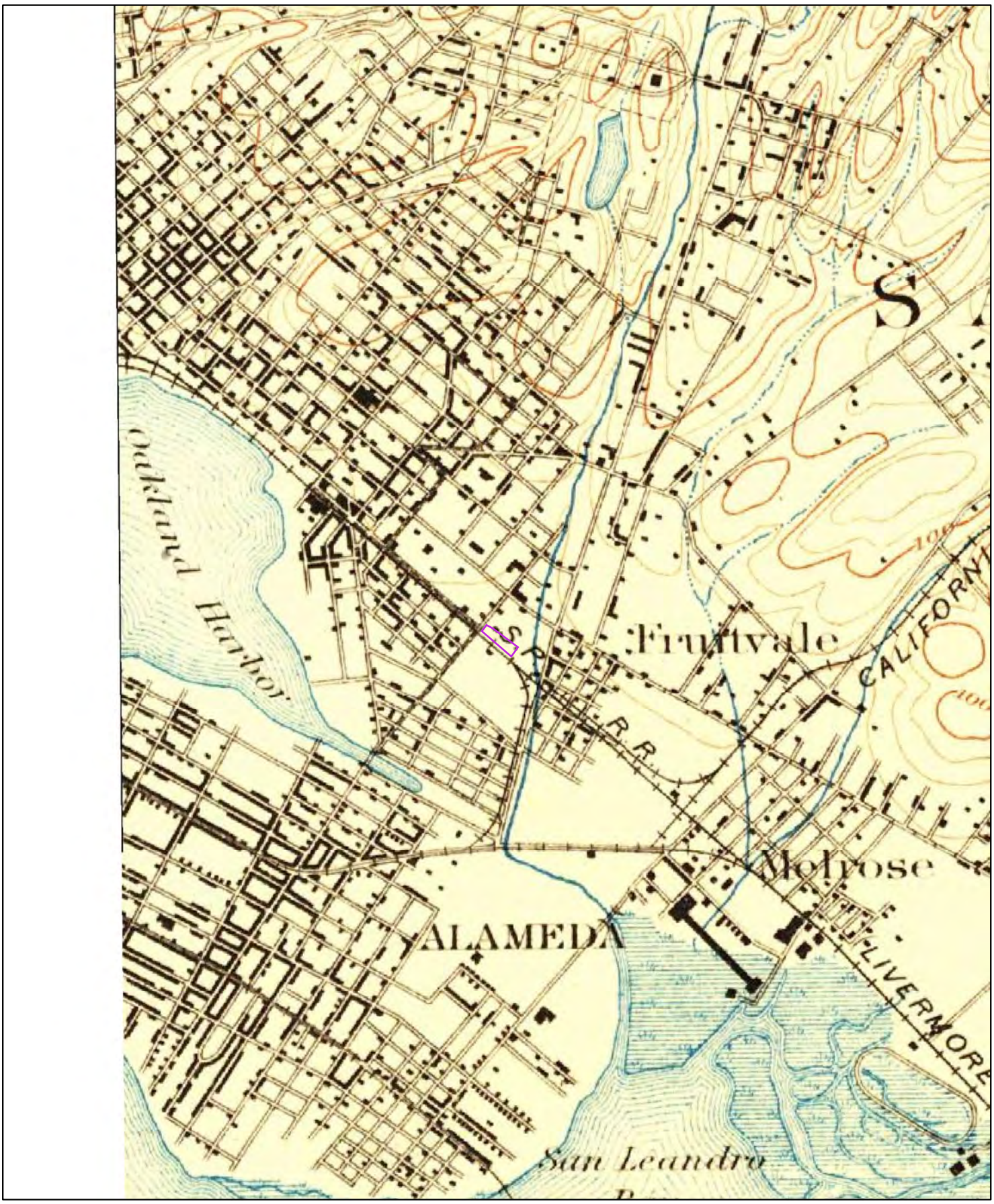
Miles
0 0.2 0.4 0.8

Order No. 20301300362

Quadrangle(s): Concord,CA

Source: USGS 15 Minute Topographic Map

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



1897

Miles
0 0.2 0.4 0.8

Order No. 20301300362

Quadrangle(s): Concord,CA

Source: USGS 15 Minute Topographic Map

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

STATE WATER RESOURCES CONTROL BOARD
HAZARDOUS SUBSTANCE STORAGE CONTAINER INFORMATION FOR ALAMEDA COUNTY

CONTAINER TYPES: 1,2,3,4,5
(1=FARM MOTOR VEHICLE FUEL TANKS, 2=ALL OTHER PRODUCT TANKS, 3=WASTE TANKS, 4=SUMPS, 5=PITS, PONDS, LAGOONS & OTHERS)

I OWNER
CALIF DEPT OF TRANSPORTATION
1120 N STREET SACRAMENTO CA 95814

II FACILITY

	MAILING ADDRESS / TOWNSHIP/RANGE/SECTION	DEALER/FOREMAN/SUPERVISOR / TELEPHONE	TYPE OF BUSINESS / NO. OF CONTAINERS
SOUTH OAKLAND 1112 29TH AVE OAKLAND CA 94601	1112 29 AVE OAKLAND CA 94601		
CROSS STREET :		(415) 536-9601	3

III 24-HR. CONTACT PERSON / TELEPHONE
DAY: ( ) - NIGHT: ( ) -

********** OWNER ASSIGNED CONTAINER NUMBER: 0000000001 ********** STATE BOARD ASSIGNED CONTAINER ID NUMBER: 0000006013001 *********

IV DESCRIPTION
A. CONTAINER TYPE : TANK
B. MANUFACTURER/YR OF MFG: /
C. YEAR INSTALLED : 1980
D. CAPACITY (GALLONS) : 4,000
E. REPAIRS : IF YES WHEN :
F. CURRENTLY USED : YES 1, NO, YEAR OF LAST USE:
G. STORES : PRODUCT
H. MOTOR VEHICLE FUEL/WASTE OIL : YES CONTAINS: DIESEL

IS CONTAINER LOCATED ON A FARM : NO

V CONTAINER CONSTRUCTION
A. THICKNESS: B. VAULTING: C. WALLING:
D. MATERIAL : FIBERGLASS
E. LINING :
F. WRAPPING :

VI PIPING
A. ABOVEGROUND PIPING : B. UNDERGROUND PIPING :
C. REPAIRS : IF YES, YEAR OF MOST RECENT REPAIR:

VII LEAK DETECTION

VIII CHEMICAL COMPOSITION OF SUBSTANCES CURRENTLY STORED IN CONTAINER
12034 DIESEL MOTOR VEHICLE FUEL

*** C01 ***

HAZARDOUS SUBSTANCE STORAGE CONTAINER INFORMATION FOR ALAMEDA COUNTY

CONTAINER TYPES: 1,2,3,4,5

(1=FARM MOTOR VEHICLE FUEL TANKS, 2=ALL OTHER PRODUCT TANKS, 3=WASTE TANKS, 4=SUMPS, 5=PITS, PONDS, LAGOONS & OTHERS)

********** OWNER ASSIGNED CONTAINER NUMBER: 0000000002 ********** STATE BOARD ASSIGNED CONTAINER ID NUMBER: 00000068013002 *********

IV DESCRIPTION
A. CONTAINER TYPE : TANK
B. MANUFACTURER/YR OF MFG: /
C. YEAR INSTALLED : 1969
D. CAPACITY (GALLONS) : 2,000
E. REPAIRS : IF YES WHEN :
F. CURRENTLY USED : YES IF NO, YEAR OF LAST USE:
G. STORES : PRODUCT
H. MOTOR VEHICLE FUEL/WASTE OIL : YES CONTAINS: REGULAR

IS CONTAINER LOCATED ON A FARM : NO

V CONTAINER CONSTRUCTION
A. THICKNESS: B. VAULTING: C. WALLING:
D. MATERIAL : CARBON STEEL
E. LINING :
F. WRAPPING :

VI PIPING
A. ABOVEGROUND PIPING : B. UNDERGROUND PIPING :
C. REPAIRS : IF YES, YEAR OF MOST RECENT REPAIR:

VII LEAK DETECTION

VIII CHEMICAL COMPOSITION OF SUBSTANCES CURRENTLY STORED IN CONTAINER
12032 REGULAR MOTOR VEHICLE FUEL

********** OWNER ASSIGNED CONTAINER NUMBER: 0000000003 ********** STATE BOARD ASSIGNED CONTAINER ID NUMBER: 00000068013003 *********

IV DESCRIPTION
A. CONTAINER TYPE : TANK
B. MANUFACTURER/YR OF MFG: /
C. YEAR INSTALLED : 1980
D. CAPACITY (GALLONS) : 1,000
E. REPAIRS : IF YES WHEN :
F. CURRENTLY USED : YES IF NO, YEAR OF LAST USE:
G. STORES : PRODUCT
H. MOTOR VEHICLE FUEL/WASTE OIL : NO CONTAINS:

IS CONTAINER LOCATED ON A FARM : NO

V CONTAINER CONSTRUCTION
A. THICKNESS: B. VAULTING: C. WALLING:
D. MATERIAL : CARBON STEEL
E. LINING :
F. WRAPPING :

VI PIPING
A. ABOVEGROUND PIPING : B. UNDERGROUND PIPING :
C. REPAIRS : IF YES, YEAR OF MOST RECENT REPAIR:

VII LEAK DETECTION

VIII CHEMICAL COMPOSITION OF SUBSTANCES CURRENTLY STORED IN CONTAINER
NONE

ALAMEDA COUNTY, DEPARTMENT OF
ENVIRONMENTAL HEALTH

80 Swan Way, #200
Oakland, CA 94621
(415) 271-4320

Hazardous Materials Division Inspection Form

Site ID# _____ Site Name Cal Trans Today's Date 5/4/93

Site Address 1112 29th Ave EPA ID# _____

City Oak Zip 94601 Phone _____

MAX Amt. Stored > 500lbs/55g/200cf? Y N
Hazardous Waste generated per month? _____

Inspection Categories:
___ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
___ II. Business Plans, Acute Hazardous Materials
X III. Underground Tanks

The marked items represent violations of the Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

I.A GENERATOR (Title 22)

	___ 1. Waste ID	* 66471
	___ 2. EPA ID	66472
	___ 3. > 90 days	66508
	___ 4. Label dates	66508
	___ 5. Biennial	66493
Manifest	___ 6. Records	66492
	___ 7. Correct	66484
	___ 8. Copy sent	66492
	___ 9. Exception	66484
	___ 10. Copies Rec'd	66492
Misc.	___ 11. Treatment	66371
	___ 12. On-site Disp. (H.S.&C.)	26189.5
	___ 13. Ex Haz. Waste	66570
Prevention	___ 14. Communications	67121
	___ 15. Aisle Space	67124
	___ 16. Local Authority	67126
	___ 17. Maintenance	67120
	___ 18. Training	67105
Contin. gency	___ 19. Prepared	67140
	___ 20. Name List	67141
	___ 21. Copies	67141
	___ 22. Emg. Coord. Trng.	67144
Containers, Tanks	___ 23. Condition	67241
	___ 24. Compatibility	67242
	___ 25. Maintenance	67243
	___ 26. Inspection	67244
	___ 27. Buffer Zone	67246
	___ 28. Tank Inspection	67259
	___ 29. Containment	67245
	___ 30. Safe Storage	67261
	___ 31. Freeboard	67257

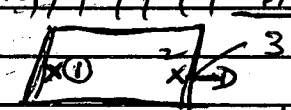
I.B TRANSPORTER (Title 22)

	___ 32. Applic./Insurance	66428
	___ 33. Comp. Cert./CHP Insp.	66448
	___ 34. Containers	66465
Manifest	___ 35. Vehicles	66465
	___ 36. EPA ID #s	66531
	___ 37. Correct	66541
	___ 38. HW Delivery	66543
	___ 39. Records	66544
Cont'rs	___ 40. Name/ Covers	66545
	___ 41. Recyclables	66800

Rev 6/88

Comments:

Witness the removal of 1-1000 fibreglass tank formerly held ~~mix~~ thinner in the gas + diesel range
Margaret Gabil
Jack Gillotti
Mike Blackstone
Stanley Ng
} Cal/Trans
Linda Pohl of MPH sampler
Velita Holmes OFD inspector
LEL = 5% & O_2 = 5%, no obvious holes observed
Transporter: Northern Truck & Eq, license # 311562 exp. Nov. 93
Tank is on south end of yard next to Derby Ave
////// Derby ////// Driveway //// fence
S E W N



Pit approx. 8 x 12 x 6.5', backfilled w/ pea gravel
GW encountered @ ~7', not enough to sple
Sple X1 into east sidewall ~7' into blue gray clay
sple X2 into west sidewall blue gray clay @ 6'5"
sple 3 under product piping 3 BGS

Contact: ~~M. Gabil~~ L. Pohl

Title: _____ Inspector: B Chan

Signature: [signature] Signature: [signature]

1 discrete sple of backfill ~10 cu yds taken (pea gravel)
All specs to be analyzed for TPHg + d + BTEX

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. Form designed for use on e 12-pitch typewriter).

See Instructions on Back of Page 6 and Front of e 7

8148

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD982029324 | Manifest Document No. 43421

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
DEPARTMENT OF TRANSPORTATION
1112 29TH AVENUE, OAKLAND, CA 94601

4. Generator's Phone (510) 286-4311

A. State Manifest Document Number: 90843421

B. State Generator's ID:

5. Transporter 1 Company Name: NORTHERN TRUCK & EQUIPMENT

6. US EPA ID Number: CAD983587759

C. State Transporter's ID: 311562

D. Transporter's Phone: 415-429-8920

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
ERICKSON, INC.
255 PARR BLVD
RICHMOND, CA 94801

10. US EPA ID Number: CAD009466392

G. State Facility's ID: CAD009466392

H. Facility's Phone: 510-235-1393

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. WASTE EMPTY STORAGE TANK NON-RCRA HAZARDOUS WASTE SOLID	001	TP	01000	P	State 512 / EPA/Other NONE
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
QTY. 1 EMPTY STORAGE TANK #11152. TANK HAS BEEN INERTED WITH 15 LBS OF DRY ICE PER 1000 GALLON CAPACITY

K. Handling Codes for Wastes Listed Above
a. 99 b. c. d.

15. Special Handling Instructions and Additional Information
KEEP AWAY FROM SOURCES OF IGNITION. ALWAYS WEAR HARDHATS WHEN WORKING AROUND U.G.S.T.'S 24 HR. CONTACT NAME: MARGARET GABIL @ 510-286-4509.

16.
GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: JACK GIOLITTI | Signature: Jack Giolitti | Month Day Year: 05 14 93

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: HUNTER PAUL D | Signature: Paul D Hunter | Month Day Year: 05 14 93

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: KAREN RUFFIN | Signature: Karen Ruffin | Month Day Year: 05 14 93

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

90843421

Do Not Write Below This Line

DHS 8022 A
EPA 8700—22
(Rev. 6-89) Previous editions are obsolete.

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS

IGHT
PHONE
10) 235-1393

CERTIFICATE

CERTIFIED SERVICES COMPANY

255 Parr Boulevard • Richmond, California 94801

NO. 12630

CUSTOMER MPH

JOB NO. 81489

FOR: Erickson, Inc. TANK NO. 11152

LOCATION: Richmond DATE: 05/20/93 TIME: 13:55:28

TEST METHOD Visual Gastech/1314 SMPN LAST PRODUCT LG

This is to certify that I have personally determined that this tank is in accordance with the American Petroleum Institute and have found the condition to be in accordance with its assigned designation. This certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

TANK SIZE 1000 Gallon Tank CONDITION SAFE FOR FIRE

REMARKS: OXYGEN 20.9%
LOWER EXPLOSIVE LIMIT LESS THAN 0.1%

"ERICKSON INC. HEREBY CERTIFIES THAT THE ABOVE NUMBERED TANK HAS BEEN CUT OPEN, PROCESSED, AND THEREFORE DESTROYED AT OUR PERMITTED HAZARDOUS WASTE FACILITY."

In the event of any physical or atmospheric changes affecting the gas-free conditions of the above tanks, or if in any doubt, immediately stop all hot work and contact the undersigned. This permit is valid for 24 hours if no physical or atmospheric changes occur.

STANDARD SAFETY DESIGNATION

SAFE FOR MEN: Means that in the compartment or space so designated (a) The oxygen content of the atmosphere is at least 19.5 percent by volume; and that (b) Toxic materials in the atmosphere are within permissable concentrations; and (c) In the judgment of the Inspector, the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Inspector's certificate.

SAFE FOR FIRE: Means that in the compartment so designated (a) The concentration of flammable materials in the atmosphere is below 10 percent of the lower explosive limit; and that (b) In the judgment of the Inspector, the residues are not capable of producing a higher concentration that permitted under existing atmospheric conditions in the presence of fire and while maintained as directed on the Inspector's certificate, and further, (c) All adjacent spaces have either been cleaned sufficiently to prevent the spread of fire, are satisfactorily inerted, or in the case of fuel tanks, have been treated as deemed necessary by the Inspector.

The undersigned representative acknowledges receipt of this certificate and understands the conditions and limitations under which it was issued.

REPRESENTATIVE Kalita TITLE INSPECTOR

NATIONAL
ENVIRONMENTAL
TESTING, INC.

NET Pacific, Inc.
435 Tesconi Circle
Santa Rosa, CA 95401
Tel: (707) 526-7200
Fax: (707) 526-9623

Linda Pool
MPH, Inc.
PO Box 1921
Santa Rosa, CA 95402

Date: 05/26/1993
NET Client Acct No: 28500
NET Pacific Job No: 93.01989
Received: 05/14/1993

Client Reference Information

Cal Trans, Oakland, Project No. C-246

Sample analysis in support of the project referenced above has been completed and results are presented on following pages. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Should you have questions regarding procedures or results, please feel welcome to contact Client Services.

Approved by:

Jules Skamarack
Laboratory Manager

JS:rct
Enclosure(s)

Client No: 28500
Client Name: MPH, Inc.
NET Log No: 93.01989

Date: 05/26/1993

Ref: Cal Trans, Oakland, Project No. C-246

Descriptor, Lab No. and Results

Parameter	S-FE 05/14/1993 11:50 157368	S-PE 05/14/1993 12:04 157369	Reporting Limit	Units	Method
TPH (Gas/BTXE,Solid)					
METHOD 5030 (GC,FID)	--	--			
DATE ANALYZED	05-18-93	05-18-93			
DILUTION FACTOR*	1	1			
as Gasoline	ND	1.4**	1	mg/kg	5030
METHOD 8020 (GC,Solid)	--	--			
DATE ANALYZED	05-18-93	05-18-93			
DILUTION FACTOR*	1	1			
Benzene	ND	ND	2.5	ug/kg	8020
Ethylbenzene	ND	ND	2.5	ug/kg	8020
Toluene	ND	ND	2.5	ug/kg	8020
Xylenes (Total)	ND	6.5	2.5	ug/kg	8020
SURROGATE RESULTS	--	--			
Bromofluorobenzene	81	92		% Rec.	5030
METHOD 3550 (GC,FID)					
DILUTION FACTOR*	1	1			
DATE EXTRACTED	05-17-93	05-17-93			
DATE ANALYZED	05-18-93	05-18-93			
as Diesel	ND	5.6***	1	mg/kg	3550

** The positive result for Petroleum Hydrocarbons as Gasoline appears to be due to the presence of heavier hydrocarbons rather than Gasoline.

*** The positive result for Petroleum Hydrocarbons as Diesel appears to be due to the presence of lighter hydrocarbons rather than Diesel.

Client No: 28500
Client Name: MPH, Inc.
NET Log No: 93.01989

Date: 05/26/1993

Ref: Cal Trans, Oakland, Project No. C-246

Descriptor, Lab No. and Results

Parameter	S-P 05/14/1993 12:10 157370	S-SP 05/14/1993 12:35 157371	Reporting Limit	Units	Method
TPH (Gas/BTXE,Solid)					
METHOD 5030 (GC,FID)	--	--			
DATE ANALYZED	05-18-93	05-18-93			
DILUTION FACTOR*	1	1			
as Gasoline	ND	ND	1	mg/kg	5030
METHOD 8020 (GC,Solid)	--	--			
DATE ANALYZED	05-18-93	05-18-93			
DILUTION FACTOR*	1	1			
Benzene	ND	ND	2.5	ug/kg	8020
Ethylbenzene	ND	ND	2.5	ug/kg	8020
Toluene	ND	ND	2.5	ug/kg	8020
Xylenes (Total)	ND	ND	2.5	ug/kg	8020
SURROGATE RESULTS	--	--			
Bromofluorobenzene	76	87		% Rec.	5030
METHOD 3550 (GC,FID)					
DILUTION FACTOR*	1	1			
DATE EXTRACTED	05-17-93	05-17-93			
DATE ANALYZED	05-18-93	05-21-93			
as Diesel	2.2**	ND	1	mg/kg	3550

** The positive result for Petroleum Hydrocarbons as Diesel appears to be due to the presence of lighter hydrocarbons rather than Diesel.

Client No: 28500
Client Name: MPH, Inc.
NET Log No: 93.01989

Date: 05/26/1993

Ref: Cal Trans, Oakland, Project No. C-246

QUALITY CONTROL DATA

Parameter	Reporting Limits	Units	Cal Verf Stand % Recovery	Blank Data	Spike % Recovery	Duplicate Spike % Recovery	RPD
Gasoline	1.0	mg/kg	98	ND	93	90	3.3
Benzene	2.5	ug/kg	92	ND	95	94	1.5
Toluene	2.5	ug/kg	90	ND	94	93	1.0
Diesel	1	mg/kg	110	ND	91	93	2.0

COMMENT: Blank Results were ND on other analytes tested.

NET®

KEY TO ABBREVIATIONS and METHOD REFERENCES

<	:	Less than; When appearing in results column indicates analyte not detected at the value following. This datum supercedes the listed Reporting Limit.
*	:	Reporting Limits are a function of the dilution factor for any given sample. To obtain the actual reporting limits for this sample, multiply the stated Reporting Limits by the dilution factor (but do not multiply reported values).
ICVS	:	Initial Calibration Verification Standard (External Standard).
mean	:	Average; sum of measurements divided by number of measurements.
mg/Kg (ppm)	:	Concentration in units of milligrams of analyte per kilogram of sample, wet-weight basis (parts per million).
mg/L	:	Concentration in units of milligrams of analyte per liter of sample.
mL/L/hr	:	Milliliters per liter per hour.
MPN/100 mL	:	Most probable number of bacteria per one hundred milliliters of sample.
N/A	:	Not applicable.
NA	:	Not analyzed.
ND	:	Not detected; the analyte concentration is less than applicable listed reporting limit.
NTU	:	Nephelometric turbidity units.
RPD	:	Relative percent difference, 100 [Value 1 - Value 2]/mean value.
SNA	:	Standard not available.
ug/Kg (ppb)	:	Concentration in units of micrograms of analyte per kilogram of sample, wet-weight basis (parts per billion).
ug/L	:	Concentration in units of micrograms of analyte per liter of sample.
umhos/cm	:	Micromhos per centimeter.

Method References

Methods 100 through 493: see "Methods for Chemical Analysis of Water & Wastes", U.S. EPA, 600/4-79-020, rev. 1983.

Methods 601 through 625: see "Guidelines Establishing Test Procedures for the Analysis of Pollutants" U.S. EPA, 40 CFR, Part 136, rev. 1988.

Methods 1000 through 9999: see "Test Methods for Evaluating Solid Waste", U.S. EPA SW-846, 3rd edition, 1986.

SM: see "Standard Methods for the Examination of Water & Wastewater, 17th Edition, APHA, 1989.

M. P. H., INC.
P. O. BOX 1921
SANTA ROSA, CA 95402
707-528-1493
707-528-0727 (FAX)

CHAIN OF CUSTODY RECORD

3601

Turn-Around Time 5-10 day turnaround
Lab Net Pacific
Contact Person

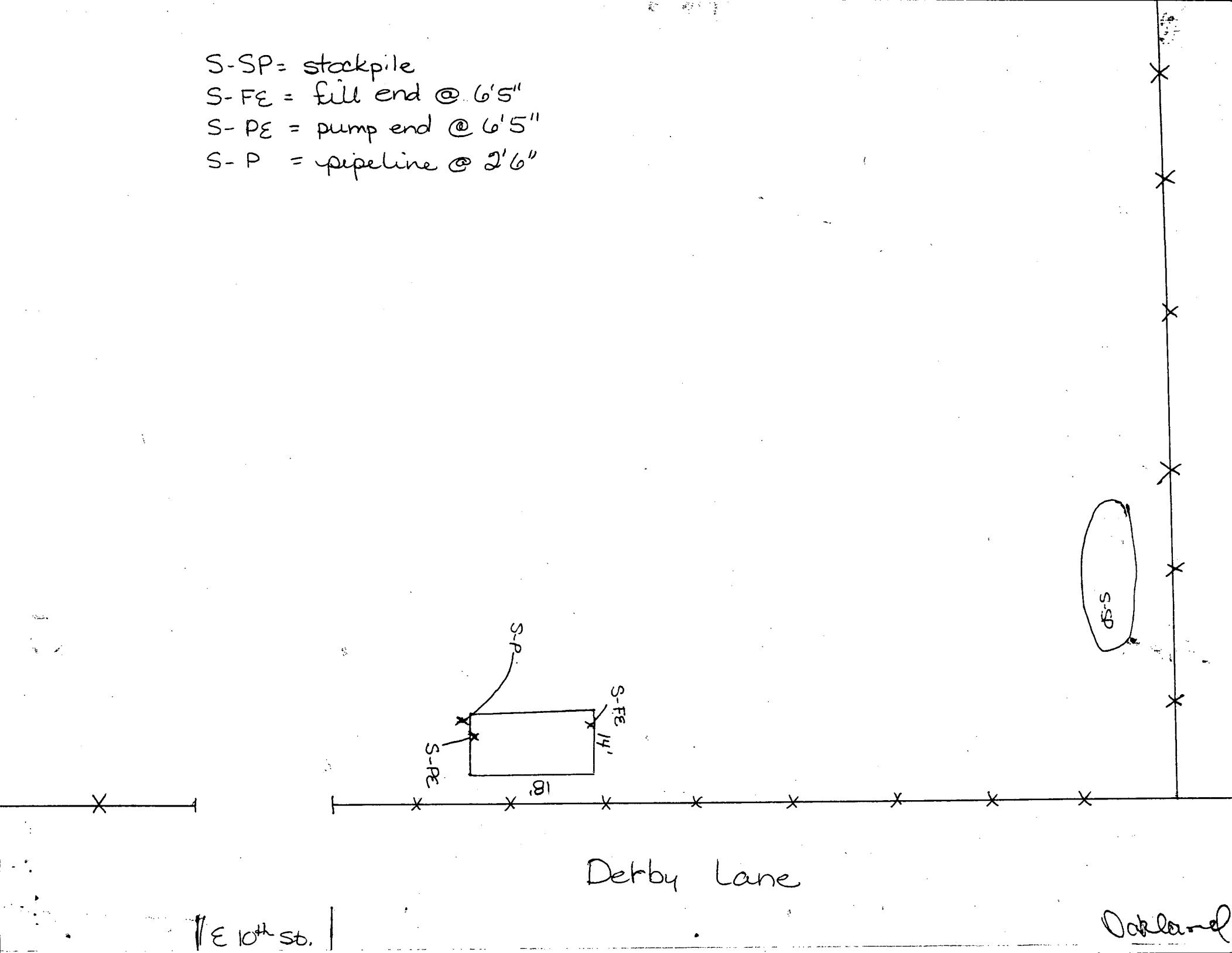
Project No. C-246
Project Name and Location Cal Trans - Oakland
Samplers: (Signature) Linda Pool

Station	Date	Time	Media	Depth	Composites	No. of Containers	Station Location	TPH as Gas	TPH as Diesel	BTX&E							Remarks	Detection Limits
S-FE	5-14-93	11:50	Soil	6'5"	—	1	Fill End	x	x	x								
S-PE	5-14-93	12:04	Soil	6'5"	-	1	Pump End	x	x	x								
S-P	5-14-93	12:10	Soil	2'6"	-	1	Pipe Line	x	x	x								
S-SP	5-14-93	12:35	Soil	1'	—	1	Stockpile	x	x	x							(Gravel)	

5-day turnaround only

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Linda Pool	5-14-93 17:25				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks:	
		J. Sorensen	5/14/93 17:25		

S-SP = stockpile
S-FE = fill end @ 6'5"
S-PE = pump end @ 6'5"
S-P = pipeline @ 2'6"



N. Lew

BAY AREA AIR QUALITY MANAGEMENT DISTRICT
939 ELLIS STREET
SAN FRANCISCO, CALIFORNIA 94109
(415) 771-6000

REGULATION 8, RULE 40
Aeration of Contaminated Soil and Removal of Underground Storage Tanks

NOTIFICATION FORM

XX Removal or Replacement of Tanks
____ Excavation of Contaminated Soil

May 5, 1993

SITE INFORMATION

SITE ADDRESS: 1112 29th Avenue
CITY, STATE: Oakland, CA ZIP: 94601
OWNER NAME: Cal Trans - Department of Transportation
SPECIFIC LOCATION OF PROJECT: along south east side of property

TANK REMOVAL - solvent tank
SCHEDULED STARTUP DATE: 5-11-93
VAPORS REMOVED BY:
[ ] WATER WASH
[XX] VAPOR FREEING (CO^2)
[ ] VENTILATION

CONTAMINATED SOIL EXCAVATION
SCHEDULED STARTUP DATE: ____
STOCKPILES WILL BE COVERED? YES ____ NO ____
ALTERNATIVE METHOD OF AERATION (DESCRIBE BELOW):
____
(MAY REQUIRE PERMIT)

CONTRACTOR INFORMATION

NAME: M. P. H., Inc. CONTACT: Linda Pool
ADDRESS: P. O. Box 1921 PHONE (707) 528-1493
CITY, STATE, ZIP: Santa Rosa, CA 95402

CONSULTANT INFORMATION
(IF APPLICABLE)

NAME: ____ CONTACT: ____
ADDRESS: ____ PHONE ( ) ____
CITY, STATE, ZIP: ____

FOR OFFICE USE ONLY

DATE RECEIVED FAX: 5/5/93 BY: Pbg (init.)
DATE POSTMARKED: ____ BY: ____ (init.)
CC: INSPECTOR NO. 553 DATE: 5/7/93 BY: Pbg (init.)
UPDATE: CONTACT NAME: ____ DATE: ____ BY: ____ (init.)
BAAQMD N #: ____ DATA ENTRY: ____

FROM

M. P. H., INC.
License No. 276290
P.O. Box 1921
SANTA ROSA, CALIFORNIA 95402

(707) 528-1493

Message Reply

DATE: Apr: 19, 1993

FILE NO. C-246

PRIORITY
- [x] URGENT!
- [ ] SOON AS POSSIBLE
- [ ] NO REPLY NEEDED

ATTENTION: Mr. Bernie Chan

TO
Alameda Cty Health Care Ser. Agny
Dept of Env Health
Hazardous Materials Division
80 Swan Way, Rm 200
Oakland, CA 94621

SUBJECT: Tank Removal:
1112 - 29th Avenue
Oakland, CA 94601
Cal Trans - Dept of Transp.

MESSAGE

Dear Bernie:

As per your request attached please find form A & B, copy of Hazardous Substances Removal and Remedial Actions Certification. Please note also, after completion of contract, Margaret Gable remains the contact person. Telephone 510-286-4495. Should you have any further questions, please contact us.

Sincerely,

SIGNED: Linda

DATE OF REPLY:

REPLY TO:

REPLY

SIGNED:

SENDER: MAIL RECIPIENT WHITE AND PINK SHEETS.

FROM

M. P. H., INC.
License No. 276290
P.O. Box 1921
SANTA ROSA, CALIFORNIA 95402

(707) 528-1493

Message Reply

DATE: April 19, 1993

FILE NO. C-246

PRIORITY
- ☐ URGENT!
- ☐ SOON AS POSSIBLE
- ☐ NO REPLY NEEDED

ATTENTION: Mr. Bernie Chan

TO
Alameda Cty Health Care Ser. Agny
Dept of Env Health
Hazardous Materials Division
80 Swan Way, Rm 200
Oakland, CA 94621

SUBJECT: Tank Removal:
1112 - 29th Avenue
Oakland, CA 94601
Cal Trans - Dept of Transp.

MESSAGE

Dear Bernie:

As per your request attached please find form A & B, copy of Hazardous Substances Removal and Remedial Actions Certification. Please note also, after completion of contract, Margaret Gable remains the contact person. Telephone 510-286-4495. Should you have any further questions, please contact us.

Sincerely,

SIGNED: Linda

DATE OF REPLY:

REPLY TO:

REPLY

SIGNED:

RECIPIENT: WRITE REPLY. RETURN WHITE TO SENDER. KEEP THIS PINK COPY.

FROM

M. P. H., INC.
License No. 276290
P.O. Box 1921
SANTA ROSA, CALIFORNIA 95402

(707) 528-1493

Message Reply

DATE: apr 5, 1993

FILE NO. C-246

ATTENTION:

PRIORITY
- ☐ URGENT!
- ☐ SOON AS POSSIBLE
- ☐ NO REPLY NEEDED

TO

Alameda County Health Care Services Agency
Department of environmental Health
Hazardous Materials Division
80 Swan Way, Room 200
Oakland, CA 94621

SUBJECT:
Tank Removal:
1112 - 29th Avenue
Oakland, CA 94601
Cal Trans - DOT

MESSAGE

To Whom It May Concern:

Enclosed please find three (3) copies of your permit application, our check for $483, site may, site safety plan, MSDS and workman comp certificate.

Please call and let me know when our permit has been approved.

Sincerely,

SIGNED: Linda

DATE OF REPLY:

REPLY TO:

REPLY

SIGNED:

SENDER: MAIL RECIPIENT WHITE AND PINK SHEETS.

FROM

M. P. H., INC.
License No. 276290
P.O. Box 1921
SANTA ROSA, CALIFORNIA 95402

(707) 528-1493

Message Reply

DATE: apr 5, 1993

FILE NO. C-246

ATTENTION:

PRIORITY
- ☐ URGENT!
- ☐ SOON AS POSSIBLE
- ☐ NO REPLY NEEDED

TO

Alameda County Health Care Services Agency
Department of environmental Health
Hazardous Materials Division
80 Swan Way, Room 200
Oakland, CA 94621

SUBJECT:
Tank Removal:
1112 - 29th Avenue
Oakland, CA 94601
Cal Trans - DOT

MESSAGE

To Whom It May Concern:

Enclosed please find three (3) copies of your permit application, our check for $483, site may, site safety plan, MSDS and workman comp certificate.

Please call and let me know when our permit has been approved.

Sincerely,

SIGNED: Linda

REPLY

DATE OF REPLY:

REPLY TO:

SIGNED:

RECIPIENT: WRITE REPLY. RETURN WHITE TO SENDER. KEEP THIS PINK COPY.

STATE OF CALIFORNIA
STATE AND CONSUMER SERVICES AGENCY

DEPARTMENT OF
Consumer Affairs

CONTRACTORS STATE LICENSE BOARD

Building Quality

HAZARDOUS SUBSTANCES REMOVAL AND REMEDIAL ACTIONS CERTIFICATION

Pursuant to the provisions of Section 7058.7 of the Business and Professions Code, the Registrar of Contractors does hereby certify that the following qualifying person has successfully completed the hazardous substances removal and remedial actions examination.

Qualifier: C. WESLEY POOL

License No.: 276290

Namestyle: M. P. H., INC.

DEPARTMENT OF CONSUMER AFFAIRS
REGISTRAR OF CONTRACTORS
STATE OF CALIFORNIA

WITNESS *my hand and official seal this* 15TH *day of* OCTOBER, 1990

David R Phillips
Registrar of Contractors

This certification is the property of the Registrar of Contractors, is not transferable, and shall be returned to the Registrar upon demand when suspended, revoked, or invalidated for any reason.

13L-36 (7/88)

A3597

P1

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

80 Swan Way, #200
Oakland, CA 94621
(415) 271-4320

Hazardous Materials Division Inspection Form

Site ID# _____ Site Name Caltrans Today's Date 3/31/92

Site Address 1112 29th Avenue EPA ID# _____

City Oakland Zip 94601 Phone 536-9601

MAX Amt. Stored > 500lbs/55g/200cf? Y N
Hazardous Waste generated per month? _____

Inspection Categories:
___ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
___ II. Business Plans, Acute Hazardous Materials
___ III. Underground Tanks

The marked items represent violations of the Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

I.A GENERATOR (Title 22)

	___ 1. Waste ID	* 66471
	___ 2. EPA ID	66472
	___ 3. > 90 days	66508
	___ 4. Label dates	66508
	___ 5. Biennial	66493
Manifest	___ 6. Records	66492
	___ 7. Correct	66484
	___ 8. Copy sent	66492
	___ 9. Exception	66484
	___ 10. Copies Rec'd	66492
Misc.	___ 11. Treatment	66371
	___ 12. On-site Disp. (H.S.&C.)	26189.5
	___ 13. Ex Haz. Waste	66570
Prevention	___ 14. Communications	67121
	___ 15. Aisle Space	67124
	___ 16. Local Authority	67126
	___ 17. Maintenance	67120
	___ 18. Training	67105
Contin. gency	___ 19. Prepared	67140
	___ 20. Name List	67141
	___ 21. Copies	67141
	___ 22. Emg. Coord. Trng.	67144
Containers, Tanks	___ 23. Condition	67241
	___ 24. Compatibility	67242
	___ 25. Maintenance	67243
	___ 26. Inspection	67244
	___ 27. Buffer Zone	67246
	___ 28. Tank Inspection	67259
	___ 29. Containment	67245
	___ 30. Safe Storage	67261
	___ 31. Freeboard	67257

I.B TRANSPORTER (Title 22)

	___ 32. Applic./Insurance	66428
	___ 33. Comp. Cert./CHP Insp.	66448
	___ 34. Containers	66465
Manifest	___ 35. Vehicles	66465
	___ 36. EPA ID #s	66531
	___ 37. Correct	66541
	___ 38. HW Delivery	66543
	___ 39. Records	66544
Cont'rs	___ 40. Name/ Covers	66545
	___ 41. Recyclables	66800

Rev 6/88

Comments:

Site visit at Caltrans Corp maintenance yard regarding haz materials, waste storage

Vehicles are maintained on the premisis and waste oil is retained onsite. Currently Caltrans is negotiating with a different haz waste disposal company for pickup.

(1) 2000 gallon underground storage unleaded
(1) 4000 gal. diesel UST

inventory reconcilliation is currently not being conducted daily. I informed Jack Grotilli that daily stick / dispensor readings must be conducted. I discussed the procedure with him and promised to send a monthly reporting form to him.

Please send a copy of the annual tank integrity test to this office at your earliest convenience

The paint thinner UST in the back of the property needs to be either properly permitted/monitored or removed
Please address this issue ASAP.

Contact: Jack Grotelli
Title: Area Superintendent
Signature: Jack Grotelli

Inspector: Paul Smith
Signature: Paul M. Smith

P2

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

80 Swan Way, #200
Oakland, CA 94621
(415) 271-4320

Hazardous Materials Division Inspection Form

I

Site ID# _____ Site Name Caltrans Today's Date 3/31/92

Site Address 1112 29th Avenue EPA ID# _____

City Oakland Zip 94601 Phone 536-9601

MAX Amt. Stored > 500lbs/55g/200cf? Y N
Hazardous Waste generated per month? _____

Inspection Categories:
___ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
___ II. Business Plans, Acute Hazardous Materials
___ III. Underground Tanks

The marked items represent violations of the Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

I.A GENERATOR (Title 22)

	___ 1. Waste ID	* 66471
	___ 2. EPA ID	66472
	___ 3. > 90 days	66508
	___ 4. Label dates	66508
	___ 5. Biennial	66493
Manifest	___ 6. Records	66492
	___ 7. Correct	66484
	___ 8. Copy sent	66492
	___ 9. Exception	66484
	___ 10. Copies Rec'd	66492
Misc.	___ 11. Treatment	66371
	___ 12. On-site Disp. (H.S.&C.)	26189.5
	___ 13. Ex Haz. Waste	66570
Prevention	___ 14. Communications	67121
	___ 15. Aisle Space	67124
	___ 16. Local Authority	67126
	___ 17. Maintenance	67120
	___ 18. Training	67105
Contin. gency	___ 19. Prepared	67140
	___ 20. Name List	67141
	___ 21. Copies	67141
	___ 22. Emg. Coord. Trng.	67144
Containers, Tanks	___ 23. Condition	67241
	___ 24. Compatibility	67242
	___ 25. Maintenance	67243
	___ 26. Inspection	67244
	___ 27. Buffer Zone	67246
	___ 28. Tank Inspection	67259
	___ 29. Containment	67245
	___ 30. Safe Storage	67261
	___ 31. Freeboard	67257

I.B TRANSPORTER (Title 22)

	___ 32. Applic./Insurance	66428
	___ 33. Comp. Cert./CHP Insp.	66448
	___ 34. Containers	66465
Manifest	___ 35. Vehicles	66465
	___ 36. EPA ID #s	66531
	___ 37. Correct	66541
	___ 38. HW Delivery	66543
	___ 39. Records	66544
Cont'rs	___ 40. Name/ Covers	66545
	___ 41. Recyclables	66800

Comments:

waste oil is contained in a 500 gallon above ground storage tank

empty filters are drained and then stored for pick up by the oil recycler. Currently no records are available for oil filter pick up.
Hazardous materials stored onsite include (greater than 50gal): 15W-40, oxygen, acetylene, toluene, kerosene drum oil, LP commisters

Fifteen 55 gallon waste drums are being stored in the back of the yard on pallets. The 90 day accumulation date has been exceeded. Some of the drums are improperly labelled or not labelled. You are required to provide a copy of the waste receipt for pick up/manifest to this office. You are required to get this material manifested offsite ASAP.
wash rack area appears to have an oil grease separator. you are requested to determine whether the drain connects to storm drain or sewer line. Please advise.

I

Rev 6/88

Contact: Jack Giolitti

Title: Area Superintendent

Signature: Jack Giolitti

Inspector: Paul Smith

Signature: Paul M. Smith

P3

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

80 Swan Way, #200
Oakland, CA 94621
(415) 271-4320

Hazardous Materials Inspection Form

II,III

Site ID # ____ Site Name CAltrans Today's Date ___/___/___

Site Address 1112 29th Avenue

City Oakland Zip 94601 Phone 536-9601

____ MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

Inspection Categories:
____ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
____ II. Business Plans, Acute Hazardous Materials
____ III. Underground Tanks

* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

II.A BUSINESS PLANS (Title 19)

___ 1. Immediate Reporting	2703
___ 2. Bus. Plan Stds.	25503(b)
___ 3. RR Cars > 30 days	25503.7
___ 4. Inventory Information	25504(a)
___ 5. Inventory Complete	2730
___ 6. Emergency Response	25504(b)
___ 7. Training	25504(c)
___ 8. Deficiency	25505(a)
___ 9. Modification	25505(b)

II.B ACUTELY HAZ. MAT'LS

___ 10. Registration Form Filed	25533(a)
___ 11. Form Complete	25533(b)
___ 12. RMPP Contents	25534(c)
___ 13. Implement Sch. Req'd? (Y/N)	____
___ 14. OffSite Conseq. Assess.	25524(c)
___ 15. Probable Risk Assessment	25534(d)
___ 16. Persons Responsible	25534(g)
___ 17. Certification	25534(l)
___ 18. Exemption Request? (Y/N)	25536(b)
___ 19. Trade Secret Requested?	25538

III. UNDERGROUND TANKS (Title 23)

General

___ 1. Permit Application	25284 (H&S)
___ 2. Pipeline Leak Detection	25292 (H&S)
___ 3. Records Maintenance	2712
___ 4. Release Report	2651
___ 5. Closure Plans	2670

Monitoring for Existing Tanks

___ 6. Method
1) Monthly Test
2) Daily Vadose
Semi-annual gndwater
One time soils
3) Daily Vadose
One time soils
Annual tank test
4) Monthly Gndwater
One time soils
5) Daily Inventory
Annual tank testing
Cont pipe leak det
Vadose/gndwater mon.
6) Daily Inventory
Annual tank testing
Cont pipe leak det
7) Weekly Tank Gauge
Annual tank tsting
8) Annual Tank Testing
Daily Inventory
9) Other _____

___ 7. Precis Tank Test Date: _____	2643
___ 8. Inventory Rec.	2644
___ 9. Soil Testing .	2646
___ 10. Ground Water.	2647

New Tanks

___ 11. Monitor Plan	2632
___ 12. Access. Secure	2634
___ 13. Plans Submit Date: _____	2711
___ 14. As Built Date: _____	2635

Rev 6/88

Comments:

Compliance review for Business Plan
Some amendments to the April 1, 1992 business plan were noted. Otherwise plan appears accurate.

last waste oil pickup by Telic Engineering corp 60 gal Aug 20, 1991

II, III

Contact: Jack Giolitti
Title: Area Superintendent
Signature: Jack Giolitti

Inspector: Paul M. Smith
Signature: _____

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

80 Swan Way, #200
Oakland, CA 94621
(415) 271-4320

Hazardous Materials Division Inspection Form

Site ID# 2933 Site Name Cal Trans So Oak Stn Today's Date 1/24/90

Site Address 1112 - 29th Ave EPA ID# 9820 29324

City _____ Zip 94601 Phone 536-9601

MAX Amt. Stored > 500lbs/55g/200cf? (Y) N
Hazardous Waste generated per month? _____

Inspection Categories:
- ✓ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
- ✓ II. Business Plans, Acute Hazardous Materials
- ✓ III. Underground Tanks

The marked items represent violations of the Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

I.A GENERATOR (Title 22)

	___ 1. Waste ID	* 66471
	___ 2. EPA ID	66472
	___ 3. > 90 days	66508
	___ 4. Label dates	66508
	___ 5. Biennial	66493
Manifest	___ 6. Records	66492
	___ 7. Correct	66484
	___ 8. Copy sent	66492
	___ 9. Exception	66484
	___ 10. Copies Rec'd	66492
Misc.	___ 11. Treatment	66371
	___ 12. On-site Disp. (H.S.&C.)	26189.5
	___ 13. Ex Haz. Waste	66570
Prevention	___ 14. Communications	67121
	___ 15. Aisle Space	67124
	___ 16. Local Authority	67126
	___ 17. Maintenance	67120
	___ 18. Training	67105
Contin. gency	___ 19. Prepared	67140
	___ 20. Name List	67141
	___ 21. Copies	67141
	___ 22. Emg. Coord. Trng.	67144
Containers, Tanks	___ 23. Condition	67241
	___ 24. Compatibility	67242
	___ 25. Maintenance	67243
	___ 26. Inspection	67244
	___ 27. Buffer Zone	67246
	___ 28. Tank Inspection	67259
	___ 29. Containment	67245
	___ 30. Safe Storage	67261
	___ 31. Freeboard	67257

I.B TRANSPORTER (Title 22)

	___ 32. Applic./Insurance	66428
	___ 33. Comp. Cert./CHP Insp.	66448
	___ 34. Containers	66465
Manifest	___ 35. Vehicles	66465
	___ 36. EPA ID #s	66531
	___ 37. Correct	66541
	___ 38. HW Delivery	66543
	___ 39. Records	66544
Cont'rs	___ 40. Name/ Covers	66545
	___ 41. Recyclables	66800

Comments:

Through Oil Changes up to 3 drums of waste oil is present @ 1 time. Oil must be disposed within 90 days by EPA licensed recycler.

Please send copies of last year receipt.

Must keep records for the past 3 years.

345 gallon totes of striping paint & 55 gallon drums of stripping paint are ~ 50% alcohol & are consumed in usage. Spent drums are air dried.

Rev 6/88

Contact: Jack Giolitti
Title: AREA SUPT II
Signature: Jack Giolitti

Inspector: Barney Chan
Signature: Barney Chan

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

80 Swan Way, #200
Oakland, CA 94621
(415) 271-4320

Hazardous Materials Inspection Form

II,III

Site ID # ____ Site Name Cal Trans So Oak Stn Today's Date 1/24/90

Site Address 1112 - 29th Ave

City Oakland Zip 94601 Phone ____

____ MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

Inspection Categories:
____ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
____ II. Business Plans, Acute Hazardous Materials
____ III. Underground Tanks

* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

II.A BUSINESS PLANS (Title 19)

__	1. Immediate Reporting	2703
__	2. Bus. Plan Stds.	25503(b)
__	3. RR Cars > 30 days	25503.7
__	4. Inventory Information	25504(a)
__	5. Inventory Complete	2730
__	6. Emergency Response	25504(b)
__	7. Training	25504(c)
__	8. Deficiency	25505(a)
__	9. Modification	25505(b)

II.B ACUTELY HAZ. MAT'LS

__	10. Registration Form Filed	25533(a)
__	11. Form Complete	25533(b)
__	12. RMPP Contents	25534(c)
__	13. Implement Sch. Req'd? (Y/N)	___
__	14. OffSite Conseq. Assess.	25524(c)
__	15. Probable Risk Assessment	25534(d)
__	16. Persons Responsible	25534(g)
__	17. Certification	25534(f)
__	18. Exemption Request? (Y/N)	25536(b)
__	19. Trade Secret Requested?	25538

III. UNDERGROUND TANKS (Title 23)

General

__	1. Permit Application	25284 (H&S)
__	2. Pipeline Leak Detection	25292 (H&S)
__	3. Records Maintenance	2712
__	4. Release Report	2651
__	5. Closure Plans	2670

Monitoring for Existing Tanks

__ 6. Method
1) Monthly Test
2) Daily Vadose
Semi-annual gndwater
One time soils
3) Daily Vadose
One time soils
Annual tank test
4) Monthly Gndwater
One time soils
5) Daily Inventory
Annual tank testing
Cont pipe leak det
Vadose/gndwater mon.
6) Daily Inventory
Annual tank testing
Cont pipe leak det
7) Weekly Tank Gauge
Annual tank tsting
8) Annual Tank Testing
Daily Inventory
9) Other _____

__	7. Precis Tank Test Date: _____	2643
__	8. Inventory Rec.	2644
__	9. Soil Testing.	2646
__	10. Ground Water.	2647

New Tanks

__	11. Monitor Plan	2632
__	12. Access. Secure	2634
__	13. Plans Submit Date: _____	2711
__	14. As Built Date: _____	2635

Rev 6/88

Comments: Jim Newman 933-5950 933-5776 or Larry Mc Peak - Sup 2

1-4000 gal diesel single-walled - Suction pump
1-2000 gal gasoline " " - " "
1-500 gal paint thinner - empty at this time
will send closure forms for Solvent tank
Tanks are stick 2x/week.

Can use Alternative #7 to test the fuel tanks.
Spoke to Mr Larry Mc Peak.
March 89 - Pressure results tested tight -
Send copies to Env Health.
Verify Sticks can measure ± 5 gallons
Return requested information w/i 30 days
Please inform us of your EPA ID#
Please submit completed Business Plan
w/i 30 days.

Call + ask for last 3 mos. tank sticking copies

II, III

Contact: Jack Giolitti
Title: AREA SUPT II
Signature: Jack Giolitti

Inspector: Barney Chan
Signature: Barney Chan

Alameda County Health Care Services Agency

Department of Environmental Health

INTERIM **Permit**

This is to certify that CALIF. DEPT. OF TRANSPORTATION,
doing business as SOUTH OAKLAND STATION, is permitted
to operate a THREE UNDERGROUND STORAGE TANKS,
at 1112 - 29TH AVE., OAKLAND, CA 94601.

This permit is not transferable and is good until
6 MONTHS FROM DATE OF ISSUANCE.

Issued this 23rd day of MAY, 19 88.

COUNTY OF ALAMEDA CALIFORNIA

HAZMAT SPECIALIST
Sanitarian

By Authority of
County Health Officer

400-WA-2-3/87

June 29, 1993

Ms. Margaret Gabil
Cal Trans- Department of Transportation
1112- 29th Ave.
Oakland,CA 94601

Re: Recommendation for No Further Work at 1112- 29th Ave., Oakland CA 94601

Dear Ms. Gabil:

Thank you for the submission of the tank closure report for the above site. This letter is to inform you that no further work will be required by our division at the above reference site in regards to the removal of the 1,000 gallon Chevron 51-L tank. Our office has received and reviewed the analytical results of soil samples and manifests for the tank and waste petroleum liquid. The results also indicate that you may use the stockpiled soils as clean backfill.

Please be advised that this letter does not relieve you of any liability under the California Health and Safety Code or Water Code for past, present, or future operations at this site. Nor does it relieve you of the responsibility to clean up existing, additional or previously unidentified conditions at the site, which cause or threaten to cause pollution or nuisance or otherwise pose a threat to water quality or public health.

Please contact me at (510) 271-4320 should you have any questions regarding this letter.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

cc: E. Howell, file
SO-1112-29

FROM

M. P. H., INC.
License No. 276290
P.O. Box 1921
SANTA ROSA, CALIFORNIA 95402

(707) 528-1493

Message Reply

DATE: June 16, 1993

FILE NO. C-246

PRIORITY
- ☐ URGENT!
- ☐ SOON AS POSSIBLE
- ☐ NO REPLY NEEDED

ATTENTION: ATTN: BARNEY CHAN

SUBJECT: Cal Trans - Dept. of Transportation
1112 - 29th Ave.
Oakland

TO
Mr. Barney Chan
Department of Environmental Health - HAZ MAT
80 Swan Way - Room 200
Oakland, Calif. 94621

MESSAGE

Dear Sir:

In regards to the above project, enclosed please find copy of your permit, Hazardous Waste Manifest on liquid and tank, Tank Destruction Certificate, Soils Sampling Results, and BAAQMD Notification. This completes our contract with Cal Trans. Should you have any questions, please contact us. Thank you.

Sincerely,

SIGNED: Shirley

REPLY

DATE OF REPLY:

REPLY TO:

SIGNED:

SENDER: MAIL RECIPIENT WHITE AND PINK SHEETS.

FROM

M. P. M., INC.
License No. 276290
P.O. Box 1921
SANTA ROSA, CALIFORNIA 95402

(707) 528-1493

Message Reply

DATE: Jun 6, 1993

FILE NO. C-246

PRIORITY
- ☐ URGENT!
- ☐ SOON AS POSSIBLE
- ☐ NO REPLY NEEDED

ATTENTION: ATTN: BARNEY CHAN

SUBJECT: Cal Trans - Dept. of Transportation
1112 - 29th Ave.
Oakland

TO

Mr. Barney Chan
Department of Environmental Health - HAZ MAT
80 Swan Way - Room 200
Oakland, Calif. 94621

MESSAGE

Dear Sir:

In regards to the above project, enclosed please find copy of your permit, Hazardous Waste Manifest on liquid and tank, Tank Destruction Certificate, Soils Sampling Results, and BAAQMD Notification. This completes our contract with Cal Trans. Should you have any questions, please contact us. Thank you.

Sincerely,

SIGNED: Dinley

DATE OF REPLY:

REPLY TO:

REPLY

SIGNED:

RECIPIENT: WRITE REPLY. RETURN WHITE TO SENDER. KEEP THIS PINK COPY.

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

Hazardous Materials Inspection Form

1131 Harbor Bay Pkwy
Alameda CA 94502
510/567-6700

II, III

Site ID # _____ Site Name Cal Trans Today's Date 11/21/96

Site Address 111229 th Ave

City Oakland Zip 94601 Phone 261-3146

_____ MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

Inspection Categories:

____ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
____ II. Hazardous Materials Business Plan, Acutely Hazardous Materials
__✓__ III. Underground Storage Tanks

* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

Comments:

Met with Tom Thomas Superintendent of Cal Trans for a follow-up underground storage tank inspection. He stated one tank is 2,000 gallon and the other is 4,000 gallon. One of the two tanks maybe fiberglass construction.

County files indicate a 1,000 gallon solvent tank was removed in May of 1993. A and B permit application forms are missing.

Mr. Thomas concurs the monitoring is via a Veeder Root 350 TLS Liquid level sensor only and yearly precision tests. None of the monitoring data has been submitted.

Be advised you must obtain a monitoring permit to operate. Your single walled steel tanks must be removed or upgraded by 12/22/98. For your permit you must submit the following:

1) A and B application forms.
2) Monitoring and Spill Plan, financial Responsibility certification forms.
3) Monthly tank gauge test results, yearly tank and triennial pipe test results.
4) Certification your Veeder Root is operating properly.

II, III

Contact Guadalupe Thomas
Title AREA Superintendent
Signature [signature]

Inspector Kevin Tinsley
Signature [signature]

UNDERGROUND TANK DATA EDIT FORM

Edit Next Previous Quit

StID:2933 FINANCIAL RESP. EXPIRES:
FACILITY:South Oakland Station FAC.STATUS: C
Address 1112 29th Ave Ste: NUMB TANKS: 2
CityZip Oakland CA 94601 STATE FAC#: 68013
Name of Operator Calif Dept Of Transp DATE-LAST-INSP: 11/21/96
Phone # 510-286-4311

EMERG. CONTACTS NAMES:
D:Larry Burroughs
Day Ph: 510-286-4311
N:
NitePh:

FACILITY PERMIT INFO:
State Appl. Date: 05/15/87
Permit Issued :
Permit Expires :
Prev.Permit Issu:

BILLING INFORMATION
Began Billing: 12/15/87
Bill Acct # : T51042

STATE SURCHARGE DATES
State SurChg Pd: 04/20/93
Next SurChg Due: 05/15/97

Billing Address: 1112 - 29th Ave.
Oakland CA 94601

PERM.HIST.: 3 UST Paid. Removed 1 UST 5/93. Old ipdate 05/23/88. A/B forms submitted 2/22/94
A

STAT: C=Current F=need FORMS B=Bill R=Removed E=Exempt -12/19/96-(Pg 1 of 4)
[ESC] Done [F2] Clear field [Shift-F2] Clear to end [Shift-F10] More
Form: UGTLook Table: UGTlist Field: StID Page: 1

UNDERGROUND TANK DATA EDIT FORM

Edit Next Previous Quit

StID: 2933 South Oakland Station
Status : C
State Fac#: 68013 TOTAL # Tanks:2 STATE APPL.DATE: 05/15/87

Tank Status A TANKS:III-A Type: DW/SW...-
StateTankID- 1 -@ bott B TANK's Matl. -
C InteriorLining-
I-A Owner TnkID TSOA-03 D Corr.Prot-
B Manufacturr E Spill Protect.-
C DtInstalled 01/01/80 OverSpill Prot-
DateRemoved DrTb- StrPl- DispCont-
D Capac (gal) 4000 PIPES:IV-A Type (Suc/Pres)
II- Contents A: B: C: B PIPE Construc.-
D:Diesel C PIPE Material -
V- TankLeakDet 2 D PipeLeak-Detec-
Last Test
TANK TESTING PARAMETERS: ----------
Yr of Pump Interlock TANKS:
Installation: PIPES:

FEE & PERMIT DATES
SSChgPaid- 04/20/93
SSChgDue -
Tank Appl-
PermitIss-
PermExpir-
Insp.Initials:
Freq (#Mos)

-12/19/96-
(Page 3 of 4)
[ESC] Done [F2] Clear field [Shift-F2] Clear to end [Shift-F10] More
Form: UGTLook Table: TInfo Field: PipILock Page: 3

UGT TANK INFORMATION - OPERATING PERMIT FIELDS Pages 1&2-Fac., 3&4-Tanks
<F7>-<F8> for next

StID: 2933 South Oakland Station
State Fac#: 68013 TOTAL # Tanks:2

FOR TANK SYSTEM # TSOA-01 **

1. State UST ID: 01-000-68013 -2
2. Capacity (gallons) **2000
3. Hazardous Substance Stored **RegUnld - put translation here.
4. TANK's Monitoring Method **2 permit=>
5. Tank Monitoring Frequency:
6. Tank Monitoring Alarm?

7. Tank Integrity Tes (freq)
8. PIPING's Monitoring Method ** permit=>
9. Piping Monitoring Frequency
10. Piping Monitoring Alarm
11. Pump Shutdown?
12. Piping Precision Test (freq)
13. Overfill (device)
14. Spill Container/Size (galls)
15. Tank Corrosion Protection **
Cathodic: Impress. or Sacrif. ->ExpDt:

** These values must come from a VALID FORM B. (See previous page)

-12/19/96-
(Page 4 of 4)
[ESC] Done [F2] Clear field [Shift-F2] Clear to end [Shift-F10] More
Form: UGTLook Table: TInfo Field: TLDReqd Page: 4

UGT FACILITY INFORMATION - FORM A - CONTINUED Pages 1&2-Fac., 3&4-Tanks
<F7>-<F8> for next

StID: 2933 South Oakland Station
State Fac#: 68013 TOTAL # Tanks:2

III. TANK OWNER INFORMATION Agreement Date: (If Oper not Own)
Name of Tank Owner:
Mailing Address :
City / State / Zip: Phone #:

IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER : TKHQ44-

VI. LEGAL NOTIFICATION AND BILLING ADDRESS (1,2 or 3):
(If 1 or 3 mail addr filled automatically. If 2, type in mail addr.)

UGT FACILITY INFORMATION - PERMIT SPECIFIC

Last Permit Issued ; Expires ; Prev Permit Iss.

Latest Emerg/Spill Response Plan: -(valid if < 5 yrs) -12/19/96-
Permit Issued to (Curr. Tnk Own): (Page 2 of 4)
[ESC] Done [F2] Clear field [Shift-F2] Clear to end [Shift-F10] More
Form: UGTLook Table: UGTlist Field: OwOpAgrD Page: 2

24, Removed, 3/11/97, BCha

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM A

COMPLETE THIS FORM FOR EACH FACILITY/SITE

MARK ONLY ONE ITEM: [ ] 1 NEW PERMIT [ ] 2 INTERIM PERMIT [ ] 3 RENEWAL PERMIT [ ] 4 AMENDED PERMIT [ ] 5 CHANGE OF INFORMATION [ ] 6 TEMPORARY SITE CLOSURE [ ] 7 PERMANENTLY CLOSED SITE

I. FACILITY/SITE INFORMATION & ADDRESS - (MUST BE COMPLETED)

DBA OR FACILITY NAME: CALTRANS DISTRICT #4		NAME OF OPERATOR: MIKE MILLIARD	
ADDRESS: 1112 29TH AVENUE		NEAREST CROSS STREET: 14TH STREET	PARCEL # (OPTIONAL)
CITY NAME: OAKLAND	STATE: CA	ZIP CODE: 94601	SITE PHONE # WITH AREA CODE: 510-261-3146

✔ BOX TO INDICATE: [ ] CORPORATION [ ] INDIVIDUAL [ ] PARTNERSHIP [ ] LOCAL-AGENCY DISTRICTS [ ] COUNTY-AGENCY* [X] STATE-AGENCY* [ ] FEDERAL-AGENCY*

* If owner of UST is a public agency, complete the following: name of supervisor of division, section or office which operates the UST: MIKE MILLIARD

TYPE OF BUSINESS: [ ] 1 GAS STATION [ ] 2 DISTRIBUTOR [ ] 3 FARM [ ] 4 PROCESSOR [X] 5 OTHER	[ ] ✔ IF INDIAN RESERVATION OR TRUST LANDS	# OF TANKS AT SITE: TWO	E. P. A. I. D. # (optional): CAD 982-029-324

EMERGENCY CONTACT PERSON (PRIMARY)		EMERGENCY CONTACT PERSON (SECONDARY) - optional	
DAYS: NAME (LAST, FIRST): MILLIARD, MIKE	PHONE # WITH AREA CODE: 510-261-3146	DAYS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE
NIGHTS: NAME (LAST, FIRST): THOMAS, TOM	PHONE # WITH AREA CODE: 510-261-3146	NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE

II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)

NAME: CALTRANS DISTRICT #4		CARE OF ADDRESS INFORMATION: MIKE MILLIARD	
MAILING OR STREET ADDRESS: 111 GRAND AVE		✔ box to indicate: [ ] INDIVIDUAL [ ] LOCAL-AGENCY [X] STATE-AGENCY [ ] CORPORATION [ ] PARTNERSHIP [ ] COUNTY-AGENCY [ ] FEDERAL-AGENCY	
CITY NAME: OAKLAND	STATE: CA	ZIP CODE: 94623	PHONE # WITH AREA CODE: 510-286-4495

III. TANK OWNER INFORMATION - (MUST BE COMPLETED)

NAME OF OWNER: CALTRANS DISTRICT #4		CARE OF ADDRESS INFORMATION	
MAILING OR STREET ADDRESS: 111 GRAND AVE		✔ box to indicate: [ ] INDIVIDUAL [ ] LOCAL-AGENCY [X] STATE-AGENCY [ ] CORPORATION [ ] PARTNERSHIP [ ] COUNTY-AGENCY [ ] FEDERAL-AGENCY	
CITY NAME: OAKLAND	STATE: CA	ZIP CODE: 94623	PHONE # WITH AREA CODE: 510-286-4495

IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER - Call (916) 322-9669 if questions arise.

TY (TK) HQ 44- [ ] HA HQ 3001763 0

V. PETROLEUM UST FINANCIAL RESPONSIBILITY - (MUST BE COMPLETED) – IDENTIFY THE METHOD(S) USED

✔ box to indicate: [X] 1 SELF-INSURED [ ] 2 GUARANTEE [ ] 3 INSURANCE [ ] 4 SURETY BOND [ ] 5 LETTER OF CREDIT [ ] 6 EXEMPTION [ ] 7 STATE FUND [ ] 8 STATE FUND & CHIEF FINANCIAL OFFICER LETTER [ ] 9 STATE FUND & CERTIFICATE OF DEPOSIT [ ] 10 LOCAL GOV'T. MECHANISM [ ] 99 OTHER ____

VI. LEGAL NOTIFICATION AND BILLING ADDRESS

Legal notification and billing will be sent to the tank owner unless box I or II is checked.

CHECK ONE BOX INDICATING WHICH ABOVE ADDRESS SHOULD BE USED FOR LEGAL NOTIFICATIONS AND BILLING: I. [ ] II. [X] III. [ ]

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

TANK OWNER'S NAME (PRINTED & SIGNATURE): Chris Thixton	TANK OWNER'S TITLE: Hwy 4/Owner Project Manager	DATE MONTH/DAY/YEAR: 02-12-97

LOCAL AGENCY USE ONLY

COUNTY #	JURISDICTION #	FACILITY #
01	000	068013

LOCATION CODE - *OPTIONAL*	CENSUS TRACT # - *OPTIONAL*	SUPVISOR - DISTRICT CODE - *OPTIONAL*
		3/12/97

THIS FORM MUST BE ACCOMPANIED BY AT LEAST (1) OR MORE PERMIT APPLICATION - FORM B, UNLESS THIS IS A CHANGE OF SITE INFORMATION ONLY.

OWNER MUST FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

FORM A (6-95)

2 UST's removed 3/11/97 B Chan

STATE OF CALIFORNIA

STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B

#2933

COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM				
	[ ] 1 NEW PERMIT	[ ] 3 RENEWAL PERMIT	[ ] 5 CHANGE OF INFORMATION	[ ] 7 PERMANENTLY CLOSED ON SITE
	[ ] 2 INTERIM PERMIT	[ ] 4 AMENDED PERMIT	[ ] 6 TEMPORARY TANK CLOSURE	[X] 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: CALTRANS DISTRICT #4, 1112 29th AVE, OAKLAND

I. TANK DESCRIPTION

COMPLETE ALL ITEMS – SPECIFY IF UNKNOWN

A. OWNER'S TANK I. D. # #1	B. MANUFACTURED BY: unknown
C. DATE INSTALLED (MO/DAY/YEAR) 1980	D. TANK CAPACITY IN GALLONS: 4,000 Gallon

II. TANK CONTENTS

IF A-1 IS MARKED, COMPLETE ITEM C.

A.	B.	C.
[X] 1 MOTOR VEHICLE FUEL	[X] 1 PRODUCT	[X] 1a REGULAR UNLEADED
[ ] 2 PETROLEUM	[ ] 2 WASTE	[ ] 1b PREMIUM UNLEADED
[ ] 3 CHEMICAL PRODUCT		[ ] 1c MIDGRADE UNLEADED
[ ] 4 OIL		[ ] 2 LEADED
[ ] 80 EMPTY		[X] 3 DIESEL
[ ] 95 UNKNOWN		[ ] 4 GASAHOL
		[ ] 5 JET FUEL
		[ ] 6 AVIATION GAS
		[ ] 7 METHANOL
		[ ] 8 M85
		[ ] 99 OTHER (DESCRIBE IN ITEM D. BELOW)

D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED C. A. S. # :

III. TANK CONSTRUCTION

MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM	[ ] 1 DOUBLE WALL	[ ] 3 SINGLE WALL WITH EXTERIOR LINER	[ ] 5 INTERNAL BLADDER SYSTEM	[ ] 95 UNKNOWN
	[X] 2 SINGLE WALL	[ ] 4 SINGLE WALL IN A VAULT	[ ] 99 OTHER	
B. TANK MATERIAL (Primary Tank)	[ ] 1 BARE STEEL	[ ] 2 STAINLESS STEEL	[X] 3 FIBERGLASS	[ ] 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC
	[ ] 5 CONCRETE	[ ] 6 POLYVINYL CHLORIDE	[ ] 7 ALUMINUM	[ ] 8 100% METHANOL COMPATIBLE W/FRP
	[ ] 9 BRONZE	[ ] 10 GALVANIZED STEEL	[ ] 95 UNKNOWN	[ ] 99 OTHER
C. INTERIOR LINING OR COATING	[ ] 1 RUBBER LINED	[ ] 2 ALKYD LINING	[ ] 3 EPOXY LINING	[ ] 4 PHENOLIC LINING
	[ ] 5 GLASS LINING	[ ] 6 UNLINED	[X] 95 UNKNOWN	[ ] 99 OTHER
	IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL ?		YES ___ NO ___	
D. EXTERIOR CORROSION PROTECTION	[ ] 1 POLYETHYLENE WRAP	[ ] 2 COATING	[ ] 3 VINYL WRAP	[ ] 4 FIBERGLASS REINFORCED PLASTIC
	[ ] 5 CATHODIC PROTECTION	[ ] 91 NONE	[X] 95 UNKNOWN	[ ] 99 OTHER
E. SPILL AND OVERFILL, etc.	SPILL CONTAINMENT INSTALLED (YEAR) unknown		OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) unknown	
	DROP TUBE YES X NO ___		STRIKER PLATE YES X NO ___	DISPENSER CONTAINMENT YES X NO ___

IV. PIPING INFORMATION

CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	A (U) 1 SUCTION	A U 2 PRESSURE	A U 3 GRAVITY	A U 4 FLEXIBLE PIPING	A U 99 OTHER
B. CONSTRUCTION	A (U) 1 SINGLE WALL	A U 2 DOUBLE WALL	A U 3 LINED TRENCH	A U 95 UNKNOWN	A U 99 OTHER
C. MATERIAL AND CORROSION PROTECTION	A U 1 BARE STEEL	A U 2 STAINLESS STEEL	A U 3 POLYVINYL CHLORIDE (PVC)	A (U) 4 FIBERGLASS PIPE	
	A U 5 ALUMINUM	A U 6 CONCRETE	A U 7 STEEL W/ COATING	A U 8 100% METHANOL COMPATIBLE W/FRP	
	A U 9 GALVANIZED STEEL	A U 10 CATHODIC PROTECTION	A U 95 UNKNOWN	A U 99 OTHER	
D. LEAK DETECTION	[ ] 1 MECHANICAL LINE LEAK DETECTOR	[ ] 2 LINE TIGHTNESS TESTING	[ ] 3 CONTINUOUS INTERSTITIAL MONITORING	[X] 4 ELECTRONIC LINE LEAK DETECTOR	[ ] 5 AUTOMATIC PUMP SHUTDOWN [ ] 99 OTHER

V. TANK LEAK DETECTION

[ ] 1 VISUAL CHECK	[X] 2 MANUAL INVENTORY RECONCILIATION	[ ] 3 VADOZE MONITORING	[ ] 4 AUTOMATIC TANK GAUGING	[ ] 5 GROUND WATER MONITORING	[ ] 6 ANNUAL TANK TESTING
[ ] 7 CONTINUOUS INTERSTITIAL MONITORING	[ ] 8 SIR	[ ] 9 WEEKLY MANUAL TANK GAUGING	[ ] 10 MONTHLY TANK TESTING	[ ] 95 UNKNOWN	[ ] 99 OTHER

VI. TANK CLOSURE INFORMATION (PERMANENT CLOSURE IN-PLACE)

1. ESTIMATED DATE LAST USED (MO/DAY/YR) IN USE	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING 1000 GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL ? YES [ ] NO [X]

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

TANK OWNER'S NAME (PRINTED & SIGNATURE) Dep Owner Chris Thixton	DATE 02-12-97

LOCAL AGENCY USE ONLY

THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.#	COUNTY #	JURISDICTION #	FACILITY #	TANK #
	01	000	068013	000001

PERMIT NUMBER	PERMIT APPROVED BY/DATE	PERMIT EXPIRATION DATE
		3/12/97

THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED. FORM C MUST BE COMPLETED FOR INSTALLATIONS. THIS FORM SHOULD BE ACCOMPANIED BY A PLOT PLAN. FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

2 ust's removed
3/11/97 B Chan

STATE OF CALIFORNIA

STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B

COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM
- [ ] 1 NEW PERMIT
- [ ] 2 INTERIM PERMIT
- [ ] 3 RENEWAL PERMIT
- [ ] 4 AMENDED PERMIT
- [ ] 5 CHANGE OF INFORMATION
- [ ] 6 TEMPORARY TANK CLOSURE
- [ ] 7 PERMANENTLY CLOSED ON SITE
- [x] 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: Caltrans District #4, 1112 29th Ave, Oakland

I. TANK DESCRIPTION

COMPLETE ALL ITEMS – SPECIFY IF UNKNOWN

A. OWNER'S TANK I. D. # #2	B. MANUFACTURED BY: Unknown
C. DATE INSTALLED (MO/DAY/YEAR) 1970	D. TANK CAPACITY IN GALLONS: 2,000 Gallon

II. TANK CONTENTS

IF A-1 IS MARKED, COMPLETE ITEM C.

A.
- [x] 1 MOTOR VEHICLE FUEL
- [ ] 2 PETROLEUM
- [ ] 3 CHEMICAL PRODUCT
- [ ] 4 OIL
- [ ] 80 EMPTY
- [ ] 95 UNKNOWN

B.
- [x] 1 PRODUCT
- [ ] 2 WASTE

C.
- [x] 1a REGULAR UNLEADED
- [ ] 1b PREMIUM UNLEADED
- [ ] 1c MIDGRADE UNLEADED
- [x] 2 LEADED
- [x] 3 DIESEL
- [ ] 4 GASAHOL
- [ ] 5 JET FUEL
- [ ] 6 AVIATION GAS
- [ ] 7 METHANOL
- [ ] 8 M85
- [ ] 99 OTHER (DESCRIBE IN ITEM D. BELOW)

D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED

C. A. S. # :

III. TANK CONSTRUCTION

MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM
- [ ] 1 DOUBLE WALL
- [x] 2 SINGLE WALL
- [ ] 3 SINGLE WALL WITH EXTERIOR LINER
- [ ] 4 SINGLE WALL IN A VAULT
- [ ] 5 INTERNAL BLADDER SYSTEM
- [ ] 95 UNKNOWN
- [ ] 99 OTHER

B. TANK MATERIAL (Primary Tank)
- [x] 1 BARE STEEL
- [ ] 5 CONCRETE
- [ ] 9 BRONZE
- [ ] 2 STAINLESS STEEL
- [ ] 6 POLYVINYL CHLORIDE
- [ ] 10 GALVANIZED STEEL
- [ ] 3 FIBERGLASS
- [ ] 7 ALUMINUM
- [ ] 95 UNKNOWN
- [ ] 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC
- [ ] 8 100% METHANOL COMPATIBLE W/FRP
- [ ] 99 OTHER

C. INTERIOR LINING OR COATING
- [ ] 1 RUBBER LINED
- [ ] 5 GLASS LINING
- [ ] 2 ALKYD LINING
- [ ] 6 UNLINED
- [x] 95 UNKNOWN
- [ ] 3 EPOXY LINING
- [ ] 99 OTHER
- [ ] 4 PHENOLIC LINING

IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ___ NO ___

D. EXTERIOR CORROSION PROTECTION
- [ ] 1 POLYETHYLENE WRAP
- [ ] 5 CATHODIC PROTECTION
- [ ] 2 COATING
- [ ] 91 NONE
- [x] 95 UNKNOWN
- [ ] 3 VINYL WRAP
- [ ] 99 OTHER
- [ ] 4 FIBERGLASS REINFORCED PLASTIC

E. SPILL AND OVERFILL, etc. SPILL CONTAINMENT INSTALLED (YEAR) Unknown OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) Unknown
DROP TUBE YES ___ NO X STRIKER PLATE YES ___ NO X DISPENSER CONTAINMENT YES ___ NO X

IV. PIPING INFORMATION

CIRCLE **A** IF ABOVE GROUND OR **U** IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	A (U) 1 SUCTION	A U 2 PRESSURE	A U 3 GRAVITY	A U 4 FLEXIBLE PIPING	A U 99 OTHER
B. CONSTRUCTION	A (U) 1 SINGLE WALL	A U 2 DOUBLE WALL	A U 3 LINED TRENCH	A U 95 UNKNOWN	A U 99 OTHER
C. MATERIAL AND CORROSION PROTECTION	A (U) 1 BARE STEEL	A U 2 STAINLESS STEEL	A U 3 POLYVINYL CHLORIDE (PVC)	A U 4 FIBERGLASS PIPE	
	A U 5 ALUMINUM	A U 6 CONCRETE	A U 7 STEEL W/ COATING	A U 8 100% METHANOL COMPATIBLE W/FRP	
	A U 9 GALVANIZED STEEL	A U 10 CATHODIC PROTECTION	A U 95 UNKNOWN	A U 99 OTHER	

D. LEAK DETECTION
- [ ] 1 MECHANICAL LINE LEAK DETECTOR
- [ ] 2 LINE TIGHTNESS TESTING
- [ ] 3 CONTINUOUS INTERSTITIAL MONITORING
- [x] 4 ELECTRONIC LINE LEAK DETECTOR
- [ ] 5 AUTOMATIC PUMP SHUTDOWN
- [ ] 99 OTHER

V. TANK LEAK DETECTION

- [ ] 1 VISUAL CHECK
- [x] 2 MANUAL INVENTORY RECONCILIATION
- [ ] 3 VADOZE MONITORING
- [ ] 4 AUTOMATIC TANK GAUGING
- [ ] 5 GROUND WATER MONITORING
- [ ] 6 ANNUAL TANK TESTING
- [ ] 7 CONTINUOUS INTERSTITIAL MONITORING
- [ ] 8 SIR
- [ ] 9 WEEKLY MANUAL TANK GAUGING
- [ ] 10 MONTHLY TANK TESTING
- [ ] 95 UNKNOWN
- [ ] 99 OTHER

VI. TANK CLOSURE INFORMATION (PERMANENT CLOSURE IN-PLACE)

1. ESTIMATED DATE LAST USED (MO/DAY/YR) IN USE	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING 100 GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL? YES [ ] NO [x]

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

TANK OWNER'S NAME (PRINTED & SIGNATURE) Rep of owner Chris Thixton	DATE 02-12-97

LOCAL AGENCY USE ONLY

THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.#	COUNTY #	JURISDICTION #	FACILITY #	TANK #
	01	000	068013	000002

PERMIT NUMBER	PERMIT APPROVED BY/DATE	PERMIT EXPIRATION DATE
		3/12/97

THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED. FORM C MUST BE COMPLETED FOR INSTALLATIONS. THIS FORM SHOULD BE ACCOMPANIED BY A PLOT PLAN. FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

#2933

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM A

COMPLETE THIS FORM FOR EACH FACILITY/SITE

MARK ONE ITEM: [X] 1 NEW PERMIT [ ] 2 INTERIM PERMIT [ ] 3 RENEWAL PERMIT [ ] 4 AMENDED PERMIT [ ] 5 CHANGE OF INFORMATION [ ] 6 TEMPORARY SITE CLOSURE [ ] 7 PERMANENTLY CLOSED SITE

I. FACILITY/SITE INFORMATION & ADDRESS - (MUST BE COMPLETED)

DBA OR FACILITY NAME: SOUTH OAKLAND MAINTENANCE STATION		NAME OF OPERATOR: CALTRANS	
ADDRESS: 1112 29th Ave		NEAREST CROSS STREET: E. 12th street	PARCEL # (OPTIONAL): 7475
CITY NAME: OAKLAND	STATE: CA	ZIP CODE: 94601	SITE PHONE # WITH AREA CODE: (510) 261-3146

✓ BOX TO INDICATE: [ ] CORPORATION [ ] INDIVIDUAL [ ] PARTNERSHIP [ ] LOCAL-AGENCY DISTRICTS * [ ] COUNTY-AGENCY * [✓] STATE-AGENCY * [ ] FEDERAL-AGENCY *

* If owner of UST is a public agency, complete the following: name of Supervisor of division, section, or office which operates the UST: GUADALUPE THOMAS

TYPE OF BUSINESS: [ ] 1 GAS STATION [ ] 2 DISTRIBUTOR [ ] 3 FARM [ ] 4 PROCESSOR [✓] 5 OTHER	[ ] ✓ IF INDIAN RESERVATION OR TRUST LANDS	# OF TANKS AT SITE: 2	E. P. A. I. D. # (optional): CAD982029324

EMERGENCY CONTACT PERSON (PRIMARY)	EMERGENCY CONTACT PERSON (SECONDARY) - optional
DAYS: NAME (LAST, FIRST): THOMAS, GUADALUPE — PHONE # WITH AREA CODE: (510) 261-3146	DAYS: NAME (LAST, FIRST): COMPANEY, ALAN — PHONE # WITH AREA CODE: (510) 261-3207
NIGHTS: NAME (LAST, FIRST): THOMAS, GUADALUPE — PHONE # WITH AREA CODE: (510) 222-7125	NIGHTS: NAME (LAST, FIRST): COMPANEY, ALAN — PHONE # WITH AREA CODE: (707) 527-0892

II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)

NAME: State of Calif. - D.O.T.		CARE OF ADDRESS INFORMATION: 111 GRAND AVE.	
MAILING OR STREET ADDRESS: P.O. BOX 23660		✓ box to indicate: [ ] INDIVIDUAL [ ] LOCAL-AGENCY [✓] STATE-AGENCY [ ] CORPORATION [ ] PARTNERSHIP [ ] COUNTY-AGENCY [ ] FEDERAL-AGENCY	
CITY NAME: OAKLAND	STATE: CA	ZIP CODE: 94623	PHONE # WITH AREA CODE: (510) 286-4509

III. TANK OWNER INFORMATION - (MUST BE COMPLETED)

NAME OF OWNER: State of Calif. - D.O.T.		CARE OF ADDRESS INFORMATION: 111 GRAND AVE.	
MAILING OR STREET ADDRESS: P.O. BOX 23660		✓ box to indicate: [ ] INDIVIDUAL [ ] LOCAL-AGENCY [✓] STATE-AGENCY [ ] CORPORATION [ ] PARTNERSHIP [ ] COUNTY-AGENCY [ ] FEDERAL-AGENCY	
CITY NAME: OAKLAND	STATE: CA	ZIP CODE: 94623	PHONE # WITH AREA CODE: (510) 286-4509

IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER - Call (916) 322-9669 if questions arise.

TY (TK) HQ: 4 4 - [ ][ ][ ][ ][ ][ ]

V. PETROLEUM UST FINANCIAL RESPONSIBILITY - (MUST BE COMPLETED) – IDENTIFY THE METHOD(S) USED

✓ box to indicate: [✓] 1 SELF-INSURED [ ] 2 GUARANTEE [ ] 3 INSURANCE [ ] 4 SURETY BOND [ ] 5 LETTER OF CREDIT [ ] 6 EXEMPTION [ ] 99 OTHER _____

VI. LEGAL NOTIFICATION AND BILLING ADDRESS

Legal notification and billing will be sent to the tank owner unless box I or II is checked.

CHECK ONE BOX INDICATING WHICH ABOVE ADDRESS SHOULD BE USED FOR LEGAL NOTIFICATIONS AND BILLING: I. [✓] II. [ ] III. [ ]

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

OWNER'S NAME (PRINTED & SIGNED): GUADALUPE THOMAS	OWNER'S TITLE: AREA Superintendent	DATE MONTH/DAY/YEAR: 12-5-96

LOCAL AGENCY USE ONLY

COUNTY #: 01	JURISDICTION #: 000	FACILITY #: 068013	12/20/96
LOCATION CODE - *OPTIONAL*	CENSUS TRACT # - *OPTIONAL*	SUPVISOR - DISTRICT CODE - *OPTIONAL*	

THIS FORM MUST BE ACCOMPANIED BY AT LEAST (1) OR MORE PERMIT APPLICATION - FORM B, UNLESS THIS IS A CHANGE OF SITE INFORMATION ONLY.
OWNER MUST FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B

COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM

- [x] 1 NEW PERMIT
- [ ] 2 INTERIM PERMIT
- [ ] 3 RENEWAL PERMIT
- [ ] 4 AMENDED PERMIT
- [ ] 5 CHANGE OF INFORMATION
- [ ] 6 TEMPORARY TANK CLOSURE
- [ ] 7 PERMANENTLY CLOSED ON SITE
- [ ] 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: CALTRANS SOUTH OAKLAND MAINTENANCE STATION

I. TANK DESCRIPTION

COMPLETE ALL ITEMS – SPECIFY IF UNKNOWN

A. OWNER'S TANK I. D. # T-SOA-03	B. MANUFACTURED BY: UNKNOWN
C. DATE INSTALLED (MO/DAY/YEAR) PRIOR TO 1979	D. TANK CAPACITY IN GALLONS: 4,000

II. TANK CONTENTS

IF A-1 IS MARKED, COMPLETE ITEM C.

A.
- [x] 1 MOTOR VEHICLE FUEL
- [ ] 2 PETROLEUM
- [ ] 3 CHEMICAL PRODUCT
- [ ] 4 OIL
- [ ] 80 EMPTY
- [ ] 95 UNKNOWN

B.
- [ ] 1 PRODUCT
- [ ] 2 WASTE

C.
- [ ] 1a REGULAR UNLEADED
- [ ] 1b PREMIUM UNLEADED
- [ ] 1c MIDGRADE UNLEADED
- [ ] 2 LEADED
- [x] 3 DIESEL
- [ ] 4 GASAHOL
- [ ] 5 JET FUEL
- [ ] 99 OTHER (DESCRIBE IN ITEM D. BELOW)
- [ ] 6 AVIATION GAS
- [ ] 7 METHANOL
- [ ] 8 M85

D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED

C. A. S. # :

III. TANK CONSTRUCTION

MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM
- [ ] 1 DOUBLE WALL
- [x] 2 SINGLE WALL
- [ ] 3 SINGLE WALL WITH EXTERIOR LINER
- [ ] 4 SINGLE WALL IN A VAULT
- [ ] 5 INTERNAL BLADDER SYSTEM
- [ ] 99 OTHER
- [ ] 95 UNKNOWN

B. TANK MATERIAL (Primary Tank)
- [ ] 1 BARE STEEL
- [ ] 5 CONCRETE
- [ ] 9 BRONZE
- [ ] 2 STAINLESS STEEL
- [ ] 6 POLYVINYL CHLORIDE
- [ ] 10 GALVANIZED STEEL
- [x] 3 FIBERGLASS
- [ ] 7 ALUMINUM
- [ ] 95 UNKNOWN
- [ ] 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC
- [ ] 8 100% METHANOL COMPATIBLE W/FRP
- [ ] 99 OTHER

C. INTERIOR LINING OR COATING
- [ ] 1 RUBBER LINED
- [ ] 5 GLASS LINING
- [ ] 2 ALKYD LINING
- [x] 6 UNLINED
- [ ] 3 EPOXY LINING
- [ ] 95 UNKNOWN
- [ ] 4 PHENOLIC LINING
- [ ] 99 OTHER

IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ___ NO ___

D. EXTERIOR CORROSION PROTECTION
- [ ] 1 POLYETHYLENE WRAP
- [ ] 5 CATHODIC PROTECTION
- [ ] 2 COATING
- [ ] 91 NONE
- [ ] 3 VINYL WRAP
- [x] 95 UNKNOWN
- [ ] 4 FIBERGLASS REINFORCED PLASTIC
- [ ] 99 OTHER

E. SPILL AND OVERFILL, etc.
SPILL CONTAINMENT INSTALLED (YEAR) ___ OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) 1990
DROP TUBE YES [x] NO ___ STRIKER PLATE YES ___ NO ___ DISPENSER CONTAINMENT YES ___ NO [x]

IV. PIPING INFORMATION

CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	A (U) 1 SUCTION	A U 2 PRESSURE	A U 3 GRAVITY	A U 4 FLEXIBLE PIPING	A U 99 OTHER
B. CONSTRUCTION	A (U) 1 SINGLE WALL	A U 2 DOUBLE WALL	A U 3 LINED TRENCH	A U 95 UNKNOWN	A U 99 OTHER
C. MATERIAL AND CORROSION PROTECTION	A U 1 BARE STEEL	A U 2 STAINLESS STEEL	A U 3 POLYVINYL CHLORIDE (PVC)	A (U) 4 FIBERGLASS PIPE	
	A U 5 ALUMINUM	A U 6 CONCRETE	A U 7 STEEL W/ COATING	A U 8 100% METHANOL COMPATIBLE W/FRP	
	A U 9 GALVANIZED STEEL	A U 10 CATHODIC PROTECTION	A U 95 UNKNOWN	A U 99 OTHER	

D. LEAK DETECTION
- [ ] 1 MECHANICAL LINE LEAK DETECTOR
- [x] 2 LINE TIGHTNESS TESTING
- [ ] 3 CONTINUOUS INTERSTITIAL MONITORING
- [ ] 4 ELECTRONIC LINE LEAK DETECTOR
- [ ] 5 AUTOMATIC PUMP SHUTDOWN
- [ ] 99 OTHER

V. TANK LEAK DETECTION

- [ ] 1 VISUAL CHECK
- [ ] 7 CONTINUOUS INTERSTITIAL MONITORING
- [ ] 2 MANUAL INVENTORY RECONCILIATION
- [ ] 8 SIR
- [ ] 3 VADOZE MONITORING
- [ ] 9 WEEKLY MANUAL TANK GAUGING
- [x] 4 AUTOMATIC TANK GAUGING
- [ ] 10 MONTHLY TANK TESTING
- [ ] 5 GROUND WATER MONITORING
- [ ] 95 UNKNOWN
- [x] 6 ANNUAL TANK TESTING
- [ ] 99 OTHER

VI. TANK CLOSURE INFORMATION (PERMANENT CLOSURE IN-PLACE)

1. ESTIMATED DATE LAST USED (MO/DAY/YR)	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING ___ GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL? YES [ ] NO [ ]

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

TANK OWNER'S NAME (PRINTED & SIGNATURE) Guadalupe THOMAS [signature]	DATE 12-6-96

LOCAL AGENCY USE ONLY

THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.#	COUNTY #	JURISDICTION #	FACILITY #	TANK #
	01	000	068013	000001

12/20/96

PERMIT NUMBER	PERMIT APPROVED BY/DATE	PERMIT EXPIRATION DATE

THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED. FORM C MUST BE COMPLETED FOR INSTALLATIONS. THIS FORM SHOULD BE ACCOMPANIED BY A PLOT PLAN. FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B

COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM

- [x] 1 NEW PERMIT
- [ ] 2 INTERIM PERMIT
- [ ] 3 RENEWAL PERMIT
- [ ] 4 AMENDED PERMIT
- [ ] 5 CHANGE OF INFORMATION
- [ ] 6 TEMPORARY TANK CLOSURE
- [ ] 7 PERMANENTLY CLOSED ON SITE
- [ ] 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: CALTRANS SOUTH OAKLAND MAINTENANCE STATION

I. TANK DESCRIPTION

COMPLETE ALL ITEMS – SPECIFY IF UNKNOWN

A. OWNER'S TANK I. D. # T-SOA-01	B. MANUFACTURED BY: UNKNOWN
C. DATE INSTALLED (MO/DAY/YEAR) PRIOR TO 1979	D. TANK CAPACITY IN GALLONS: 2,000

II. TANK CONTENTS

IF A-1 IS MARKED, COMPLETE ITEM C.

A.
- [x] 1 MOTOR VEHICLE FUEL
- [ ] 2 PETROLEUM
- [ ] 3 CHEMICAL PRODUCT
- [ ] 4 OIL
- [ ] 80 EMPTY
- [ ] 95 UNKNOWN

B.
- [x] 1 PRODUCT
- [ ] 2 WASTE

C.
- [x] 1a REGULAR UNLEADED
- [ ] 1b PREMIUM UNLEADED
- [ ] 1c MIDGRADE UNLEADED
- [ ] 2 LEADED
- [ ] 3 DIESEL
- [ ] 4 GASAHOL
- [ ] 5 JET FUEL
- [ ] 6 AVIATION GAS
- [ ] 7 METHANOL
- [ ] 8 M85
- [ ] 99 OTHER (DESCRIBE IN ITEM D. BELOW)

D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED C. A. S. # :

III. TANK CONSTRUCTION

MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM
- [ ] 1 DOUBLE WALL
- [x] 2 SINGLE WALL
- [ ] 3 SINGLE WALL WITH EXTERIOR LINER
- [ ] 4 SINGLE WALL IN A VAULT
- [ ] 5 INTERNAL BLADDER SYSTEM
- [ ] 95 UNKNOWN
- [ ] 99 OTHER

B. TANK MATERIAL (Primary Tank)
- [x] 1 BARE STEEL
- [ ] 5 CONCRETE
- [ ] 9 BRONZE
- [ ] 2 STAINLESS STEEL
- [ ] 6 POLYVINYL CHLORIDE
- [ ] 10 GALVANIZED STEEL
- [ ] 3 FIBERGLASS
- [ ] 7 ALUMINUM
- [ ] 95 UNKNOWN
- [ ] 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC
- [ ] 8 100% METHANOL COMPATIBLE W/FRP
- [ ] 99 OTHER

C. INTERIOR LINING OR COATING
- [ ] 1 RUBBER LINED
- [ ] 5 GLASS LINING
- [x] 6 UNLINED
- [ ] 2 ALKYD LINING
- [ ] 95 UNKNOWN
- [ ] 3 EPOXY LINING
- [ ] 99 OTHER
- [ ] 4 PHENOLIC LINING

IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ___ NO ___

D. EXTERIOR CORROSION PROTECTION
- [ ] 1 POLYETHYLENE WRAP
- [ ] 5 CATHODIC PROTECTION
- [ ] 2 COATING
- [ ] 91 NONE
- [ ] 3 VINYL WRAP
- [x] 95 UNKNOWN
- [ ] 99 OTHER
- [ ] 4 FIBERGLASS REINFORCED PLASTIC

E. SPILL AND OVERFILL, etc. SPILL CONTAINMENT INSTALLED (YEAR) ___ OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) 1990
DROP TUBE YES [x] NO ___ STRIKER PLATE YES ___ NO ___ DISPENSER CONTAINMENT YES ___ NO [x]

IV. PIPING INFORMATION

CIRCLE **A** IF ABOVE GROUND OR **U** IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	A (U) 1 SUCTION	A U 2 PRESSURE	A U 3 GRAVITY	A U 4 FLEXIBLE PIPING	A U 99 OTHER
B. CONSTRUCTION	A (U) 1 SINGLE WALL	A U 2 DOUBLE WALL	A U 3 LINED TRENCH	A U 95 UNKNOWN	A U 99 OTHER
C. MATERIAL AND CORROSION PROTECTION	A (U) 1 BARE STEEL	A U 2 STAINLESS STEEL	A U 3 POLYVINYL CHLORIDE (PVC)	A U 4 FIBERGLASS PIPE	
	A U 5 ALUMINUM	A U 6 CONCRETE	A U 7 STEEL W/ COATING	A U 8 100% METHANOL COMPATIBLE W/FRP	
	A U 9 GALVANIZED STEEL	A U 10 CATHODIC PROTECTION	A U 95 UNKNOWN	A U 99 OTHER	
D. LEAK DETECTION	[ ] 1 MECHANICAL LINE LEAK DETECTOR	[x] 2 LINE TIGHTNESS TESTING	[ ] 3 CONTINUOUS INTERSTITIAL MONITORING	[ ] 4 ELECTRONIC LINE LEAK DETECTOR	[ ] 5 AUTOMATIC PUMP SHUTDOWN [ ] 99 OTHER

V. TANK LEAK DETECTION

- [ ] 1 VISUAL CHECK
- [ ] 7 CONTINUOUS INTERSTITIAL MONITORING
- [ ] 2 MANUAL INVENTORY RECONCILIATION
- [ ] 8 SIR
- [ ] 3 VADOZE MONITORING
- [ ] 9 WEEKLY MANUAL TANK GAUGING
- [x] 4 AUTOMATIC TANK GAUGING
- [ ] 10 MONTHLY TANK TESTING
- [ ] 5 GROUND WATER MONITORING
- [ ] 95 UNKNOWN
- [x] 6 ANNUAL TANK TESTING
- [ ] 99 OTHER

VI. TANK CLOSURE INFORMATION (PERMANENT CLOSURE IN-PLACE)

1. ESTIMATED DATE LAST USED (MO/DAY/YR)	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING ___ GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL? YES [ ] NO [ ]

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

TANK OWNER'S NAME (PRINTED & SIGNATURE) GUADALUPE THOMAS [signature]	DATE 12-6-96

LOCAL AGENCY USE ONLY

THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.#	COUNTY #	JURISDICTION #	FACILITY #	TANK #
	01	000	068013	000002

(na) 12/20/96

PERMIT NUMBER	PERMIT APPROVED BY/DATE	PERMIT EXPIRATION DATE

THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED. FORM C MUST BE COMPLETED FOR INSTALLATIONS. THIS FORM SHOULD BE ACCOMPANIED BY A PLOT PLAN. FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
D ARTMENT OF ENVIRONMENTAL F LTH
HAZARDOUS MATERIALS DIVISION
80 SWAN WAY, ROOM 200
OAKLAND, CA 94621
PHONE NO. 510/271-4320

BARNEY OHAN

① Insurance Certificate
② Forms A+B
③ Copy of Hazardous Certificate of Contractor

OK Behar 4/22/93

UNDERGROUND TANK CLOSURE PLAN
*** * * Complete according to attached instructions * * ***

1. **Business Name** Cal Trans - Department of Transportation

   Business Owner State of California

2. **Site Address** 1112 - 29th Avenue

   City Oakland, CA **Zip** 94601 **Phone** 510-286-4311

3. **Mailing Address** 1112 - 29th Avenue

   City Oakland, Ca **Zip** 94601 **Phone** 510-286-4311

4. **Land Owner** Cal Trans - Department of Transportation

   Address 1112 - 29th Ave. **City, State** Oakland, CA **Zip** 94601

5. **Generator name under which tank will be manifested**

   Cal Trans - Department of Transportation

   EPA I.D. No. under which tank will be manifested CAD982029324

rev 3/92

6. Contractor M. P. I INC.

Address P. O. Box 1921

City Santa Rosa, CA 95402 Phone 707-528-1493

License Type* A, HAZ ID# 276290

*Effective January 1, 1992, Business and Professional Code Section 7058.7 requires prime contractors to also hold Hazardous Waste Certification issued by the State Contractors License Board. Indicate that the certificate has been received, in addition, to holding the appropriate contractors license type.

7. Consultant

Address

City Phone

8. Contact Person for Investigation

Name Margaret Gabil Title

Phone (510) 286-4509

9. Number of tanks being closed under this plan one

Length of piping being removed under this plan ~~none~~ < 20'

Total number of tanks at facility 3

10. State Registered Hazardous Waste Transporters/Facilities (see instructions).

** Underground tanks are hazardous waste and must be handled ** as hazardous waste

a) Product/Residual Sludge/Rinsate Transporter

Name Waste Oil Recovery Systems, Inc. EPA I.D. No. CAD000626515

Hauler License No. 0843 License Exp. Date 7-31-93

Address 6401 Leona Street

City Oakland, State CA Zip 94605

b) Product/Residual Sludge/Rinsate Disposal Site

Name Demenno-Kerdoon EPA I.D. No. CAT080013352

Address 2000 M. Alameda

City Compton, State CA Zip 90222

c) Tank and Piping :ansporter

Name Northern Truck & Equipment EPA I.D. No. CAC983587759

Hauler License No. 3113 License Exp. Date 11/93

Address 33704 14th Street

City Union City, State CA Zip 94587

d) Tank and Piping Disposal Site

Name Erickson, Inc EPA I.D. No. CAD009466392

Address 255 Parr Blvd

City Richmond, State CA Zip 94801

11. Experienced Sample Collector

Name Linda Pool

Company M. P. H., INC.

Address P. O. Box 1921

City Santa Rosa, State CA Zip 95402 Phone 707-528-1493

12. Laboratory

Name NET Pacific, Inc. Phone 707 - 526 - 7200

Address 435 Tesconi Circle

City Santa Rosa, State CA Zip 95401

State Certification No. 1386

13. Have tanks or pipes leaked in the past? Yes [ ] No [ ] Unknown

If yes, describe.

5/14/93 Cal Trans 1129 - 29th Ave

1000 gal FG

14. Describe methods t ɔe used for rendering tank ıert

Dry ice 15-30# / 1000 gal

Before tanks are pumped out and inerted, all associated piping must be flushed out into the tanks. All accessible associated piping must then be removed. Inaccessible piping must be plugged.

The Bay Area Air Quality Management District (771-6000), along with local Fire and Building Departments, must also be contacted for tank removal permits. Fire departments typically require the use of explosion proof combustible gas meters to verify tank inertness. **It is the contractor's responsibility to bring a working combustible gas meter on site to verify tank inertness.**

15. Tank History and Sampling Information

Tank		Material to be sampled (tank contents, soil, ground-water, etc.)	Location and Depth of Samples
Capacity	Use History (see instructions)		
1000	Installed 1951(~~steel~~ FG) non-chlorinated solvent	soil	within 2' below tank

One soil sample must be collected for every 20 feet of piping that is removed. A ground water sample must be collected should any ground water be present in the excavation.

Excavated/Stockpiled Soil	
Stockpiled Soil Volume (Estimated)	**Sampling Plan**
10 c.yds.	one discrete sample analyzed for TPH as diesel + btx&E TPH as gas

Stockpiled soil must be placed on bermed plastic and must be completely covered by plastic sheeting.

16. Chemical methods and associated detection limits to be used for analyzing samples

The Tri-Regional Board recommended minimum verification analyses and practical quantitation reporting limits should be followed. See attached Table 2.

Contaminant Sought	EPA, DHS, or Other Sample Preparation Method Number	EPA, DHS, or Other Analysis Method Number	Method Detection Limit
non-chlorinated solvents ↑ diesel fuel?	Brass tubes, ice, chain of custody 3550 diesel 5030 gasoline BTEX	GCFID (3550) & 8020 GCFID (8015) GCFID (8015) 8020	as per Tri-Regional

17. Submit Site Health and Safety Plan (See Instructions)

18. Submit Worker's Co ensation Certificate copy

Name of Insurer State Fund Compensation Insurance

19. Submit Plot Plan (See Instructions)

20. Enclose Deposit (See Instructions)

21. **Report any leaks or contamination to this office within 5 days of discovery.** The report shall be made on an Underground Storage Tank Unauthorized Leak/Contamination Site Report form. (see Instructions)

22. Submit a closure report to this office within 60 days of the tank removal. This report must contain all the information listed in item 22 of the instructions.

I declare that to the best of my knowledge and belief the statements and information provided above are correct and true.

I understand that information in addition to that provided above may be needed in order to obtain an approval from the Department of Environmental Health and that no work is to begin on this project until this plan is approved.

I understand that any changes in design, materials or equipment will void this plan if prior approval is not obtained.

I understand that all work performed during this project will be done in compliance with all applicable OSHA (Occupational Safety and Health Administration) requirements concerning personnel health and safety. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of Alameda.

Once I have received my stamped, accepted closure plan, I will contact the project Hazardous Materials Specialist at least three working days in advance of site work to schedule the required inspections.

Signature of Contractor

Name (please type) Linda Pool

Signature Linda Pool

Date 3-23-93

Signature of Site Owner or Operator

Name (please type) MARGARET Grabil

Signature Margaret C. Grabil

Date 3/30/93

ALAME. COUNTY HAZARDOUS MATERIAL. DIVISION
Declaration of Site Account Refund Recipient
SITE OWNER FILLS OUT PER SITE
-- OPTIONAL --

The property owner will use this form to designate someone other than him or her- self to receive any refund due at the completion of all deposit/refund projects at the site listed below. In the absence of this form, the property owner will receive any refund. Only one person at any one time may be designated to receive any refund.

SITE/NUMBER/ADDRESS:	PROPERTY OWNER
Site Number	
Cal Trans - South Oakland Maintenance St.	Cal Trans - DOT
Company Name	Owner's Name
1112 - 29th Avenue	1112 - 29th Avenue
Street Address	Owner's Address
Oakland, CA 94601	Oakland, CA 94601
City Zip Code	Owner's City State Zip

I designate the following person to receive any refund due at the completion of all deposit/refund projects:

M. P. H., INC
Name

P. O. Box 1921
Street Address

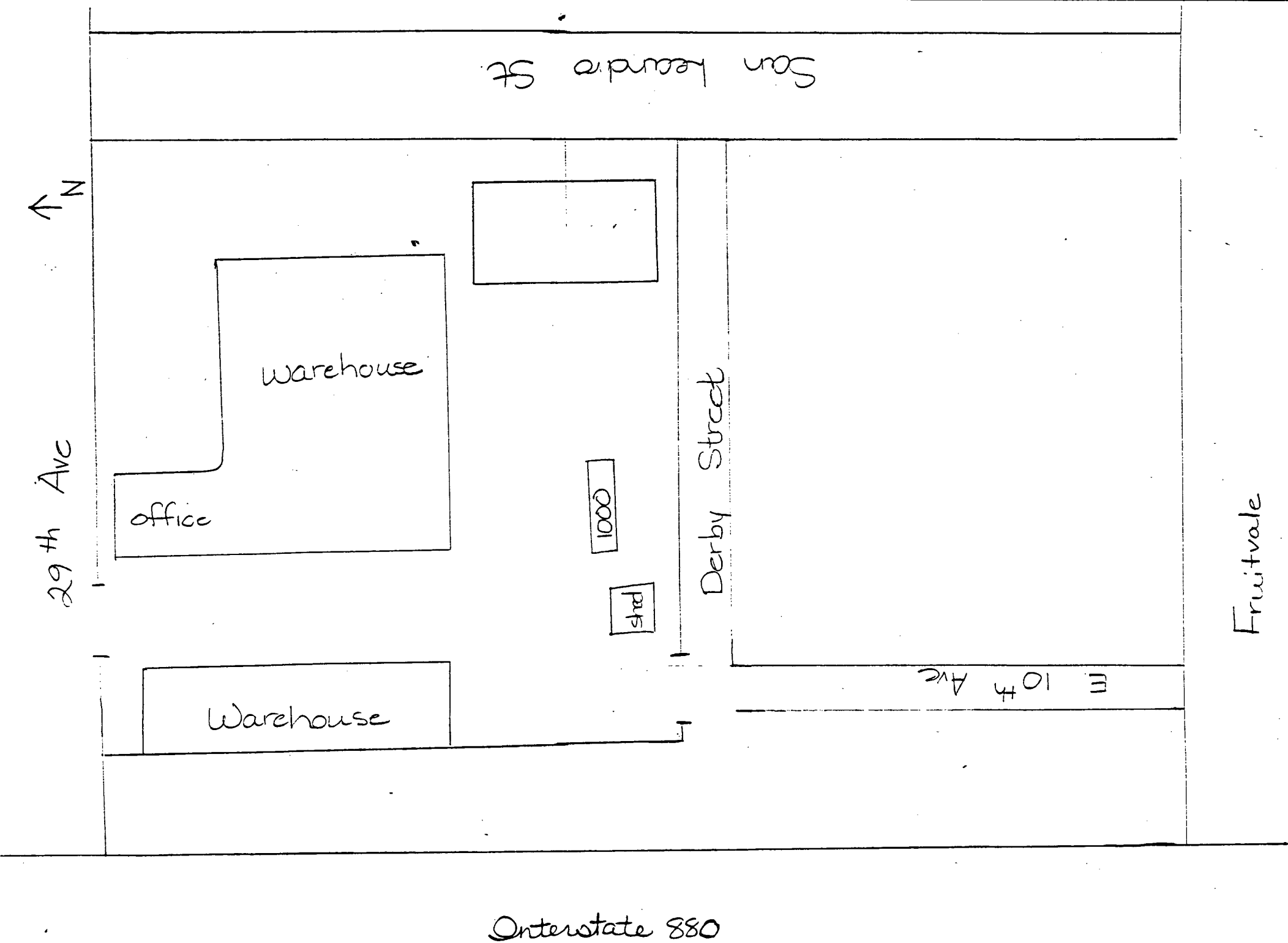
Santa Rosa, CA 95402
City / Zip

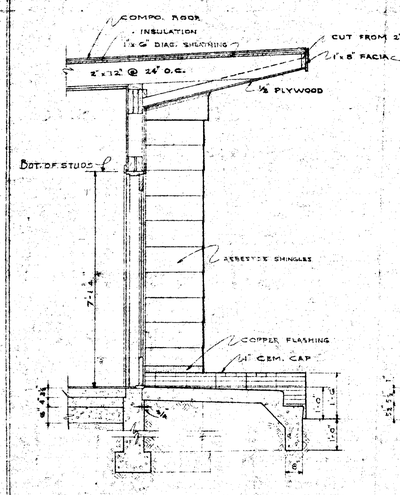
[signature] 3/30/93
Property Owner Signature Date
M. P. Lt 9.6.1

Cal Trans - Department of Transportation
Property Owner Name

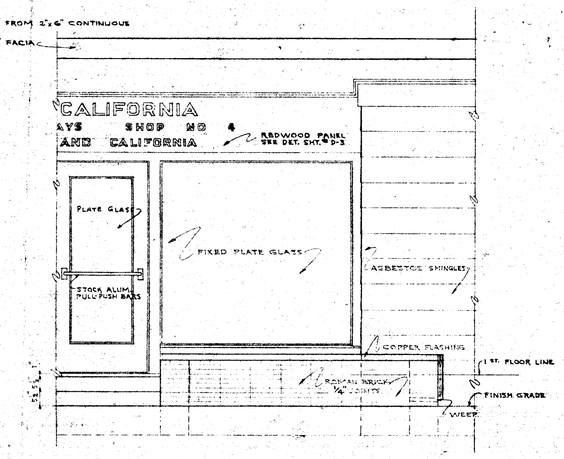
RETURN FORM TO: Alameda County, Hazardous Materials Div.
80 Swan Way, Rm 200
Oakland, CA 94621-1439
Phone: (510) 271-4320

DR-DECL; mfk; 8/14/91

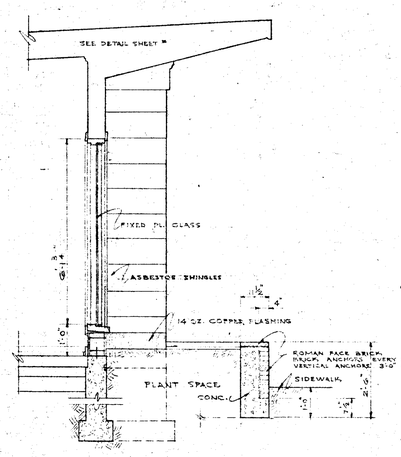

San Leandro St.
N
29th Ave
Warehouse
office
1000
shed
Derby Street
Fruitvale
E 10th Ave
Warehouse
Interstate 880



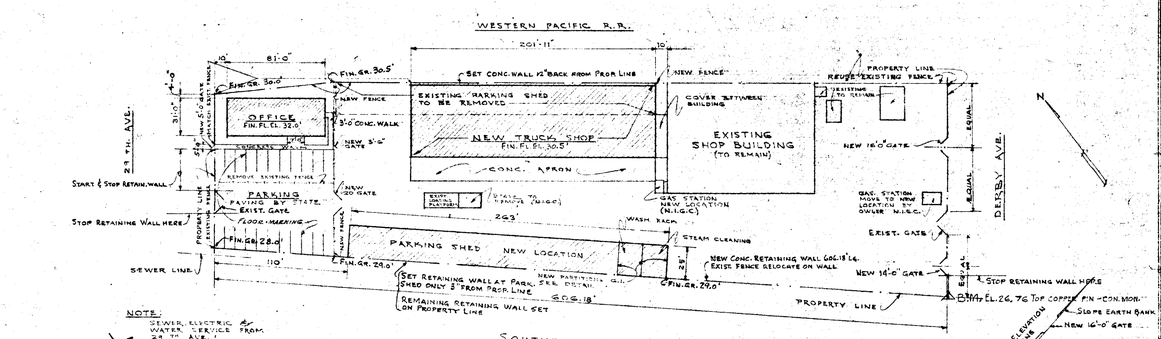
SECTION "A-A"



HALF ELEVATION



SECTION "B-B"

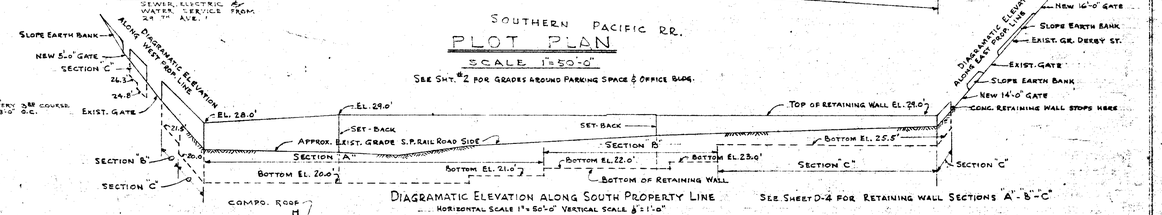


PLOT PLAN

SCALE 1"=50'-0"

SEE SHT. #2 FOR GRADES AROUND PARKING SPACE & OFFICE BLDG.

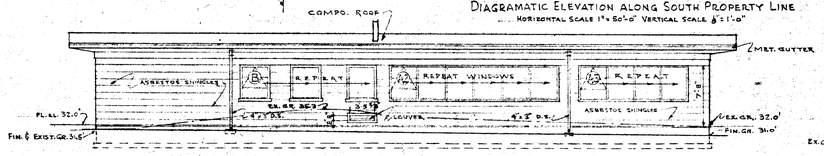
NOTE: SEWER, ELECTRIC, WATER SERVICE FROM 24TH AVE.



DIAGRAMATIC ELEVATION ALONG SOUTH PROPERTY LINE

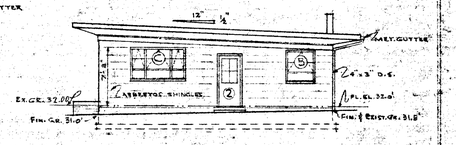
HORIZONTAL SCALE 1"=50'-0" VERTICAL SCALE ⅛"=1'-0"

SEE SHEET D-4 FOR RETAINING WALL SECTIONS "A"-"B"-"C"



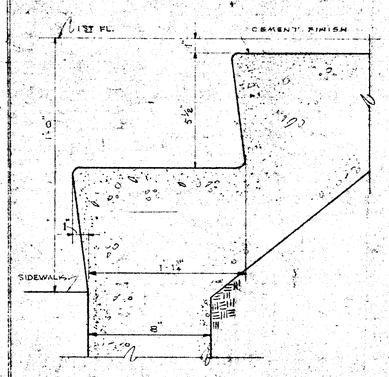
NORTH ELEVATION

SCALE ⅛"=1'-0"



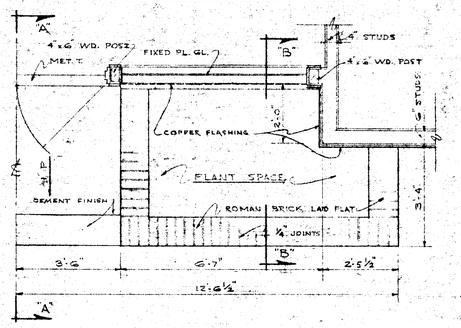
EAST ELEVATION

SCALE ⅛"=1'-0"



SECT. THRU. MAIN ENTRANCE STEPS.

SCALE 3"=1'-0"

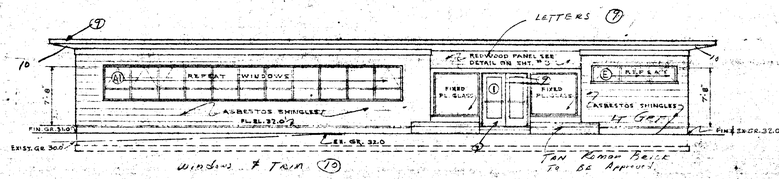


HALF PLAN

MAIN ENTRANCE DETAIL · 1 ·

SCALE ½"=1'-0"

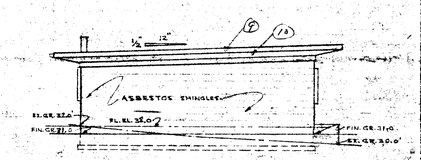
FOR STRUCTURAL DETAILS SEE SHEET #S-1
FOR 3" DETAILS SEE SHEET # D-1



ALL WALLS TO BE SEMI GLOSS WALL COLORS STIPPLED.
ALL TRIM TO BE THE SAME AS WALL COLORS SEMI GLOSS.

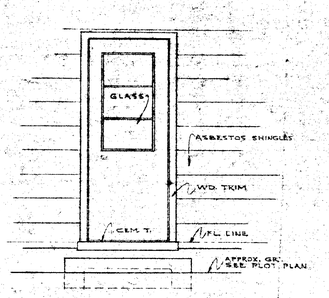
SOUTH ELEVATION

SCALE ⅛"=1'-0"

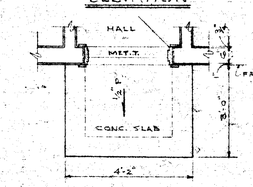


WEST ELEVATION

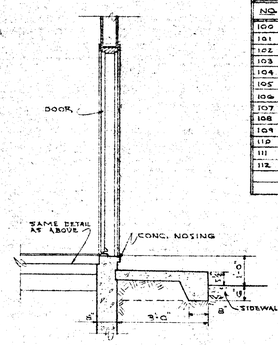
SCALE ⅛"=1'-0"



ELEVATION



PLAN



SECTION

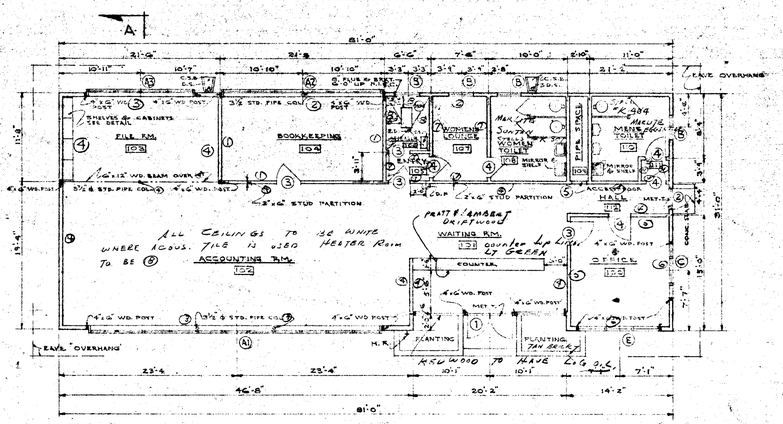
SIDE ENTRANCE

DETAIL · 2 ·

SCALE ½"=1'-0"

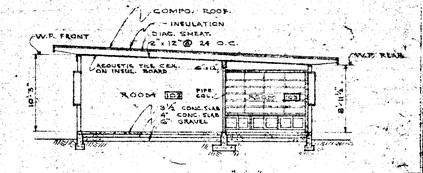
FINISH SCHEDULE							
NO	ROOM	FLOOR	BASE	WAINS.	WALL FINISH	CEILING FINISH	REMARKS
100	OFFICE	ASPH. TILE	WOOD	NONE	PLASTER	ACOUS. TILE	
101	WAITING ROOM	ASPH. TILE	WOOD	NONE	PLASTER	ACOUS. TILE	
102	ACCOUNTING ROOM	ASPH. TILE	WOOD	NONE	PLASTER	ACOUS. TILE	
103	FILE ROOM	ASPH. TILE	WOOD	NONE	PLASTER	ACOUS. TILE	
104	BOOKKEEPING	ASPH. TILE	WOOD	NONE	PLASTER	ACOUS. TILE	
105	ENTRY	ASPH. TILE	WOOD	NONE	PLASTER	ACOUS. TILE	
106	HEATER ROOM	CONCRETE	WOOD	NONE	PLASTER	PLASTER	
107	WOMENS LOUNGE	ASPH. TILE	WOOD	NONE	PLASTER	ACOUS. TILE	
108	WOMENS TOILET	KORDESAL	KORDESAL	7'-0"	PLASTER	ACOUS. TILE	SEE DETAIL FOR WAINSCOT SHT. #2
109	PIPE SPACE	CONCRETE	NONE	NONE	NONE	NONE	
110	MENS TOILET	KORDESAL	KORDESAL	7'-0"	PLASTER	ACOUS. TILE	SEE DETAIL FOR WAINSCOT SHT. #2
111	ENTRY	ASPH. TILE	WOOD	NONE	PLASTER	ACOUS. TILE	
112	HALL	ASPH. TILE	WOOD	NONE	PLASTER	ACOUS. TILE	

ABBREVIATIONS			
F.G.	FINISH GRADE	O.C.	ON CENTERS
E.G.	EXISTING GRADE	CEIL.	CEILING
S.S.	SERVICE SINK	H.W.	HOT WATER
PL. GL.	PLATE GLASS	STD.	STANDARD
P.	PITCH	COL.	COLUMN
CEM. T.	CEMENT THRESHOLD	EXIST.	EXISTING
MET. T.	METAL THRESHOLD	N.I.G.C.	NOT IN GENERAL CONTRACT
F.D.	FLOOR DRAIN	SHT.	SHEET
D.S.	DOWN SPOUT	℄	CENTER LINE
D.F.	DRINKING FOUNTAIN	M.C.B.	METAL CORNER BEAD
C.S.B.	CONCRETE SPLASH BLOCK	MED. CAB.	MEDICINE CABINET
WD.	WOOD	SCR.	SCREEN
H.P.	HOSE FAUCET	W.P.	WORKING POINT
CONC.	CONCRETE		
PLAS.	PLASTER		



PLAN

SCALE ⅛"=1'-0"



SECTION "A-A"

SCALE ⅛"=1'-0"

NOTE:
EXTERIOR DIMENSIONS TAKEN TO OUTSIDE FACE OF ROUGH STUDS.
INTERIOR DIMENSIONS TAKEN TO CENTER LINE OF PARTITIONS.
ALL EXTERIOR WALLS 2"x6" WOOD STUDS.
ALL INTERIOR PARTITIONS 2"x4" WOOD STUDS EXCEPT WHERE SHOWN OTHERWISE ON PLAN.
SCREENS FOR ALL ROOMS EXCEPT ROOM No 106

· OFFICE BUILDING ·

THIS DRAWING IS HEREBY ACKNOWLEDGED TO BE PART OF THE PLANS REFERRED TO IN MY CONTRACT WITH THE STATE DEPARTMENT OF PUBLIC WORKS, DIVISION OF ARCHITECTURE, DATED
DATE [redacted] CONTRACT [redacted]

BUILDING ALTERATION & ADDITIONS YARD SHOP #4
INSTITUTION DIVISION OF HIGHWAYS DIST. IV
LOCATION FRUITVALE, OAKLAND, CALIFORNIA

MARQUIS
DRFT. MENTZNER
TRACED WHITE
CHK. W.D.L.

ARCHITECT'S SEAL
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ARCHITECTURE
ENGINEERING

9-12-50

SHEET 1 OF FOUR

2306 E

26 C 282

OAKLAND FIRE D ARTMENT/OFFICE OF EME GENCY SERVICES
HAZARDOUS MATERIALS UNIT

1605 Martin Luther King Jr. Way, Oakland, CA 94612 • (510) 238-3938

HAZARDOUS MATERIALS INSPECTION REPORT

Site Number	Facility Name	Facility Address	Zip Code
1378	CAL TRANS Oak. South Yard	1112 29th Ave.	01

Inspection Report

☒ PERMISSION TO INSPECT GRANTED CAD 982029324

Haz. Waste storage area - need to use right labeling - @ this time cont. are not labeled properly (6 x 55 m.d.) or stored properly

- Welding Shop -

Gases 251 ft³ O_2

250 ft³ Acety

Auto Repair - Used oil 1 X 250 gal. AST app.

New oil 6 x 55 gal m.d.

1 x 55 gal m.d. w/ used gasoline

1 solvent machine 1 X 30 gal. cont.

Paint - Solid form + liquid Thermoplastic (dry)

Water base (liquid).

1 AST of propane 500 gal.

Cont. (storage) storing flamable mater. - flares -

HMBP 30 days to complete

Facility Contact/Print Name:	Inspected By:		
RANDY MERRITT		☐	
		☐ Insp. Matthews	238-2396
Facility Contact/Signature:	238-3938	☐ Insp. Craford	238-7758
Randy Merritt		☒ Insp. Gomez	238-7253
	Date: 2/23/04		

538-156 (9/01)

OAKLAND FIRE DEPARTMENT/OFFICE OF EMERGENCY SERVICES
HAZARDOUS MATERIALS UNIT

1605 Martin Luther King Jr. Way, Oakland, CA 94612 • (510) 238-3938

HAZARDOUS MATERIALS INSPECTION REPORT

Site Number	Facility Name	Facility Address	Zip Code
1378	CAL TRANS Oak. South Yard	1112 29th Ave.	01

Inspection Report

☒ **PERMISSION TO INSPECT GRANTED** CAD 982029324

Haz. Waste storage area - Need to ~~used~~ right labeling - @ this time cont. are not labeled properly (6 X 55 m.d.) or stored properly

- Welding Shop -

Gases 259 ft³ O_2

250 ft³ Acety

Auto Repair - Used oil 1 X 250 gal. AST app.

New oil 6 X 55 gal m.d.

1 X 55 gal m.d. 25% used gasoline

1 solvent machine 1 X 30 gal. cont.

Paint - Solid form + liquid Thermoplastic (dry)

Water base (liquid).

1 AST of propane 500 gal.

Cont. (storage) storing flamable mater. - flares -

HMBP 30 days to complete

Facility Contact/Print Name:	Inspected By:		
RANDY MERRITT		☐	
		☐ Insp. Matthews	238-2396
Facility Contact/Signature:	238-3938	☐ Insp. Craford	238-7758
Randy Merritt		☒ Insp. Gomez	238-7253
	Date: 2/23/04		

538-156 (9/01)

OAKLAND FIRE SERVICES AGENCY/OFFICE OF EMERGENCY SERVICES

HAZARDOUS MATERIALS UNIT

505 - 14th Street, Oakland, CA 94612 (510) 238-3938

6-27-97 O.K.

HAZARDOUS MATERIALS INSPECTION REPORT

Site Number	Facility Name	Facility Address	Zip Code
40	South Oak. Main Tanance St	~~1129 29th Ave~~ 1112 29th Ave	94601

Inspection Report

Perm. to inspect granted

Fac. is the CAL Trans maintenance station

No viol. obs. at this time

Yellow paint lead chromate has been eliminated

HMBP in good order

Facility Contact/ Print Name:	Inspected By:		
Alan Company	HEG	☐ Insp. Griffin	238-7759
Facility Contact/ Signature:		☐ Insp. Johnson	238-3804
Alan Company		☐ Insp. Craford	238-7758
		☒ Insp. Gomez	238-7253
	Date:	6/24/97	

OAKLAND FIRE SERVICES AGENCY/OFFICE OF EMERGENCY SERVICES
HAZARDOUS MATERIALS UNIT
505 - 14th Street, Oakland, CA 94612 (510) 238-3938
Hazardous Materials Inspection Report

		UNAUTHORIZED OPERATION	V	C	N	OBSERVATIONS
400	**Hazardous Materials Release Response Plans and Inventory (HMRRP/Business Plan)**					
401	25507	Failure to report a release/threatened release.			X	
402	25504	Emergency Response Plan inadequate		X		
403	25509	Emergency contacts not provided/current		X		
404	25504	Personnel training program is inadequate		X		
405	25504	Hazardous Materials Chemical Inventory is not attached, is not accurate, or is incomplete		X		
406	25509	Site map is not attached or is not sufficient		X		
408	255339(a)	Acutely Hazardous Materials Registration not filed			X	
408		Material Safety Data Sheets are not located where the Business Emergency plan (BEP) indicates they should be		X		
409		The BEP indicates the facility maintains hazardous materials response equipment, and the equipment listed is not in place and in operable condition		X		
410		Hazardous materials are not located in the designated areas as indicated on the site map		X		
411		Containers are not clearly labeled with the chemical name and hazard class		X		
412		Containers are in poor condition or are leaking		X		
413		Secondary containment is inadequate		X		
414		Emergency procedures are not adequately posted		X		
415		Monitoring records are not complete or are not current		X		

V=Violation C=Compliance N=Not applicable/addressed/Unknown

STATE OF CALIFORNIA—BUSINESS, TRANSPOR....ION AND HOUSING AGENCY PETE WILSON, Governor

DEPARTMENT OF TRANSPORTATION
SPECIALTY REGION
1112 29th Ave.
Oakland, CA 94601

(510) 261-3146
(510) 261-3454 (FAX)

May 20, 1997

COUNTY OF ALAMEDA
HEALTH CARE SERVICES AGENCY
ENVIRONMENTAL HEALTH BILLING
DON HWANG, HMS
DRAWER N
Alameda, CA 94501

RE: Hazardous Waste Generator Inspection Form Dated May 13, 1997

Dear Mr. Hwang:

This letter responds to subject inspection form. The following is the action taken on the date indicated.

May 16, 1997 - Hazardous waste labels corrected by using entire facility address as is common practice when our waste is transported from the facility. FYI, all waste transported to recycling/disposal facility May 17, 1997.

May 19, 1997 - The aerosol can disposal drum was labeled with paint can contents with an accumulation start date of 5-19-97.

May 20, 1997 - Waste drums for used filters and waste oil from used filters relabeled as instructed.

If you have any questions, please call me @ the above telephone number.

Guadalupe Thomas
Area Superintendent

cc: File

DEPARTMENT OF TRANSPORTA ON
SPECIALTY REGION
1112 29TH AVE.
OAKLAND, CA 94601

OAKLAND
MAY 20 '97
CA

U.S. POSTAGE
00.32
H METER 456202

ENVIRONMENTAL HEALTH
ADMINISTRATION
97 MAY 23 AM 11:00

COUNTY OF ALAMEDA
HEALTH CARE SERVICES AGENCY
ENVIRONMENTAL HEALTH BILLING
DON HWANG, HMS
DRAWER N
Alameda, CA 94501

94501/0108 99

ALAMEDA COUNTY ENVIRONMENTAL HEALTH / HAZARDOUS MATERIALS DIVISION
1131 Harbor Bay Pkwy., Rm. 250, Alameda, CA 94502-6577
(510) 567-6700 Fax (510) 337-9335

p 1 of 3

HAZARDOUS WASTE GENERATOR INSPECTION REPORT

STID #: 2933	FACILITY NAME: CAL TRANS	EPA I.D. #:
ADDRESS, CITY & ZIP CODE: 1112-29 TH AVE, OAKLAND 94601		PHONE:

TIERED PERMITTING STATUS: CE ☐ CA ☐ PBR ☐ N/A ☐

TYPE OF BUSINESS:	CODE SECTION	COMPLIANCE YES	NO	N/A
1. IDENTIFICATION NUMBER				
(a) Obtained EPA I.D. Number	66262.12(a)	✓		
(b) Transporter and TSDF Have EPA I.D. #	66262.12(c)	✓		
2. PRE-TRANSPORT REQUIREMENTS				
(a) HW Containers Labeled	66262.31	✓	✓	
(b) H W Label Properly Filled Out	66262.32(b)		✓	
(c) HW Accumulation Time Not Exceeded	66262.34(c)	✓		
(d) Accumulation Date Indicated	66262.34(f)	✓		
(e) Description of H W Contents	66262.34(f)	✓		
(f) HW Containers in Good Condition	66265.171	✓	✓	
(g) HW Compatible with Containers	66265.172	✓		
(h) HW Containers Closed /Sealed	66265.173	✓		
(i) HW Storage Area Inspected Weekly	66265.174	✓		
(j) Tank & Tank Equip. Inspected Daily	66265.195			✓
(k) Incompatible HW in Separate Containers	66265.199	✓		
(l) Proper Management of Used Oil Filters	66266.130		✓	
3. RECORDKEEPING AND REPORTING				
(a) HW Analysis Kept 5 Yrs./Land Disposal	66262.11			
(b) Biennial Report Submitted to State	66262.41			
4. MANIFEST / RECEIPTS				
(a) HW Shipped with Proper Manifest	66262.20	✓		
(b) Manifests Kept for last 3 Yrs.	66262.40(a)	✓		
(c) HW Analysis Kept 3 Yrs.	66262.40(c)			
(d) Manifests Received from TSDF	66262.42			
5. TRAINING				
(a) Training Program Provided	66265.16	✓		
(b) Personnel Trained & Supervised	66265.16(b)	✓		
(c) HW Personnel Trained within 6 Months	66265.16(b)	✓		
(d) Training Records Kept on Site	66265.16(d)	✓		
(e) Training Records Maintained for 3 Yrs.	66265.16(e)	✓		
(f) Training Records Complete	66265.16(1,2)	✓		

	CODE SECTION	COMPLIANCE YES	NO	N/A
6. CONTINGENCY / ~~BUSINESS PLAN~~				
(a) Contingency Plan Complete	66265.52(a-f)	✓		
(b) Copy of Plan on Site	66265.53	✓		
(c) Contingency ~~/ Business~~ Plan Submitted	66265.53(b)	✓		
(d) Plan Amended as Necessary	66265.54			
(e) ER Co-ordinator Familiar w/ Plan	66265.55			
7. PREPAREDNESS AND PREVENTION				
(a) Internal Commun./Alarm Provided	66265.32(a)	✓		
(b) A Device to Call Outside Provided	66265.32(b)	✓		
(c) Spill Control Systems Available	66265.32(c)	✓		
(d) Maintain ER Equipment	66265.33	✓		
(e) Access to Commun. during HW Handl.	66265.34	✓		
(f) Maintain Adequate Aisle Space	66265.35	✓		
(g) Arrangements w/ Local Agencies	66265.37	✓		
8. EMERGENCY PROCEDURES				
(a) Character/Source/Extent of ER Determ'd	66265.56			
(b) Proper Agencies Notified of Hlth. Hazard	66265.56			
(c) ER Data Submitted to DTSC & LIA	66265.56			
(d) Uncontrol. Release HW Properly Handled	66265.56			
9. WASTE STREAMS				
(a) Waste Oil ABOVEGROUND TANK				
(b) Non-Halogenated Solvents/Parts Cleaner 10 GAL				
(c) Ethylene Glycol/Antifreeze				
(d) Oily Sludges				
(e) Other: PAINT -- 7 DRUMS				
(f) Other: BATTERIES				
(g) Other: THERMOPLASTIC GRINDINGS - 3 DRUMS				
(h) Other: FLUORESCENT BULBS				
(i) Other: AEROSOLS				

All above code sections refer to the California Code of Reg. Title 22

PERMISSION GIVEN TO INSPECT FACILITY: YES ☑ NO ☐	Pollution Prevention	Health & Safety Code		
OTHER COUNTY PROGRAMS: UST ☐ HMBP ☐ UR ☐	Source Reduction Plan Completed	25744.19		

REMARKS: 2B) HAZARDOUS WASTE LABELS INADEQUATELY COMPLETED. ADDRESS IS INDICATED AS "29 TH AVE" - INSTEAD, USE "1112-29TH AVE." - 7 DAYS

PRINT NAME:	TITLE:	
SIGNATURE:	INSPECTED BY:	DATE: 5/13/97

GEN INSP RPT / JNS ECO 7/94 REV.

DISTRIBUTION: WHITE - FILE YELLOW - FACILITY PINK - INSPECTOR

5/15/97 MAILED TO: GUADALUPE THOMAS

ALAMEDA COUNTY ENVIRONMENTAL HEALTH / HAZARDOUS MATERIALS DIVISION
1131 HARBOR BAY PKWY., RM. 250, ALAMEDA, CA 94502-6577 (510)567-6700 FAX (510) 337-9335

HAZARDOUS WASTE GENERATOR INSPECTION REPORT

STID #:	~~FACILITY NAME:~~ 1112-29TH AVE. 94601	PG. 2 OF 3

SUPPLEMENTAL FORM

2B) LABEL FOR DRUM WHICH COLLECTS OIL DRAINED FROM FILTERS INCORRECTLY LABELED "USED OIL AREA FILTERS" — LABEL AS "WASTE OIL".

2B) "AEROSOL CAN CLEANER" ON DRUM FOR CONTENTS OF AEROSOL CANS. IDENTIFY WITH CONTENTS OF AEROSOL CANS IN ADDITION TO THE OTHER HAZARDOUS WASTE INFORMATION.

2B) A DRUM WITH A HAZARDOUS WASTE LABEL IDENTIFYING ITS CONTENTS AS A "HAZARDOUS WASTE SOLID N.O.S." WAS DIFFICULT TO READ. THE FILLED IN INFORMATION LISTED THE CONTENTS AS "___ ___ OIL". RELABEL.

2B) AN ADJACENT DRUM WAS UNLABELED. LABEL. ALSO, DRUM OF YELLOW THERMOPLASTIC GRINDINGS UNLABELED. LABEL.

2L) DRUM CONTAINING USED OIL FILTERS LACKED LABEL. LABEL WITH "DRAINED USED OIL FILTERS" + START ACCUMULATION DATE.

2B) 5 DRUMS WASTE PAINT UNLABELED. LABEL

PRINT NAME:	INSPECTED BY: Don Hwang
SIGNATURE:	DATE: 5/13/97

GEN/SUPP RPT(REV. 7/94) JNS /ECO

5/15/97 MAILED TO:
GUADALUPE THOMAS

ALAMEDA COUNTY ENVIRONMENTAL HEALTH / HAZARDOUS MATERIALS DIVISION
1131 HARBOR BAY PKWY., RM. 250, ALAMEDA, CA 94502-6577 (510)567-6700 FAX (510) 337-9355

HAZARDOUS WASTE GENERATOR INSPECTION REPORT

STID #:	FACILITY NAME: 1112-29TH AVE. 94601	PG. 3 OF 3

SUPPLEMENTAL FORM

2F) 1 GAL COOLANT CONTAINER WITH HAZARDOUS WASTE SEALED WITH A PAPER TOWEL + UNLABELED. LABEL + PLACE INTO A SEALED CONTAINER.

PRINT NAME:	INSPECTED BY: Don Huang
SIGNATURE:	DATE: 5/13/97

GEN/SUPP RPT(REV. 7/94) JNS/ECO

5/15/97 MAILED TO:
GUADALUPE THOMAS

ALAMEDA COUNTY ENVIRONMENTAL HEALTH / HAZARDOUS MATERIALS DIVISION
1131 Harbor Bay Pkwy, Rm. 250, Alameda, CA 94502-6577 (510) 567- 6700 Fax (510) 337-9335

FACILITY SURVEY

GENERAL INFORMATION

STID # 2933
County Use Only

1. Facility Name: CALTRANS
2. Site Address: 1112-29TH AVE
   City: OAKLAND Zip: 94601
3. Billing Address (if different): _____
   City: _____ Zip: _____
4. Contact Person: _____ Phone: _____
5. Business Owner Name: _____ Phone: _____
6. Date you started business: _____
7. Type of Business: _____ 8. SIC #: _____
9. Number of Employees Handling Haz. Waste: 34 9a. Total Number of Employees 34
10. EPA ID # CA _ _ _ _ _ _ _ _ _ _ 5/13/97 inspection
11. Name of Previous Owner: _____

PERMITS

Check (✔) if you have permits from any of the following:

Local Agencies:

12. [ ] Sanitary Sewer District
    Name of District: _____
13. [ ] City or Local Fire Dept. (Underground tanks, Hazardous Materials Business Plan)
    Name of City or Dept.: _____
14. [ ] S.F. Regional Water Quality Control Board (NPDES - General or Individual Permit) : *Circle One*
15. [ ] Bay Area Air Quality Management District

OTHER

Please check (✔) if the following applies at your facility:

16. [ ] Acutely hazardous materials are handled.
17. [ ] 500 Lbs., 55 Gal., 200 Cu. Ft. or more of hazardous materials are handled.
18. [ ] Hazardous Materials or Hazardous Waste are contained in underground tanks.
19. [ ] The following category(s) of hazardous waste are handled at this facility:
    [ ] Toxic [ ] Corrosive [ ] Ignitable [ ] Reactive

CERTIFICATION

I hereby certify, to the best of my knowledge, that the information on this form is true and complete.

Print Name _____ Title _____

Signature _____ Date _____

FAC SURVEY/ REV 7/94 JNS ECO

Don Wong 5/14/97

ALAMEDA COUNTY ENVIRONMENTAL HEALTH / HAZARDOUS MATERIALS DIVISION
1131 Harbor Bay Pkwy, Rm. 250, Alameda, CA 94502-6577 (510) 567-6700 Fax (510) 337-9335

FACILITY SURVEY

GENERAL INFORMATION

STID # 2933
County Use Only

1. Facility Name: CALTRANS
2. Site Address: 1112-29TH AVE.
   City: OAKLAND Zip: 94601
3. Billing Address (if different): _____
   City: _____ Zip: _____
4. Contact Person: _____ Phone: _____
5. Business Owner Name: _____ Phone: _____
6. Date you started business: _____
7. Type of Business: _____ 8. SIC #: _____
9. Number of Employees Handling Haz. Waste: 34 9a. Total Number of Employees 34
10. EPA ID # CA _____ 5/13/97 inspection
11. Name of Previous Owner: _____

PERMITS

Check (✔) if you have permits from any of the following:

Local Agencies:

12. [ ] Sanitary Sewer District
    Name of District: _____
13. [ ] City or Local Fire Dept. (Underground tanks, Hazardous Materials Business Plan)
    Name of City or Dept.: _____
14. [ ] S.F. Regional Water Quality Control Board (NPDES - General or Individual Permit) : *Circle One*
15. [ ] Bay Area Air Quality Management District

OTHER

Please check (✔) if the following applies at your facility:

16. [ ] Acutely hazardous materials are handled.
17. [ ] 500 Lbs., 55 Gal., 200 Cu. Ft. or more of hazardous materials are handled.
18. [✓] Hazardous Materials or Hazardous Waste are contained in underground tanks.
19. [ ] The following category(s) of hazardous waste are handled at this facility:
    [ ] Toxic [ ] Corrosive [ ] Ignitable [ ] Reactive

CERTIFICATION

I hereby certify, to the best of my knowledge, that the information on this form is true and complete.

Print Name _____ Title _____

Signature _____ Date _____

FAC SURVEY / REV 7/94 JNS ECO

Don Wang 5/14/97

DEPARTMENT OF TRANSPORTATION
ELECTRICAL, SPECIAL CREWS, TUNNELS AND TUBES REGION
1112 29th Ave.
Oakland, CA 94601

(510) 261-3146
(510) 261-3454 (FAX)

OAKLAND EMERGENCY SERVICES
MAR 8 1996

March 5, 1996

Leroy Griffin
Hazardous Materials Inspector II
Oakland Fire Department
Office of Emergency Services
Hazardous Materials Management Program
1605 Martin Luther King Jr. Drive
Oakland CA 94612

RE: STID#: 2933 Hazardous Materials Inspection and Standard Storm Water Inspection Report Dated January 24, 1996

Dear Inspector Griffin:

This letter address the implementation of recommendations or the correction of deficiencies noted during the referenced inspections at the Caltrans facility located at 1112 29th ave. Oakland, CA.

Hazardous Materials Inspection Report:

a. Recommendation: *PLACE FUSEES IN FLAMMABLE STORAGE CABINETS.*
1) Flammable cabinet for palletized fusees under construction. Expected delivery date March 30, 1996.

b. Recommendation: *MOVE 55 GALLON DRUMS OF PAINT TO INSIDE STORAGE.*
1) Paint drums moved to inside storage on 1/25/96.

Standard Storm Water Inspection Report:

a. Deficiency: *KEEP GARBAGE DUMPSTER LIDS CLOSED.*
1) Visual inspection completed daily to ensure that garbage dumpster lids are closed after use.

b. Deficiency: *COVER EXPOSED TREATED WOOD PILINGS.*
1) Treated wood exposed to inclement weather was covered (using plastic sheeting) on 1/26/96. Visual inspection completed daily to ensure treated wood remains covered.

If additional information is required, please contact me at the above telephone numbers.

G. Thomas
Area Superintendent

cc: VEB, Files

OAKLAND FIRE DEPARTMENT/OFFICE OF EMERGENCY SERVICES
Hazardous Materials Management Program
505-14th Street, 7th Floor, Oakland, CA 94612, (510) 238-3938

HAZARDOUS MATERIALS INSPECTION REPORT

STID#:	FACILITY NAME:	PG.	OF
2933	CALTRANS MAINTENCE STATION	1	1

ADDRESS: 1112-29th AVE 94601

1.) PERMISSION to INSPECT GRANTED. HMBP has BEEN completed and SUBMITTED.

2.) Hazardous materials plans and MSDS's have been Reviewed. Hazardous Waste manifest were reviewed and current.

3.) Violations: No violations were noted during this inspection; Good housekeeping, ~~and~~ health and safety practices in place. GOOD JOB!

Reccomendations:

1.) Place fuses located in the inside storage area in flammable storage cabinets.
2.) Move 55 gal drums of paint to inside storage area.

FACILITY CONTACTS/ SIGNATURE: Guadalupe Thomas	INSPECTED BY: LEROY GRIFFIN
PRINT NAME: GUADALUPE THOMAS	DATE: 24 JAN 1996

OAKLAND HAZARDOUS MATERIALS INSPECTION REPORT

Facility Name: CALTRANS MAINTENCE STATION
Address: 1112 29th AVE 94601
Phone: 261-3146
Contact: Tom THOMAS
ID No.: 2933 SIC:

Date: 24 JAN 1996
Inspector: LEROY GRIFFIN
Inspection Time:
Administrative Time

Complaint/Investigation Request
Complainant Name: N/A
Location of Complaint:
Complaint:

Phone:
Findings:

Facility Status: Please check (x) the appropriate boxes relating to chemical storage.

STORED (✓)original containers ( )smaller (✓)larger ( )safety cans ( ) existing underground ( )other A.

MATERIALS (✓)flammable/combustible liquid ( )chlorinated solvents ( )water soluble oil (✓)non-soluble oil (✓)waste oil (✓)oxy/nitrous compressed gas ( )flammable compressed gas ( )chlorinated solvents ( )toxic/poison ( )corrosive ( )oxidizer ( )flammable cryogen liquid ( )non-flammable cryogen liquid ( )oxygen-cryogen liquid ( )other

SECONDARY CONTAINMENT (✓)floor/shelf(surface tension) (✓)raised/lipped(berm/tray) (✓)lowered/dike(sump/grate) ( )double walled tank ( )liner underground ( )other SINGLE WALL, MONITORED AST.

MONITORING ( )visual ( )mechanical ( )dip stock (✓)vapor monitor ( )other Liquid monitor

EMERGENCY EQUIPMENT ( )fire extinguisher(s) ( )absorbents ( )collection containers ( )response team ( )gloves ( )disposal suits ( )posted emergency procedures ( )other

DISPOSAL How are the spent materials and/or wastes handled and disposed of? ( )no waste ( )empty containers into trash ( )discharge to ground ( )discharge to sewer ( )discharge to pretreatment-sewer ( )vaporise/vent to air ( )ship to haz-mat facility ( )recycle ( )other

Health & Safety Code Chapter 6.95 Violations: NONE NOTED DURING INSPECTION

Notes	Corrected	Violation	
☐	☐	☐	Needs H.M.S. Permit
☐	☐	☐	Business Plan/HMMP Inadequacies, check inadequate areas ☐ Facility Information ☐ Emergency Response Plan ☐ Record Keeping ☐ Inventory ☐ Employee Training Plan ☐ MSDS ☐ Maps/Diagrams ☐ Emergency Plan ☐ Other
☐	☐	☐	Leaky/damaged containers
☐	☐	☐	Secondary containment needed
☐	☐	☐	Evidence of spillage/release
☐	☐	☐	Incompatible materials need to be separated
☐	☐	☐	Unlabeled containers
☐	☐	☐	Unlabeled storage area
☐	☐	☐	Unsecured area
☐	☐	☐	Container/vessel needs earthquake bracing/securing
☐	☐	☐	Storage too close to property line
☐	☐	☐	Storage too high
☐	☐	☐	Empty containers need to be labeled/segregated
☐	☐	☐	Excessive storage of hazardous materials A special room or enclosure will be required. Contact Fire Prevention at 510 238-3851 for permit requirements.
☐	☐	☐	Inadequate aisle width
☐	☐	☐	Combustible materials stored too close to hazardous materials
☐	☐	☐	Inadequate ventilation
☐	☐	☐	Inadequate/faulty secondary containment
☐	☐	☐	Containers left open - should be closed
☐	☐	☐	Other

FOR ASSISTANCE OR INFORMATION CALL (510) 238-3938

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH

80 Swan Way, #200
Oakland, CA 94621
(415) 271-4320

Hazardous Materials Inspection Form

II,III

Site ID # 2992 Site Name ~~STATE of CALIF~~ CAL TRANS Today's Date 2/1/94

Site Address ~~1112 29TH AVE~~

City OAKLAND Zip 94601 Phone 536-9601

____ MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

Inspection Categories:

- ✓ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
- ✓ II. Business Plans, Acute Hazardous Materials
- ✓ III. Underground Tanks

• Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

II.A BUSINESS PLANS (Title 19)

__	1. Immediate Reporting	2703
__	2. Bus. Plan Stds.	25503(b)
__	3. RR Cars > 30 days	25503.7
__	4. Inventory Information	25504(a)
__	5. Inventory Complete	2730
__	6. Emergency Response	25504(b)
__	7. Training	25504(c)
__	8. Deficiency	25505(a)
__	9. Modification	25505(b)

II.B ACUTELY HAZ. MAT'LS

__	10. Registration Form Filed	25533(a)
__	11. Form Complete	25533(b)
__	12. RMPP Contents	25534(c)
__	13. Implement Sch. Req'd? (Y/N)	___
__	14. OffSite Conseq. Assess.	25524(c)
__	15. Probable Risk Assessment	25534(d)
__	16. Persons Responsible	25534(g)
__	17. Certification	25534(l)
__	18. Exemption Request? (Y/N)	25536(b)
__	19. Trade Secret Requested?	25538

III. UNDERGROUND TANKS (Title 23)

General

__	1. Permit Application	25284 (H&S)
__	2. Pipeline Leak Detection	25292 (H&S)
__	3. Records Maintenance	2712
__	4. Release Report	2651
__	5. Closure Plans	2670

Monitoring for Existing Tanks

__ 6. Method
1) Monthly Test
2) Daily Vadose
Semi-annual gndwater
One time soils
3) Daily Vadose
One time soils
Annual tank test
4) Monthly Gndwater
One time soils
5) Daily Inventory
Annual tank testing
Cont pipe leak det
Vadose/gndwater mon.
6) Daily Inventory
Annual tank testing
Cont pipe leak det
7) Weekly Tank Gauge
Annual tank tsting
8) Annual Tank Testing
Daily Inventory
9) Other _____

__	7. Precis Tank Test Date: _____	2643
__	8. Inventory Rec.	2644
__	9. Soil Testing .	2646
__	10. Ground Water.	2647

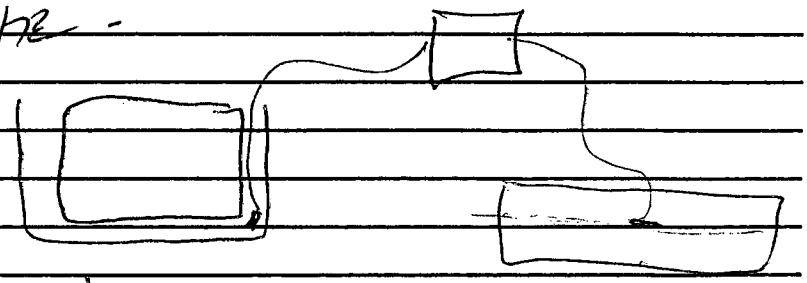
New Tanks

__	11.Monitor Plan	2632
__	12.Access. Secure	2634
__	13.Plans Submit Date: _____	2711
__	14. As Built Date: _____	2635

Rev 6/88

Comments:

MARIANNE GABLE 286-4509
CALTRANS MAINTENANCE SENIOR.
WILL BE CONTACTED REGARDING ISSUANCE
OF UST PERMIT.
AND MONITORING BOX
KEEP A COPY OF HMBP PART II
ONSITE -



TANK TIGHTNESS TEST PASSED
SEPT 1993

1 SINGLE WALL TANK GASOLINE
1 DOUBLE WALL FIBER GLASS

II, III

Contact: JACK GIOLITTI

Title: AREA SUPT.

Signature: [signature]

Inspector: _____

Signature: [signature]

Alameda County - Department of Environmental Health - Hazardous Materials Division - 80 Swan Way, Rm. 200, Oakland, CA 94621 (510) 271-4320

Inventory Reconciliation Worksheet

Month/Year: July 93 Tank #: 2 Size: 2000 Product: unleaded

Site Name: Oakland Site Address: 1112 29th Ave

1	2	3	4	5	6		7		8	
Day	Opening Inventory - Yesterday's Column 6	Withdrawals (metered sales)	Deliveries (Inputs)	Calculated Volume Column 2+4-3	Measured Volume (Dipstick)		Daily Variation Column 6 - 5		Variation To date (sum of Column 7)	
	Gallons	Gallons	Gallons	Gallons	In.	Gallons	+/-	Gallons	+/-	Gallons
7-1	1799	81	0	1718	60	1720	+	2	+	2
7-2	1720	323	0	1395	50	1400	+	5	+	7
7-6	1400	154	0	1288	46	1288	+	22	+	29
7-7	1288	147	0	1141	40	1086	-	55	-	26
7-8	1086	102	1018	2000	72	1984	-	6	-	32
7-9	1984	122	0	1862	66	1871	+	9	-	23
7-12	1871	379	0	1492	54	1545	+	53	+	30
7-13	1545	294	0	1251	44	1221	-	30	0	0
7-14	1221	466	0	755	30	748	-	7	-	7
7/15	748	73	1000	1675	58	1663	-	12	-	19
7/16	1663	1207	1000	1456	51	1451	-	4	-	23
7/26	1451	353	0	1098	41	1120	+	22	-	1
7/27	1120	588	0	532	23	521	-	11	-	12
7-28	521	108	1100	1513	54	1545	+	32	+	20
7/29	1545	176	0	1369	48	1354	-	15	+	5
7/30	1354	135	0	1219	44	1221	-	8	-	3

Sample - Copy

7-16 - 7-26 One Lit. Vol. No Reading for this time.
4118

Maximum Allowable Variation (1% Total Deliveries + 130 Gallons) =

0.01 x Sum of Column 4 _____ - _____ + 130 gallons = A

Total Monthly Variation (Bottom Line of Column 8) = B

Check box for larger amount

InvRecon.Chart
cg 9/6/91

you checked box B, turn this page over for further instructions.

State of California

Department of Transportation
Special Crews
1112 29th Avenue
Oakland, CA 94601

Caltrans

Jack A. Giolitti
Area Superintendent—Striping

(415) 536-9601
ATSS 561-4311
Res: (415) 685-1711

State of California

Department of Transportation
California Highway Patrol Liaison
1112 29th Ave.
Oakland, CA 94601

Office (510) 261-3146
FAX (510) 261-3454
Pager (510) 442-1029
Cellular (510) 541-6006

Guadalupe (Tom) Thomas
Superintendent

ALAMEDA COUNTY, DEPARTMENT OF
ENVIRONMENTAL HEALTH

80 Swan Way, #200
Oakland, CA 94621
(415) 271-4320

Hazardous Materials Division Inspection Form

Site ID# _____ Site Name Cal Trans Today's Date 5/4/93

Site Address 1112 29th Ave EPA ID# _____

City Oak Zip 94601 Phone _____

MAX Amt. Stored > 500lbs/55g/200cf? Y N
Hazardous Waste generated per month? _____

Inspection Categories:
___ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
___ II. Business Plans, Acute Hazardous Materials
X III. Underground Tanks

The marked items represent violations of the Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

I.A GENERATOR (Title 22)

	___ 1. Waste ID	* 66471
	___ 2. EPA ID	66472
	___ 3. > 90 days	66508
	___ 4. Label dates	66508
	___ 5. Biennial	66493
Manifest	___ 6. Records	66492
	___ 7. Correct	66484
	___ 8. Copy sent	66492
	___ 9. Exception	66484
	___ 10. Copies Rec'd	66492
Misc.	___ 11. Treatment	66371
	___ 12. On-site Disp. (H.S.&C.)	26189.5
	___ 13. Ex Haz. Waste	66570
Prevention	___ 14. Communications	67121
	___ 15. Aisle Space	67124
	___ 16. Local Authority	67126
	___ 17. Maintenance	67120
	___ 18. Training	67105
Contin. gency	___ 19. Prepared	67140
	___ 20. Name List	67141
	___ 21. Copies	67141
	___ 22. Emg. Coord. Trng.	67144
Containers, Tanks	___ 23. Condition	67241
	___ 24. Compatibility	67242
	___ 25. Maintenance	67243
	___ 26. Inspection	67244
	___ 27. Buffer Zone	67246
	___ 28. Tank Inspection	67259
	___ 29. Containment	67245
	___ 30. Safe Storage	67261
	___ 31. Freeboard	67257

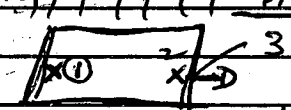
I.B TRANSPORTER (Title 22)

	___ 32. Applic./Insurance	66428
	___ 33. Comp. Cert./CHP Insp.	66448
	___ 34. Containers	66465
Manifest	___ 35. Vehicles	66465
	___ 36. EPA ID #s	66531
	___ 37. Correct	66541
	___ 38. HW Delivery	66543
	___ 39. Records	66544
Cont'rs	___ 40. Name/ Covers	66545
	___ 41. Recyclables	66800

Rev 6/88

Comments:

Witness the removal of 1-1000 fibreglass tank formerly held ~~mix~~ thinner in the gas + diesel range
Margaret Gabil
Jack Gillotti
Mike Blackstone
Stanley Ng
} Cal/Trans
Linda Pohl of MPH sampler
Velita Holmes OFD inspector
LEL = 5% & O_2 = 5%, no obvious holes observed
Transporter: Northern Truck & Eq, license # 311562 exp. Nov. 93
Tank is on south end of yard next to Derby Ave
////// Derby ////// Driveway //// fence
S E W N



Pit approx. 8 x 12 x 6.5', backfilled w/ pea gravel
GW encountered @ ~7', not enough to sple
Sple X1 into east sidewall ~7' into blue gray clay
sple X2 into west sidewall blue gray clay @ 6'5"
sple 3 under product piping 3 BGS

Contact: ~~M. Gabil~~ L. Pohl

Title: _____ Inspector: B Chan

Signature: [signature] Signature: [signature]

1 discrete sple of backfill ~10 cu yds taken (pea gravel)
All specs to be analyzed for TPHg + d + BTEX

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. Form designed for use on e 12-pitch typewriter).

See Instructions on Back of Page 6 and Front of e 7

8148

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD982029324 | Manifest Document No. 43421

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
DEPARTMENT OF TRANSPORTATION
1112 29TH AVENUE, OAKLAND, CA 94601

4. Generator's Phone (510) 286-4311

A. State Manifest Document Number: 90843421

B. State Generator's ID:

5. Transporter 1 Company Name: NORTHERN TRUCK & EQUIPMENT

6. US EPA ID Number: CAD983587759

C. State Transporter's ID: 311562

D. Transporter's Phone: 415-429-8920

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
ERICKSON, INC.
255 PARR BLVD
RICHMOND, CA 94801

10. US EPA ID Number: CAD009466392

G. State Facility's ID: CAD009466392

H. Facility's Phone: 510-235-1393

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. WASTE EMPTY STORAGE TANK NON-RCRA HAZARDOUS WASTE SOLID	001	TP	01000	P	State 512 / EPA/Other NONE
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
QTY. 1 EMPTY STORAGE TANK #11152. TANK HAS BEEN INERTED WITH 15 LBS OF DRY ICE PER 1000 GALLON CAPACITY

K. Handling Codes for Wastes Listed Above
a. 99 b. c. d.

15. Special Handling Instructions and Additional Information
KEEP AWAY FROM SOURCES OF IGNITION. ALWAYS WEAR HARDHATS WHEN WORKING AROUND U.G.S.T.'S 24 HR. CONTACT NAME: MARGARET GABIL @ 510-286-4509.

16.
GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: JACK GIOLITTI | Signature: Jack Giolitti | Month Day Year: 05 14 93

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: HUNTER PAUL D | Signature: Paul D Hunter | Month Day Year: 05 14 93

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: KAREN RUFFIN | Signature: Karen Ruffin | Month Day Year: 05 14 93

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

90843421

Do Not Write Below This Line

DHS 8022 A
EPA 8700—22
(Rev. 6-89) Previous editions are obsolete.

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS

IGHT
PHONE
10) 235-1393

CERTIFICATE

CERTIFIED SERVICES COMPANY

255 Parr Boulevard • Richmond, California 94801

NO. 12630

CUSTOMER MPH

JOB NO. 81489

FOR: Erickson, Inc. TANK NO. 11152

LOCATION: Richmond DATE: 05/20/93 TIME: 13:55:28

TEST METHOD Visual Gastech/1314 SMPN LAST PRODUCT LG

This is to certify that I have personally determined that this tank is in accordance with the American Petroleum Institute and have found the condition to be in accordance with its assigned designation. This certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

TANK SIZE 1000 Gallon Tank CONDITION SAFE FOR FIRE

REMARKS: OXYGEN 20.9%
LOWER EXPLOSIVE LIMIT LESS THAN 0.1%

"ERICKSON INC. HEREBY CERTIFIES THAT THE ABOVE NUMBERED TANK HAS BEEN CUT OPEN, PROCESSED, AND THEREFORE DESTROYED AT OUR PERMITTED HAZARDOUS WASTE FACILITY."

In the event of any physical or atmospheric changes affecting the gas-free conditions of the above tanks, or if in any doubt, immediately stop all hot work and contact the undersigned. This permit is valid for 24 hours if no physical or atmospheric changes occur.

STANDARD SAFETY DESIGNATION

SAFE FOR MEN: Means that in the compartment or space so designated (a) The oxygen content of the atmosphere is at least 19.5 percent by volume; and that (b) Toxic materials in the atmosphere are within permissable concentrations; and (c) In the judgment of the Inspector, the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Inspector's certificate.

SAFE FOR FIRE: Means that in the compartment so designated (a) The concentration of flammable materials in the atmosphere is below 10 percent of the lower explosive limit; and that (b) In the judgment of the Inspector, the residues are not capable of producing a higher concentration that permitted under existing atmospheric conditions in the presence of fire and while maintained as directed on the Inspector's certificate, and further, (c) All adjacent spaces have either been cleaned sufficiently to prevent the spread of fire, are satisfactorily inerted, or in the case of fuel tanks, have been treated as deemed necessary by the Inspector.

The undersigned representative acknowledges receipt of this certificate and understands the conditions and limitations under which it was issued.

REPRESENTATIVE Kalita TITLE INSPECTOR

NATIONAL
ENVIRONMENTAL
TESTING, INC.

NET Pacific, Inc.
435 Tesconi Circle
Santa Rosa, CA 95401
Tel: (707) 526-7200
Fax: (707) 526-9623

Linda Pool
MPH, Inc.
PO Box 1921
Santa Rosa, CA 95402

Date: 05/26/1993
NET Client Acct No: 28500
NET Pacific Job No: 93.01989
Received: 05/14/1993

Client Reference Information

Cal Trans, Oakland, Project No. C-246

Sample analysis in support of the project referenced above has been completed and results are presented on following pages. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Should you have questions regarding procedures or results, please feel welcome to contact Client Services.

Approved by:

Jules Skamarack
Laboratory Manager

JS:rct
Enclosure(s)

Client No: 28500
Client Name: MPH, Inc.
NET Log No: 93.01989

Date: 05/26/1993

Ref: Cal Trans, Oakland, Project No. C-246

Descriptor, Lab No. and Results

Parameter	S-FE 05/14/1993 11:50 157368	S-PE 05/14/1993 12:04 157369	Reporting Limit	Units	Method
TPH (Gas/BTXE,Solid)					
METHOD 5030 (GC,FID)	--	--			
DATE ANALYZED	05-18-93	05-18-93			
DILUTION FACTOR*	1	1			
as Gasoline	ND	1.4**	1	mg/kg	5030
METHOD 8020 (GC,Solid)	--	--			
DATE ANALYZED	05-18-93	05-18-93			
DILUTION FACTOR*	1	1			
Benzene	ND	ND	2.5	ug/kg	8020
Ethylbenzene	ND	ND	2.5	ug/kg	8020
Toluene	ND	ND	2.5	ug/kg	8020
Xylenes (Total)	ND	6.5	2.5	ug/kg	8020
SURROGATE RESULTS	--	--			
Bromofluorobenzene	81	92		% Rec.	5030
METHOD 3550 (GC,FID)					
DILUTION FACTOR*	1	1			
DATE EXTRACTED	05-17-93	05-17-93			
DATE ANALYZED	05-18-93	05-18-93			
as Diesel	ND	5.6***	1	mg/kg	3550

** The positive result for Petroleum Hydrocarbons as Gasoline appears to be due to the presence of heavier hydrocarbons rather than Gasoline.

*** The positive result for Petroleum Hydrocarbons as Diesel appears to be due to the presence of lighter hydrocarbons rather than Diesel.

Client No: 28500
Client Name: MPH, Inc.
NET Log No: 93.01989

Date: 05/26/1993

Ref: Cal Trans, Oakland, Project No. C-246

Descriptor, Lab No. and Results

Parameter	S-P 05/14/1993 12:10 157370	S-SP 05/14/1993 12:35 157371	Reporting Limit	Units	Method
TPH (Gas/BTXE,Solid)					
METHOD 5030 (GC,FID)	--	--			
DATE ANALYZED	05-18-93	05-18-93			
DILUTION FACTOR*	1	1			
as Gasoline	ND	ND	1	mg/kg	5030
METHOD 8020 (GC,Solid)	--	--			
DATE ANALYZED	05-18-93	05-18-93			
DILUTION FACTOR*	1	1			
Benzene	ND	ND	2.5	ug/kg	8020
Ethylbenzene	ND	ND	2.5	ug/kg	8020
Toluene	ND	ND	2.5	ug/kg	8020
Xylenes (Total)	ND	ND	2.5	ug/kg	8020
SURROGATE RESULTS	--	--			
Bromofluorobenzene	76	87		% Rec.	5030
METHOD 3550 (GC,FID)					
DILUTION FACTOR*	1	1			
DATE EXTRACTED	05-17-93	05-17-93			
DATE ANALYZED	05-18-93	05-21-93			
as Diesel	2.2**	ND	1	mg/kg	3550

** The positive result for Petroleum Hydrocarbons as Diesel appears to be due to the presence of lighter hydrocarbons rather than Diesel.

Client No: 28500
Client Name: MPH, Inc.
NET Log No: 93.01989

Date: 05/26/1993

Ref: Cal Trans, Oakland, Project No. C-246

QUALITY CONTROL DATA

Parameter	Reporting Limits	Units	Cal Verf Stand % Recovery	Blank Data	Spike % Recovery	Duplicate Spike % Recovery	RPD
Gasoline	1.0	mg/kg	98	ND	93	90	3.3
Benzene	2.5	ug/kg	92	ND	95	94	1.5
Toluene	2.5	ug/kg	90	ND	94	93	1.0
Diesel	1	mg/kg	110	ND	91	93	2.0

COMMENT: Blank Results were ND on other analytes tested.

NET®

KEY TO ABBREVIATIONS and METHOD REFERENCES

<	:	Less than; When appearing in results column indicates analyte not detected at the value following. This datum supercedes the listed Reporting Limit.
*	:	Reporting Limits are a function of the dilution factor for any given sample. To obtain the actual reporting limits for this sample, multiply the stated Reporting Limits by the dilution factor (but do not multiply reported values).
ICVS	:	Initial Calibration Verification Standard (External Standard).
mean	:	Average; sum of measurements divided by number of measurements.
mg/Kg (ppm)	:	Concentration in units of milligrams of analyte per kilogram of sample, wet-weight basis (parts per million).
mg/L	:	Concentration in units of milligrams of analyte per liter of sample.
mL/L/hr	:	Milliliters per liter per hour.
MPN/100 mL	:	Most probable number of bacteria per one hundred milliliters of sample.
N/A	:	Not applicable.
NA	:	Not analyzed.
ND	:	Not detected; the analyte concentration is less than applicable listed reporting limit.
NTU	:	Nephelometric turbidity units.
RPD	:	Relative percent difference, 100 [Value 1 - Value 2]/mean value.
SNA	:	Standard not available.
ug/Kg (ppb)	:	Concentration in units of micrograms of analyte per kilogram of sample, wet-weight basis (parts per billion).
ug/L	:	Concentration in units of micrograms of analyte per liter of sample.
umhos/cm	:	Micromhos per centimeter.

Method References

Methods 100 through 493: see "Methods for Chemical Analysis of Water & Wastes", U.S. EPA, 600/4-79-020, rev. 1983.

Methods 601 through 625: see "Guidelines Establishing Test Procedures for the Analysis of Pollutants" U.S. EPA, 40 CFR, Part 136, rev. 1988.

Methods 1000 through 9999: see "Test Methods for Evaluating Solid Waste", U.S. EPA SW-846, 3rd edition, 1986.

SM: see "Standard Methods for the Examination of Water & Wastewater, 17th Edition, APHA, 1989.

M. P. H., INC.
P. O. BOX 1921
SANTA ROSA, CA 95402
707-528-1493
707-528-0727 (FAX)

CHAIN OF CUSTODY RECORD

3601

Turn-Around Time 5-10 day turnaround
Lab Net Pacific
Contact Person

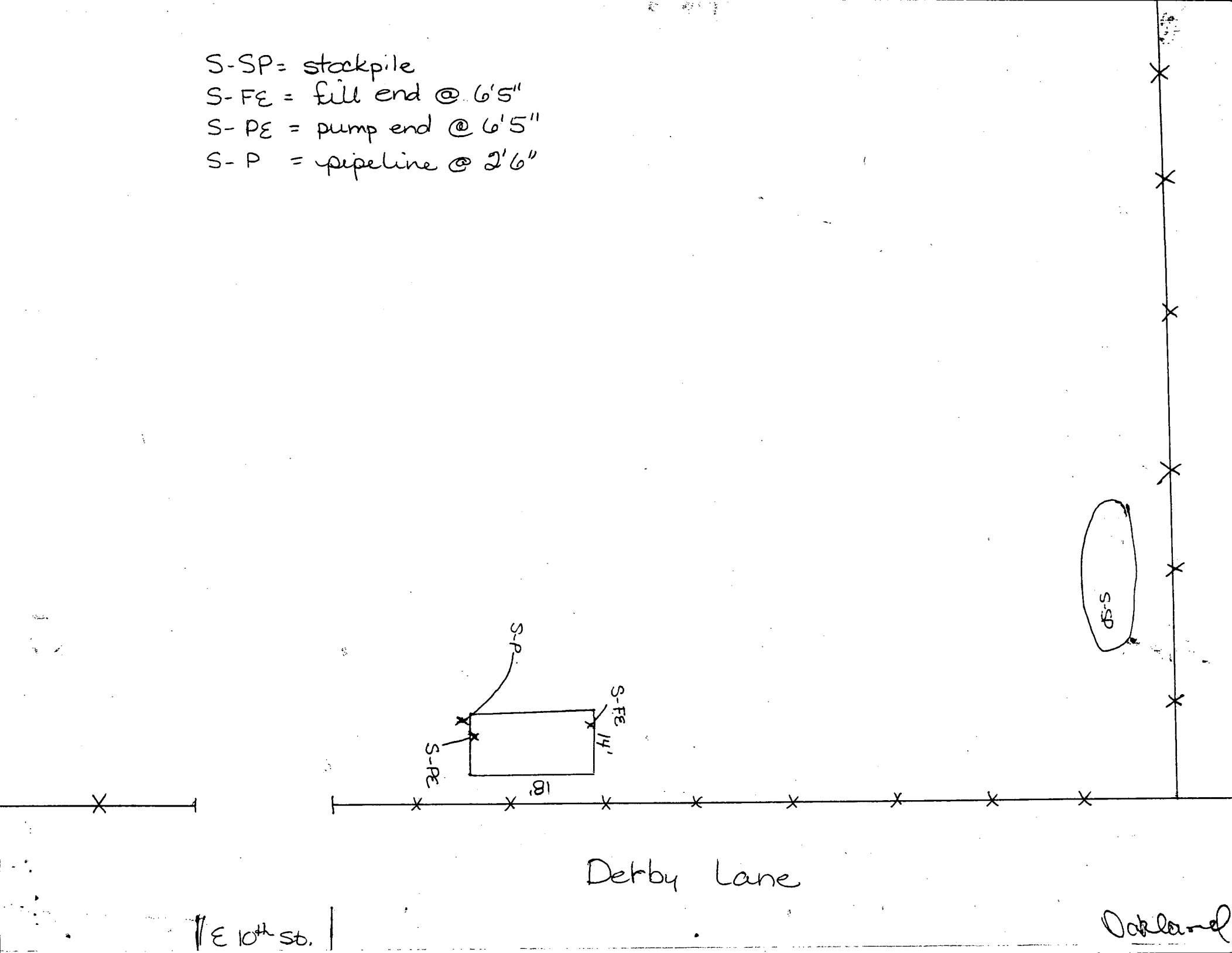
Project No. C-246
Project Name and Location Cal Trans - Oakland
Samplers: (Signature) Linda Pool

Station	Date	Time	Media	Depth	Composites	No. of Containers	Station Location	TPH as Gas	TPH as Diesel	BTX&E							Remarks	Detection Limits
S-FE	5-14-93	11:50	Soil	6'5"	—	1	Fill End	x	x	x								
S-PE	5-14-93	12:04	Soil	6'5"	-	1	Pump End	x	x	x								
S-P	5-14-93	12:10	Soil	2'6"	-	1	Pipe Line	x	x	x								
S-SP	5-14-93	12:35	Soil	1'	—	1	Stockpile	x	x	x							(Gravel)	

5-day turnaround only

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Linda Pool	5-14-93 17:25				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks:	
		J. Sorensen	5/14/93 17:25		

S-SP = stockpile
S-FE = fill end @ 6'5"
S-PE = pump end @ 6'5"
S-P = pipeline @ 2'6"



N. Lew

BAY AREA AIR QUALITY MANAGEMENT DISTRICT
939 ELLIS STREET
SAN FRANCISCO, CALIFORNIA 94109
(415) 771-6000

REGULATION 8, RULE 40
Aeration of Contaminated Soil and Removal of Underground Storage Tanks

NOTIFICATION FORM

XX Removal or Replacement of Tanks
____ Excavation of Contaminated Soil

May 5, 1993

SITE INFORMATION

SITE ADDRESS: 1112 29th Avenue
CITY, STATE: Oakland, CA ZIP: 94601
OWNER NAME: Cal Trans - Department of Transportation
SPECIFIC LOCATION OF PROJECT: along south east side of property

TANK REMOVAL - solvent tank
SCHEDULED STARTUP DATE: 5-11-93
VAPORS REMOVED BY:
[ ] WATER WASH
[XX] VAPOR FREEING (CO^2)
[ ] VENTILATION

CONTAMINATED SOIL EXCAVATION
SCHEDULED STARTUP DATE: ____
STOCKPILES WILL BE COVERED? YES ____ NO ____
ALTERNATIVE METHOD OF AERATION (DESCRIBE BELOW):
____
(MAY REQUIRE PERMIT)

CONTRACTOR INFORMATION

NAME: M. P. H., Inc. CONTACT: Linda Pool
ADDRESS: P. O. Box 1921 PHONE (707) 528-1493
CITY, STATE, ZIP: Santa Rosa, CA 95402

CONSULTANT INFORMATION
(IF APPLICABLE)

NAME: ____ CONTACT: ____
ADDRESS: ____ PHONE ( ) ____
CITY, STATE, ZIP: ____

FOR OFFICE USE ONLY

DATE RECEIVED FAX: 5/5/93 BY: Pbg (init.)
DATE POSTMARKED: ____ BY: ____ (init.)
CC: INSPECTOR NO. 553 DATE: 5/7/93 BY: Pbg (init.)
UPDATE: CONTACT NAME: ____ DATE: ____ BY: ____ (init.)
BAAQMD N #: ____ DATA ENTRY: ____

FROM

M. P. H., INC.
License No. 276290
P.O. Box 1921
SANTA ROSA, CALIFORNIA 95402

(707) 528-1493

Message Reply

DATE: Apr: 19, 1993

FILE NO. C-246

PRIORITY
- [x] URGENT!
- [ ] SOON AS POSSIBLE
- [ ] NO REPLY NEEDED

ATTENTION: Mr. Bernie Chan

TO
Alameda Cty Health Care Ser. Agny
Dept of Env Health
Hazardous Materials Division
80 Swan Way, Rm 200
Oakland, CA 94621

SUBJECT: Tank Removal:
1112 - 29th Avenue
Oakland, CA 94601
Cal Trans - Dept of Transp.

MESSAGE

Dear Bernie:

As per your request attached please find form A & B, copy of Hazardous Substances Removal and Remedial Actions Certification. Please note also, after completion of contract, Margaret Gable remains the contact person. Telephone 510-286-4495. Should you have any further questions, please contact us.

Sincerely,

SIGNED: Linda

DATE OF REPLY:

REPLY TO:

REPLY

SIGNED:

SENDER: MAIL RECIPIENT WHITE AND PINK SHEETS.

FROM

M. P. H., INC.
License No. 276290
P.O. Box 1921
SANTA ROSA, CALIFORNIA 95402

(707) 528-1493

Message Reply

DATE: April 19, 1993

FILE NO. C-246

PRIORITY
- ☐ URGENT!
- ☐ SOON AS POSSIBLE
- ☐ NO REPLY NEEDED

ATTENTION: Mr. Bernie Chan

TO
Alameda Cty Health Care Ser. Agny
Dept of Env Health
Hazardous Materials Division
80 Swan Way, Rm 200
Oakland, CA 94621

SUBJECT: Tank Removal:
1112 - 29th Avenue
Oakland, CA 94601
Cal Trans - Dept of Transp.

MESSAGE

Dear Bernie:

As per your request attached please find form A & B, copy of Hazardous Substances Removal and Remedial Actions Certification. Please note also, after completion of contract, Margaret Gable remains the contact person. Telephone 510-286-4495. Should you have any further questions, please contact us.

Sincerely,

SIGNED: Linda

DATE OF REPLY:

REPLY TO:

REPLY

SIGNED:

RECIPIENT: WRITE REPLY. RETURN WHITE TO SENDER. KEEP THIS PINK COPY.

FROM

M. P. H., INC.
License No. 276290
P.O. Box 1921
SANTA ROSA, CALIFORNIA 95402

(707) 528-1493

Message Reply

DATE: apr 5, 1993

FILE NO. C-246

ATTENTION:

PRIORITY
- ☐ URGENT!
- ☐ SOON AS POSSIBLE
- ☐ NO REPLY NEEDED

TO

Alameda County Health Care Services Agency
Department of environmental Health
Hazardous Materials Division
80 Swan Way, Room 200
Oakland, CA 94621

SUBJECT:
Tank Removal:
1112 - 29th Avenue
Oakland, CA 94601
Cal Trans - DOT

MESSAGE

To Whom It May Concern:

Enclosed please find three (3) copies of your permit application, our check for $483, site may, site safety plan, MSDS and workman comp certificate.

Please call and let me know when our permit has been approved.

Sincerely,

SIGNED: Linda

DATE OF REPLY:

REPLY TO:

REPLY

SIGNED:

SENDER: MAIL RECIPIENT WHITE AND PINK SHEETS.

FROM

M. P. H., INC.
License No. 276290
P.O. Box 1921
SANTA ROSA, CALIFORNIA 95402

(707) 528-1493

Message Reply

DATE: apr 5, 1993

FILE NO. C-246

ATTENTION:

PRIORITY
- ☐ URGENT!
- ☐ SOON AS POSSIBLE
- ☐ NO REPLY NEEDED

TO

Alameda County Health Care Services Agency
Department of environmental Health
Hazardous Materials Division
80 Swan Way, Room 200
Oakland, CA 94621

SUBJECT:
Tank Removal:
1112 - 29th Avenue
Oakland, CA 94601
Cal Trans - DOT

MESSAGE

To Whom It May Concern:

Enclosed please find three (3) copies of your permit application, our check for $483, site may, site safety plan, MSDS and workman comp certificate.

Please call and let me know when our permit has been approved.

Sincerely,

SIGNED: Linda

REPLY

DATE OF REPLY:

REPLY TO:

SIGNED:

RECIPIENT: WRITE REPLY. RETURN WHITE TO SENDER. KEEP THIS PINK COPY.

STATE OF CALIFORNIA
STATE AND CONSUMER SERVICES AGENCY

DEPARTMENT OF
Consumer Affairs

CONTRACTORS STATE LICENSE BOARD

Building Quality

HAZARDOUS SUBSTANCES REMOVAL AND REMEDIAL ACTIONS CERTIFICATION

Pursuant to the provisions of Section 7058.7 of the Business and Professions Code, the Registrar of Contractors does hereby certify that the following qualifying person has successfully completed the hazardous substances removal and remedial actions examination.

Qualifier: C. WESLEY POOL

License No.: 276290

Namestyle: M. P. H., INC.

DEPARTMENT OF CONSUMER AFFAIRS
REGISTRAR OF CONTRACTORS
STATE OF CALIFORNIA

WITNESS *my hand and official seal this* 15TH *day of* OCTOBER, 1990

David R Phillips
Registrar of Contractors

This certification is the property of the Registrar of Contractors, is not transferable, and shall be returned to the Registrar upon demand when suspended, revoked, or invalidated for any reason.

13L-36 (7/88)

A3597

P1

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

80 Swan Way, #200
Oakland, CA 94621
(415) 271-4320

Hazardous Materials Division Inspection Form

Site ID# _____ Site Name Caltrans Today's Date 3/31/92

Site Address 1112 29th Avenue EPA ID# _____

City Oakland Zip 94601 Phone 536-9601

MAX Amt. Stored > 500lbs/55g/200cf? Y N
Hazardous Waste generated per month? _____

Inspection Categories:
___ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
___ II. Business Plans, Acute Hazardous Materials
___ III. Underground Tanks

The marked items represent violations of the Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

I.A GENERATOR (Title 22)

	___ 1. Waste ID	* 66471
	___ 2. EPA ID	66472
	___ 3. > 90 days	66508
	___ 4. Label dates	66508
	___ 5. Biennial	66493
Manifest	___ 6. Records	66492
	___ 7. Correct	66484
	___ 8. Copy sent	66492
	___ 9. Exception	66484
	___ 10. Copies Rec'd	66492
Misc.	___ 11. Treatment	66371
	___ 12. On-site Disp. (H.S.&C.)	26189.5
	___ 13. Ex Haz. Waste	66570
Prevention	___ 14. Communications	67121
	___ 15. Aisle Space	67124
	___ 16. Local Authority	67126
	___ 17. Maintenance	67120
	___ 18. Training	67105
Contin. gency	___ 19. Prepared	67140
	___ 20. Name List	67141
	___ 21. Copies	67141
	___ 22. Emg. Coord. Trng.	67144
Containers, Tanks	___ 23. Condition	67241
	___ 24. Compatibility	67242
	___ 25. Maintenance	67243
	___ 26. Inspection	67244
	___ 27. Buffer Zone	67246
	___ 28. Tank Inspection	67259
	___ 29. Containment	67245
	___ 30. Safe Storage	67261
	___ 31. Freeboard	67257

I.B TRANSPORTER (Title 22)

	___ 32. Applic./Insurance	66428
	___ 33. Comp. Cert./CHP Insp.	66448
	___ 34. Containers	66465
Manifest	___ 35. Vehicles	66465
	___ 36. EPA ID #s	66531
	___ 37. Correct	66541
	___ 38. HW Delivery	66543
	___ 39. Records	66544
Cont'rs	___ 40. Name/ Covers	66545
	___ 41. Recyclables	66800

Rev 6/88

Comments:

Site visit at Caltrans Corp maintenance yard regarding haz materials, waste storage

Vehicles are maintained on the premisis and waste oil is retained onsite. Currently Caltrans is negotiating with a different haz waste disposal company for pickup.

(1) 2000 gallon underground storage unleaded
(1) 4000 gal. diesel UST

inventory reconcilliation is currently not being conducted daily. I informed Jack Grotilli that daily stick / dispensor readings must be conducted. I discussed the procedure with him and promised to send a monthly reporting form to him.

Please send a copy of the annual tank integrity test to this office at your earliest convenience

The paint thinner UST in the back of the property needs to be either properly permitted/monitored or removed
Please address this issue ASAP.

Contact: Jack Grotelli
Title: Area Superintendent
Signature: Jack Grotelli

Inspector: Paul Smith
Signature: Paul M. Smith

P2

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

80 Swan Way, #200
Oakland, CA 94621
(415) 271-4320

Hazardous Materials Division Inspection Form

I

Site ID# _____ Site Name Caltrans Today's Date 3/31/92

Site Address 1112 29th Avenue EPA ID# _____

City Oakland Zip 94601 Phone 536-9601

MAX Amt. Stored > 500lbs/55g/200cf? Y N
Hazardous Waste generated per month? _____

Inspection Categories:
___ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
___ II. Business Plans, Acute Hazardous Materials
___ III. Underground Tanks

The marked items represent violations of the Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

I.A GENERATOR (Title 22)

	___ 1. Waste ID	* 66471
	___ 2. EPA ID	66472
	___ 3. > 90 days	66508
	___ 4. Label dates	66508
	___ 5. Biennial	66493
Manifest	___ 6. Records	66492
	___ 7. Correct	66484
	___ 8. Copy sent	66492
	___ 9. Exception	66484
	___ 10. Copies Rec'd	66492
Misc.	___ 11. Treatment	66371
	___ 12. On-site Disp. (H.S.&C.)	26189.5
	___ 13. Ex Haz. Waste	66570
Prevention	___ 14. Communications	67121
	___ 15. Aisle Space	67124
	___ 16. Local Authority	67126
	___ 17. Maintenance	67120
	___ 18. Training	67105
Contin. gency	___ 19. Prepared	67140
	___ 20. Name List	67141
	___ 21. Copies	67141
	___ 22. Emg. Coord. Trng.	67144
Containers, Tanks	___ 23. Condition	67241
	___ 24. Compatibility	67242
	___ 25. Maintenance	67243
	___ 26. Inspection	67244
	___ 27. Buffer Zone	67246
	___ 28. Tank Inspection	67259
	___ 29. Containment	67245
	___ 30. Safe Storage	67261
	___ 31. Freeboard	67257

I.B TRANSPORTER (Title 22)

	___ 32. Applic./Insurance	66428
	___ 33. Comp. Cert./CHP Insp.	66448
	___ 34. Containers	66465
Manifest	___ 35. Vehicles	66465
	___ 36. EPA ID #s	66531
	___ 37. Correct	66541
	___ 38. HW Delivery	66543
	___ 39. Records	66544
Cont'rs	___ 40. Name/ Covers	66545
	___ 41. Recyclables	66800

Comments:

waste oil is contained in a 500 gallon above ground storage tank

empty filters are drained and then stored for pick up by the oil recycler. Currently no records are available for oil filter pick up.
Hazardous materials stored onsite include (greater than 50gal): 15W-40, oxygen, acetylene, toluene, kerosene drum oil, LP commisters

Fifteen 55 gallon waste drums are being stored in the back of the yard on pallets. The 90 day accumulation date has been exceeded. Some of the drums are improperly labelled or not labelled. You are required to provide a copy of the waste receipt for pick up/manifest to this office. You are required to get this material manifested offsite ASAP.
wash rack area appears to have an oil grease separator. you are requested to determine whether the drain connects to storm drain or sewer line. Please advise.

I

Rev 6/88

Contact: Jack Giolitti

Title: Area Superintendent

Signature: Jack Giolitti

Inspector: Paul Smith

Signature: Paul M. Smith

P3

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

80 Swan Way, #200
Oakland, CA 94621
(415) 271-4320

Hazardous Materials Inspection Form

II,III

Site ID # ____ Site Name CAltrans Today's Date ___/___/___

Site Address 1112 29th Avenue

City Oakland Zip 94601 Phone 536-9601

____ MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

Inspection Categories:
____ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
____ II. Business Plans, Acute Hazardous Materials
____ III. Underground Tanks

* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

II.A BUSINESS PLANS (Title 19)

___ 1. Immediate Reporting	2703
___ 2. Bus. Plan Stds.	25503(b)
___ 3. RR Cars > 30 days	25503.7
___ 4. Inventory Information	25504(a)
___ 5. Inventory Complete	2730
___ 6. Emergency Response	25504(b)
___ 7. Training	25504(c)
___ 8. Deficiency	25505(a)
___ 9. Modification	25505(b)

II.B ACUTELY HAZ. MAT'LS

___ 10. Registration Form Filed	25533(a)
___ 11. Form Complete	25533(b)
___ 12. RMPP Contents	25534(c)
___ 13. Implement Sch. Req'd? (Y/N)	____
___ 14. OffSite Conseq. Assess.	25524(c)
___ 15. Probable Risk Assessment	25534(d)
___ 16. Persons Responsible	25534(g)
___ 17. Certification	25534(l)
___ 18. Exemption Request? (Y/N)	25536(b)
___ 19. Trade Secret Requested?	25538

III. UNDERGROUND TANKS (Title 23)

General

___ 1. Permit Application	25284 (H&S)
___ 2. Pipeline Leak Detection	25292 (H&S)
___ 3. Records Maintenance	2712
___ 4. Release Report	2651
___ 5. Closure Plans	2670

Monitoring for Existing Tanks

___ 6. Method
1) Monthly Test
2) Daily Vadose
Semi-annual gndwater
One time soils
3) Daily Vadose
One time soils
Annual tank test
4) Monthly Gndwater
One time soils
5) Daily Inventory
Annual tank testing
Cont pipe leak det
Vadose/gndwater mon.
6) Daily Inventory
Annual tank testing
Cont pipe leak det
7) Weekly Tank Gauge
Annual tank tsting
8) Annual Tank Testing
Daily Inventory
9) Other _____

___ 7. Precis Tank Test Date: _____	2643
___ 8. Inventory Rec.	2644
___ 9. Soil Testing .	2646
___ 10. Ground Water.	2647

New Tanks

___ 11. Monitor Plan	2632
___ 12. Access. Secure	2634
___ 13. Plans Submit Date: _____	2711
___ 14. As Built Date: _____	2635

Rev 6/88

Comments:

Compliance review for Business Plan
Some amendments to the April 1, 1992 business plan were noted. Otherwise plan appears accurate.

last waste oil pickup by Telic Engineering corp 60 gal Aug 20, 1991

II, III

Contact: Jack Giolitti
Title: Area Superintendent
Signature: Jack Giolitti

Inspector: Paul M. Smith
Signature: _____

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

80 Swan Way, #200
Oakland, CA 94621
(415) 271-4320

Hazardous Materials Division Inspection Form

Site ID# 2933 Site Name Cal Trans So Oak Stn Today's Date 1/24/90

Site Address 1112 - 29th Ave EPA ID# 9820 29324

City _____ Zip 94601 Phone 536-9601

MAX Amt. Stored > 500lbs/55g/200cf? (Y) N
Hazardous Waste generated per month? _____

Inspection Categories:
- ✓ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
- ✓ II. Business Plans, Acute Hazardous Materials
- ✓ III. Underground Tanks

The marked items represent violations of the Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

I.A GENERATOR (Title 22)

	___ 1. Waste ID	* 66471
	___ 2. EPA ID	66472
	___ 3. > 90 days	66508
	___ 4. Label dates	66508
	___ 5. Biennial	66493
Manifest	___ 6. Records	66492
	___ 7. Correct	66484
	___ 8. Copy sent	66492
	___ 9. Exception	66484
	___ 10. Copies Rec'd	66492
Misc.	___ 11. Treatment	66371
	___ 12. On-site Disp. (H.S.&C.)	26189.5
	___ 13. Ex Haz. Waste	66570
Prevention	___ 14. Communications	67121
	___ 15. Aisle Space	67124
	___ 16. Local Authority	67126
	___ 17. Maintenance	67120
	___ 18. Training	67105
Contin. gency	___ 19. Prepared	67140
	___ 20. Name List	67141
	___ 21. Copies	67141
	___ 22. Emg. Coord. Trng.	67144
Containers, Tanks	___ 23. Condition	67241
	___ 24. Compatibility	67242
	___ 25. Maintenance	67243
	___ 26. Inspection	67244
	___ 27. Buffer Zone	67246
	___ 28. Tank Inspection	67259
	___ 29. Containment	67245
	___ 30. Safe Storage	67261
	___ 31. Freeboard	67257

I.B TRANSPORTER (Title 22)

	___ 32. Applic./Insurance	66428
	___ 33. Comp. Cert./CHP Insp.	66448
	___ 34. Containers	66465
Manifest	___ 35. Vehicles	66465
	___ 36. EPA ID #s	66531
	___ 37. Correct	66541
	___ 38. HW Delivery	66543
	___ 39. Records	66544
Cont'rs	___ 40. Name/ Covers	66545
	___ 41. Recyclables	66800

Comments:

Through Oil Changes up to 3 drums of waste oil is present @ 1 time. Oil must be disposed within 90 days by EPA licensed recycler.

Please send copies of last year receipt.

Must keep records for the past 3 years.

345 gallon totes of striping paint & 55 gallon drums of stripping paint are ~ 50% alcohol & are consumed in usage. Spent drums are air dried.

Rev 6/88

Contact: Jack Giolitti
Title: AREA SUPT II
Signature: Jack Giolitti

Inspector: Barney Chan
Signature: Barney Chan

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

80 Swan Way, #200
Oakland, CA 94621
(415) 271-4320

Hazardous Materials Inspection Form

II,III

Site ID # ____ Site Name Cal Trans So Oak Stn Today's Date 1/24/90

Site Address 1112 - 29th Ave

City Oakland Zip 94601 Phone ____

____ MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

Inspection Categories:
____ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
____ II. Business Plans, Acute Hazardous Materials
____ III. Underground Tanks

* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

II.A BUSINESS PLANS (Title 19)

__	1. Immediate Reporting	2703
__	2. Bus. Plan Stds.	25503(b)
__	3. RR Cars > 30 days	25503.7
__	4. Inventory Information	25504(a)
__	5. Inventory Complete	2730
__	6. Emergency Response	25504(b)
__	7. Training	25504(c)
__	8. Deficiency	25505(a)
__	9. Modification	25505(b)

II.B ACUTELY HAZ. MAT'LS

__	10. Registration Form Filed	25533(a)
__	11. Form Complete	25533(b)
__	12. RMPP Contents	25534(c)
__	13. Implement Sch. Req'd? (Y/N)	___
__	14. OffSite Conseq. Assess.	25524(c)
__	15. Probable Risk Assessment	25534(d)
__	16. Persons Responsible	25534(g)
__	17. Certification	25534(f)
__	18. Exemption Request? (Y/N)	25536(b)
__	19. Trade Secret Requested?	25538

III. UNDERGROUND TANKS (Title 23)

General

__	1. Permit Application	25284 (H&S)
__	2. Pipeline Leak Detection	25292 (H&S)
__	3. Records Maintenance	2712
__	4. Release Report	2651
__	5. Closure Plans	2670

Monitoring for Existing Tanks

__ 6. Method
1) Monthly Test
2) Daily Vadose
Semi-annual gndwater
One time soils
3) Daily Vadose
One time soils
Annual tank test
4) Monthly Gndwater
One time soils
5) Daily Inventory
Annual tank testing
Cont pipe leak det
Vadose/gndwater mon.
6) Daily Inventory
Annual tank testing
Cont pipe leak det
7) Weekly Tank Gauge
Annual tank tsting
8) Annual Tank Testing
Daily Inventory
9) Other _____

__	7. Precis Tank Test Date: _____	2643
__	8. Inventory Rec.	2644
__	9. Soil Testing.	2646
__	10. Ground Water.	2647

New Tanks

__	11. Monitor Plan	2632
__	12. Access. Secure	2634
__	13. Plans Submit Date: _____	2711
__	14. As Built Date: _____	2635

Rev 6/88

Comments: Jim Newman 933-5950 933-5776 or Larry Mc Peak - Sup 2

1-4000 gal diesel single-walled - Suction pump
1-2000 gal gasoline " " - " "
1-500 gal paint thinner - empty at this time
will send closure forms for Solvent tank
Tanks are stick 2x/week.

Can use Alternative #7 to test the fuel tanks.
Spoke to Mr Larry Mc Peak.
March 89 - Pressure results tested tight -
Send copies to Env Health.
Verify Sticks can measure ± 5 gallons
Return requested information w/i 30 days
Please inform us of your EPA ID#
Please submit completed Business Plan
w/i 30 days.

Call + ask for last 3 mos. tank sticking copies

II, III

Contact: Jack Giolitti
Title: AREA SUPT II
Signature: Jack Giolitti

Inspector: Barney Chan
Signature: Barney Chan

St ID # 2933

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION

80 SWAN WAY, ROOM 200
OAKLAND, CA 94621
#415/271-4320

FACILITY QUESTIONNAIRE

GENERAL INFORMATION

1. Establishment Name: Caltrans
2. Site Address: 1112 29th Avenue
   City Oakland CA Zip 94601
3. Mailing Address (if different):
   City 1112 29th Ave Oakland Zip 94601
4. Contact Person: Jack Gioletti Phone: (510) 536-9601
5. Owner Name: State of CA Owner Phone:
6. Name of Previous Owner: owned for ≈ 50 yrs
7. Date you assumed business:
8. Std. Industrial Classification (SIC)
9. Type of Business: maintenance station
10. Number of Employees: 60
11. EPA ID #: ~~982028462~~ 982029324

PERMITS

Check if you have permits from any of the following:

Local Agencies

12. [ ] Local Sewer District (industrial waste discharges)
    Name of District
13. [ ] City or Local Fire Dept. (Underground tanks, storage)
    Name of City or Dept.
    Type of Permit
14. [X] Alameda County Dept. of Health (Underground tanks)
15. [ ] S.F. Regional Water Quality Management District
16. [ ] Bay Area Air Quality Management District

CALIFORNIA Department of Health Services:

17. [ ] Treatment, Storage, Disposal Facility
18. [ ] Hazardous Waste Hauler

County Use Only

#2933 Site ID
[ ]1 Entry [ ]2

Alameda County, HazMat Generator Questionnaire Site ID No: _____

OTHER

Please check if the following applies at your facility:

19. [ ] Acutely hazardous materials are handled (Attachment 1)
20. [X] More than 500 lbs, 55 gal. or 200 cu. ft. of hazardous materials are handled (per year?) (See attachment 2)
21. [X] Hazardous materials are contained in underground tanks or sumps. has oil grease separator
22. [ ] You have submitted a business plan to the Alameda County Division of Hazardous Materials under California Health & Safety Code, Chapter 6.95.

23. Which of the following categories of hazardous materials are handled at your facility:
[X] Toxic [ ] Corrosive [X] Flammable [ ] Reactive

24. LIST OF CHEMICALS HANDLED

Please list the County Inventory Numbers (CIN) or Chemical Abstract Service (CAS) numbers of any of the hazardous chemicals that you handle. CIN numbers have been assigned to the more commonly used hazardous chemicals. If CAS numbers are used, please precede each number with an asterisk (*).

diesel	epoxy resin (black)				
gasoline	fuses				
oxygen	solvent 51L				
acetylene	oil				
propane	waste oil				

CERTIFICATION

I hereby certify that the information on this form is, to the best of my knowledge, true and complete.

25. Jack Giolitti
Signature

JACK A. GIOLITTI
Typed or Printed Name

26. AREA SUPT.
Title

3-27-92
Date

Please return completed form to: Department of Environmental Health
Hazardous Materials Division

3/88
mam

RECAPITULATION

Engine Fuel and Supplies Consumed for Month of January (1), 1990

FOREMAN J Thomas STATION OAK SP. CREWS

METER	DIESEL	GASOLINE
END OF MONTH		
BEGINNING OF MONTH	6339	2669
DIFFERENCE		

SUMMARY

	GALLONS ENGINE FUEL		QUARTS OIL	POUNDS GREASE
	DIESEL PUMP IDENTIFICATION NUMBER CX	GASOLINE PUMP IDENTIFICATION NUMBER OV	4X	
On hand—Beginning of month—By actual measurement	452	1147	408	
Purchases—Receiving Record No.				
04-21425	3000			
TOTAL TO BE ACCOUNTED FOR	3452	1147	408	
Used—from difference in meter readings (from above)				
On hand—End of month: By records				
On hand—End of month: By actual measurement				
DIFFERENCE				

TOTAL GALLONS	DIESEL	GASOLINE
FUEL DISBURSED DURING MONTH PER DAILY DISBURSEMENT RECORDS		
DIESEL FUEL DISBURSED DURING MONTH FOR ON-HIGHWAY USE		

PREPARED BY _____ APPROVED _____
Superintendent

FORM DMO-M-42 (REV. 1/81)

22562-500 8-81 75M CAM D OSP

RECAPITULATION

Engine Fuel and Supplies Consumed for Month of DECEMBER (12), 19 89

FOREMAN J Thomas STATION OAK SP CREW 3

METER	DIESEL	GASOLINE
END OF MONTH	6332	2669
BEGINNING OF MONTH	5793	1789
DIFFERENCE	539	880

SUMMARY

	GALLONS ENGINE FUEL		QUARTS OIL	POUNDS GREASE
	DIESEL PUMP IDENTIFICATION NUMBER CX	GASOLINE PUMP IDENTIFICATION NUMBER OV	4X	
On hand—Beginning of month—By actual measurement	995	30	432	
Purchases—Receiving Record No.				
CD 04-21424		2000		
INVOICE 13499				
12/6/89 2000 Gal				
TOTAL TO BE ACCOUNTED FOR		2030	432	
Used—from difference in meter readings (from above)	539	880	37	
On hand—End of month: By records	456	1150	395	
On hand—End of month: By actual measurement	452	1160	408	
DIFFERENCE	-4	+10	+7	

TOTAL GALLONS	DIESEL	GASOLINE
FUEL DISBURSED DURING MONTH PER DAILY DISBURSEMENT RECORDS	539	880
DIESEL FUEL DISBURSED DURING MONTH FOR ON-HIGHWAY USE		

PREPARED BY J Thomas APPROVED [signature] Superintendent

FORM DMO-M-42 (REV. 1/81)

22562-500 8-81 75M CAM D OSP

RECAPITULATION

Engine Fuel and Supplies Consumed for Month of November, 19 89

FOREMAN J Thomas STATION South Oakland

METER	DIESEL	GASOLINE
END OF MONTH	5793	1789
BEGINNING OF MONTH	5010	1256
DIFFERENCE	783	533

SUMMARY

	GALLONS ENGINE FUEL		QUARTS OIL	POUNDS GREASE
	DIESEL PUMP IDENTIFICATION NUMBER CX	GASOLINE PUMP IDENTIFICATION NUMBER OV	4X	
On hand—Beginning of month—By actual measurement	1790	585	651	
Purchases—Receiving Record No.				
TOTAL TO BE ACCOUNTED FOR	1790	585	651	
Used—from difference in meter readings (from above)	783	533	252	
On hand—End of month: By records	1007	53	399	
On hand—End of month: By actual measurement	995	30	432	
DIFFERENCE	-12	-23	+33	

TOTAL GALLONS	DIESEL	GASOLINE
FUEL DISBURSED DURING MONTH PER DAILY DISBURSEMENT RECORDS	783	533
DIESEL FUEL DISBURSED DURING MONTH FOR ON-HIGHWAY USE		X

PREPARED BY J Thomas APPROVED J D Mary
Superintendent

FORM DMO-M-42 (REV. 81)

22562-500 8-81 75M CAM ① D OSP

Alameda County-Environmental Health
1131 Harbor Bay Parkway, #250 , Alameda, CA 94502-6577

BILLING ADJUSTMENT FORM

Date: 5/14/97

STID#: 2933

Billing Acct#

☑ Generator....H 51151

☐ HMMP.....L

☐ UST.....T

Caller: _____ Phone: _____

Company Name: CAL TRANS

Site Address: 1112-29TH AVE. City O Zip 94601

REQUESTED CHANGES:

Received by:

[ ] **Discontinue billing** with explanation and date:

- ☐ Generator
- ☐ HMMP (AB2185)
- ☐ UST

[✓] **Continue billing** with following changes: 5/13/97 inspection

	From:	To:
☑ Change number of EMPLOYEES	50-99	34
☐ Change number of TANKS		

- ☐ HMMP (AB2185) - See Attachment
- ☐ Updated information below:

Business Name _____ Phone _____

Site address _____ City _____ Zip _____

Business Owner _____ Phone _____

BILLING address _____ City _____ Zip _____

Specialist: Don Yawong

Date: _____

[✓] Sent to billing on 6/11/97

Rev May 6, 1996; NA
WP6.0; BILLADJ.FRM

ALAMEDA COUNTY/ENVIRONMENTAL HEALTH SERVICES

BILLING INQUIRY FORM

DATE: 5-02-97 PACKET # TD970502

TO: Don Hwang

FROM: BILLING UNIT -- CANDYCE KELLY [redacted] VATEY SENG TRISHAE' DOTSON

Please be advised that the Billing Unit has received an inquiry on the account indicated below.

SITE/BUSINESS NAME: Cal Trans, SO OAK Station

SITE/BUSINESS ADDRESS: 1112 - 29th Ave. Oakland, Ca

BILLING ACCOUNT # H51151 MFR # —— ZIP CODE: 94601

PROBLEM: Tom Thomas - Superintendant (510) 261-3146 called said they only have 34 employees working w/ Haz Mat'l wants fee reduced. Faxed Ltr. attchd Pls. respond. Thanks

Please indicate the appropriate action to be taken. Please complete the following information in order to substantiate or reflect the above problem. In order to complete our billing procedure and to assist the client in a timely manner, it is necessary to request that ***this complete document be returned to the Billing Unit within ten (10) working days.***

____Has business closed permanently? *_____ If yes, when?_____

____Is there a new owner? *_____When did this occur?_____ Who is it?_____

____Is there a new or updated mailing address? _____ What is it?_____

____Has business moved? _____ When?_____What is the new location (if in Alameda County)?

_____

✓ Is there a change in the E.U. # (status) or the charge code?* _____ If yes, please indicate below :

# of employees	from: 50-99	to: 34
# of tanks	from:	to:
E.U. #	from:	to:
E.U. #	from:	to:
HMBP volume	from:	to:
Med. Waste type	from:	to:

→ Pls. indicate change in emplys. in blank space + sign below

Thank you for your prompt attention to this matter. 5/13/97 inspection

INSPECTOR SIGNATURE Don Hwang DATE: 5/13/97

** Permit application/service form or billing adjustment form is needed*

VS\INQ_FORM.DOC (12/96)

Sent 6/11/97

STATE OF CALIFORNIA—BUSINESS, TRANSPORTATION AND HOUSING AGENCY PETE WILSON, Governor

DEPARTMENT OF TRANSPORTATION
SPECIALTY REGION
1112 29th Ave.
Oakland, CA 94601

(510) 261-3146
(510) 261-3454 (FAX)

April 30, 1997

COUNTY OF ALAMEDA
HEALTH CARE SERVICES AGENCY
ENVIRONMENTAL HEALTH BILLING
DON HWANG, HMS
DRAWER N
Alameda, CA 94501

RE: 1997 Hazardous Waste Generator Fee Account # H51151

Dear Mr. Hwang:

This letter confirm the voice mail I left for you concerning the employee reduction that has occurred at the Caltran's facility located at 1112 29th ave., Oakland CA. 94601. Our latest hazmat business plan filed with the City of Oakland Fire Department reflects that we have only 34 employees assigned to this facility. All employees work with hazardous materials. Please adjust the generator fee for 1997 accordingly.

If you have any questions concerning this request, please call me @ the above telephone number.

Guadalupe Thomas
Area Superintendent

cc: File

ENVIRONMENTAL HEALTH ADMINISTRATION
97 MAY -2 AM 11:37

Alameda County - [illegible]rtment of Environmental Health - Hazardou[illegible]aterials Division
8[illegible] [illegible]van Way, #200 Oakland, CA 94621 (415) 2[illegible] [illegible]20

BILLING ADJUSTMENT FORM

Billing Acct.#
- [ ] Generator . . . H
- [ ] HMMP. L
- [x] UST . . . . . T 51042

Date: 5/14/93

HazMat StID# : 2933

Caller : _____ Phone : _____

Company Name : Cal Trans

Site Address : 1112 29th Ave Oakland 94601 (City, Zip)

Requested Changes : Change # of tanks from 3 to 2

Initials: BC

[ ] Rescind Bill with explanation and date (if available):

- [ ] Generator _____
- [ ] HMMP (AB2185) _____
- [ ] UST _____

[X] Continue Billing With Following Changes:

	From :	To :
[ ] Change number of EMPLOYEES		
[X] Change number of TANKS	3	2

- [ ] HMMP (AB2185)
- [ ] Updated information

Business Name So. Oakland Station Cal Trans Phone: _____

SITE Address 1112 29th Ave. Oakland 94601 (City, Zip)

BILLING Address same _____ (City, Zip)

Inspector: B Chan Date: 5/14/93

[X] Sent to Billing on 5/17/93

Rev 4/91 Mac-BillAdj-2

ALL AMERICAN OIL
P. O. BOX 625
PLEASANTON, CA 94566
(415) 484-2470
EPA # CAD093448918

INVOICE

INVOICE NO.	№ 12030
DATE	8-23-89
ACCOUNT NO.	
YOUR P. O. NUMBER	1066-23
TERMS	
MANIFEST #	68273961
FOB	
SALESMAN	MANUEL

CAL TRANS
1112 29TH AVE
OAKLAND CA

QTY.	UNIT	WASTE OIL PICK-UP	UNIT PRICE		AMOUNT	
70	Gal	SERVICE CHARGE			25.	00
		THANK YOU				
		COMBUSTIBLE LIQUID NOS NA1270				

PLEASE PAY FROM THIS INVOICE

Transported to: Demenno-Kerdoon
2000 N. Alameda St. – Compton, CA 90222
or
Refinery Services
13331 N. Highway 33 – Patterson, CA 95363

X/B SMITH

SUB TOTAL		
TAX		
TOTAL	25	00

BARNEY CHAN 1-24-90

THIS WAS ALL THE WASTE
OIL WE HAD LAST YEAR

Jack Roberts

RECEIVED

JUL 17 1989

Dept. of Transportation
Special Assignment Crews

Waste Oil Recovery Systems, Inc.

INVOICE

6401 LEONA STREET
OAKLAND, CA 94605

(415) 533-0750
533-0751

5421

SOLD TO
Tech Engineers
P.O. Box 328
Napa, Calif. 94559

SHIPPED TO
(29th Ave.) Oakland
(CAL-TRANS)
(707) 258-2024

CUSTOMER'S ORDER	SALESMAN	TERMS	SHIPPED VIA	E.P.A.–CADOOO626515 D.O.H.S.–843	DATE
Gene Beer	Jess	Net 30	—		2/6/89

DESTINATION	☐ PETRO RECYCLING 213 595-7431	☐ REFINERIES SERVICE 800 874-4444	☐ DEMENNO-KERDOON 213 537-7100

	Waste Oil Service On		
	200 Gallons		
	S.O.W.S. Manifest # 87601190		
		PAST DUE	
		PLEASE REMIT	
	BILLED JUL 14 1989 Total Due	$	51.00
	X NB Smith		

90 JAN 27 PM 4:55

Fax Transmittal Sheet

STATE OF CALIFORNIA - ENVIRONMENTAL PROTECTION AGENCY

Department of Toxic Substances Control, Berkeley Office

State Compliance Division

700 Heinz Avenue, Bldg F, Suite 200, Berkeley, CA 94710

Date: 8/28/06 Number of Pages Including cover 11

Please Deliver to: Mr. Hernan Gomez **From: Asha Arora** AA

Phone No.: (510) 238-7253 Phone No.: (510) 540-3874

Fax No.: (510) 238-7761 Fax No.: (510) 540-3891

___ Urgent ___ Per your request

___ Confidential ___ General information

X For your records ___ Please review and make comments

Denial letter for Cal Trans three (3) extension requests. AA

Department of Toxic Substances Control

Linda S. Adams
Secretary for
Environmental Protection

Maureen F. Gorsen, Director
700 Heinz Avenue
Berkeley, California 94710-2721

Arnold Schwarzenegger
Governor

August 28, 2006

Mr. Neil Lundgren
Hazardous Materials Manager
CalTrans
P.O. Box 23660
Oakland, California 94623-0660
Facsimile: (510) 286-5794

Dear Mr. Lundgren:

NOTICE OF DENIALOF THREE (3), 30-DAY ACCUMULATION EXTENSION REQUESTS FROM CAL TRANS, located in OAKLAND, ALAMEDA COUNTY

On July 31, 2006, the Department of Toxic Substances Control (DTSC) received the following three (3) 30-day extension requests to the 90 day accumulation for RCRA waste located at:

1. Cal Trans, 2nd of Burma Road, Oakland, CA 94608, EPA ID # CAR 000 050 716. The extension is for one (1) 55-gallon container of hazardous waste containing lead paint chips, RCRA waste code D008. The waste container is closed, labeled, and stored in a secondary containment area of the Hazmat storage building with locked doors and signs posted. The initial date of accumulation is May 29, 2006 and 90-day accumulation limit is on August 27, 2006.

2. Cal Trans, 1112 29th Street, Oakland, CA 94601, EPA ID# CAD 982 028 722. The extension is for waste stored in a roadside sump. The sump size is 20' X 12 ' X 1.5 miles (length of the Webster tube) and contains benzene and lead wastes, RCRA waste codes D018 and D008. The waste is stored in a sump, which they pump out twice a year. The initial date of accumulation is November 11, 2005 and 90-day accumulation limit expired on February 11, 2006.

On August 2 and 28, 2006, DTSC requested additional information to determine if this sump qualifies as an underground tank.

This request is denied since the waste has been stored in the sump for over 90-days. If RCRA waste must remain onsite for longer than 90 days due to unforeseeable,

temporary, and uncontrolled circumstances, an extension of up to 30 days may be granted at DTSC's discretion on a case-by-case basis per California Code of Regulations, Title 22, section 66262.34 (c).

3. Cal Trans, 415 Harrison Street, Oakland, CA 94607, EPA ID# CAD 982 029 324. The extension is for: One (1) 55-gallon container of hazardous waste containing lead paint chips, RCRA waste code D008 and three (3), 55-gallon containers of hazardous waste containing lead and thermoplastic grindings with RCRA waste codes D008 and D007. The waste containers are closed, labeled, and are stored on pallets in a bermed area inside the building. The initial date of accumulation is May 29, 2006 and the 90-day accumulation time limit is on August 27, 2006.

The reason for the extensions is that Cal Trans applied for a hazmat contract from their HQ in Sacramento May 2006 and is awaiting approval.

DTSC requested additional information, such as hazmat contract and correspondences to show when CalTrans applied for a hazmat contract on August 2 and 28, 2006.

These three (3) extension requests are being denied since Cal Trans has not submitted the requested documentation to DTSC to process their extension requests.

If you have additional questions or need further assistance in this matter, I may be reached at (510) 540-3874.

Sincerely,

Asha Arora

Asha Arora

Enclosure

cc: Mr. Hernan Gomez
Acting Supervisor
Hazardous Materials Program
1605 Martin Luther King Jr Way
Oakland, California 94612

cc: Ms. Charlene Williams, Chief
Department of Toxic Substances Control
State Compliance Division
700 Heinz Avenue, Bldg F, Suite 210
Berkeley, California 94710-2721

Ms. Maria Soria, Section Chief
Department of Toxic Substances Control
State Oversight and Enforcement Branch
State Compliance Division
700 Heinz Avenue, Bldg F, Suite 210
Berkeley, California 94710-2721

CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY

DEPARTMENT OF TOXIC SUBSTANCES CONTROL

HAZARDOUS WASTE STORAGE EXTENSION APPLICATION

DEPARTMENT OF TOXIC SUBSTANCES CONTROL
STATEWIDE COMPLIANCE BRANCH
BERKELEY
908
JUL 31 2006
STATE OF CALIFORNIA EPA
RECEIVED

FOR OFFICE USE ONLY

APPLICATION #: E-251

☐ APPROVED EXP. DATE

☒ DENIED (COMMENTS ON FOLLOWING PAGE)

PREPARED BY: [illegible] DATE: 8/28/06

Please type the following information

Generator Name		EPA ID #	
Caltrans		CAR 000050716	
Site Address	**City**	**State**	**Zip Code**
2nd of Burma Road	Oakland	CA	94608
Mailing Address	**City**	**State**	**Zip Code**
P.O. Box 23660	Oakland	CA	94623-0660
Name of Applicant	**Title**	**Telephone Number**	
Neil Lundgren	Hazmat Mgr.	(510) 286-4492	
Signature of Applicant		**Date**	
[signature]		7/19/06	

A. DESCRIPTION OF WASTE:

(Note: A separate application must be used for wastes with different accumulation start dates)

	Waste Component (s)	Waste Code	Concentration	(Gal/Drum)
1.	LEAD PAINT CHIPS	D008	100% SOLID	1-55
2.				
3.				
4.				

B. DESCRIPTION OF STORAGE:

☒ Drums Type: 55 GAL STEEL DRUM

☐ Tank Type:

☐ Bins Type:

☐ Others (specify) Type:

CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY DEPARTMENT OF TOXIC SUBSTANCES CONTROL

HAZARDOUS WASTE STORAGE EXTENSION APPLICATION

C. **BRIEF DESCRIPTION OF STORAGE AREA:**
(i.e., containment system, berms, warning signs, etc.):

HAZMAT STORAGE BUILDINGS
SECONDARY CONTAINMENT
VENTILATED BUILDINGS
DOORS ARE LOCKABLE
WARNING SIGNS ON DOORS
HORN INSIDE (HANDHELD

D. **ACCUMULATION START DATE:** 05/29/06

E. **DATE OF 90-DAY STORAGE LIMIT:** 08/27/06

F. **NUMBER OF ADDITIONAL DAYS REQUESTED:** 30
(30-DAY MAXIMUM)

G. **REASON FOR STORAGE EXTENSION:**
I have applied for a HAZMAT milkrun contract in Sacramento HQ. awaiting Approval.

If you have any questions or concerns regarding the HAZARDOUS WASTE STORAGE EXTENSION APPLICATION contact Ms. Asha Arora at (510) 540-3874. The signed APPLICATION should be sent to the following address:

Department of Toxic Substances Control
Statewide Compliance Division
State Oversight and Enforcement Branch
700 Heinz Avenue, Suite 210
Berkeley, California 94710 – 2721
Attention: Ms. Asha Arora

FOR OFFICE USE ONLY

Reason for Denial:

☐ Does not meet California Code of Regulations, title 22, section 66262.34 (c)

☐ Other (Specify)

CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY DEPARTMENT OF TOXIC SUBSTANCES CONTROL

HAZARDOUS WASTE STORAGE EXTENSION APPLICATION

DEPARTMENT OF TOXIC SUBSTANCES CONTROL STATEWIDE COMPLIANCE BRANCH BERKELEY JUL 31 2006 STATE OF CALIFORNIA EPA RECEIVED

FOR OFFICE USE ONLY

APPLICATION #: E-252

☐ APPROVED EXP. DATE

☒ DENIED (COMMENTS ON FOLLOWING PAGE)

[signature] 8/28/06

PREPARED BY DATE:

Please type the following information

Generator Name		EPA ID #	
CAltrans		CAD 982028722	
Site Address	**City**	**State**	**Zip Code**
415 Harrison st	Oakland	CA	94607
Mailing Address	**City**	**State**	**Zip Code**
P.O. Box 23660	Oakland	CA	94623-0660
Name of Applicant	**Title**	**Telephone Number**	
Neil Lundgren	Hazmat Mgr.	(510) 286-4492	
Signature of Applicant		**Date**	
[signature]		7/19/06	

A. DESCRIPTION OF WASTE:

(Note: A separate application must be used for wastes with different accumulation start dates)

	Waste Component (s)	Waste Code	Concentration	(Gal/Drum)
1.	BENZENE, LEAD	D018, D008	SLUDE - 98%	SUMP
2.			BENZENE 0-1%	
3.			LEAD 0-1%	
4.				

B. DESCRIPTION OF STORAGE:

☐ Drums Type:

☐ Tank Type:

☒ Bins Type: ~~ROLL OFF~~

☒ Others (specify) Type: ROADWAY SUMP

CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY DEPARTMENT OF TOXIC SUBSTANCES CONTROL

HAZARDOUS WASTE STORAGE EXTENSION APPLICATION

C. **BRIEF DESCRIPTION OF STORAGE AREA:**
(i.e., containment system, berms, warning signs, etc.):

ROADWAY SUMP LOCATED INSIDE POSEY WEBSTER TUBE

D. **ACCUMULATION START DATE:** 11/20/05

E. **DATE OF 90-DAY STORAGE LIMIT:** 02/11/06

F. **NUMBER OF ADDITIONAL DAYS REQUESTED:** 30
(30-DAY MAXIMUM)

G. **REASON FOR STORAGE EXTENSION:**

I have applied for a Hazmat milkrun contract in Sacramento HQ. Awaiting Approval.

If you have any questions or concerns regarding the HAZARDOUS WASTE STORAGE EXTENSION APPLICATION contact Ms. Asha Arora at (510) 540-3874. The signed APPLICATION should be sent to the following address:

Department of Toxic Substances Control
Statewide Compliance Division
State Oversight and Enforcement Branch
700 Heinz Avenue, Suite 210
Berkeley, California 94710 – 2721
Attention: Ms. Asha Arora

FOR OFFICE USE ONLY

Reason for Denial:

☐ Does not meet California Code of Regulations, title 22, section 66262.34 (c)

☐ Other (Specify)

CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY

DEPARTMENT OF TOXIC SUBSTANCES CONTROL

HAZARDOUS WASTE STORAGE EXTENSION APPLICATION

DEPARTMENT OF TOXIC SUBSTANCES CONTROL STATEWIDE COMPLIANCE BRANCH BERKELEY JUL 31 2006 STATE OF CALIFORNIA EPA RECEIVED

FOR OFFICE USE ONLY

APPLICATION #: E-253

☐ APPROVED EXP. DATE

☒ DENIED (COMMENTS ON FOLLOWING PAGE)

PREPARED BY DATE: 8/28/06

Please type the following information

Generator Name		EPA ID #
CAltran		CAD 982029324

Site Address	City	State	Zip Code
1112 29th Ave	Oakland	CA	94601

Mailing Address	City	State	Zip Code
P.O. Box 23660	Oakland	CA	94623-0660

Name of Applicant	Title	Telephone Number
Neil Lundgren	Haz Mat Mgr.	(510) 286-4492

Signature of Applicant	Date
	7/19/06

A. DESCRIPTION OF WASTE:

(Note: A separate application must be used for wastes with different accumulation start dates)

	Waste Component (s)	Waste Code	Concentration	(Gal/Drum)
1.	SLUMP SLUDGE	D018, D008	LEAD 0-1% BENZENE 0-1% SLUDGE 98-100%	1-55 GAL
2.	LEAD, THERMOPLASTIC GRINDING	D008, D007	PLASTIC 98-100% CHROMIUM .01-1% LEAD .01-1%	3-55 GAL
3.				
4.				

B. DESCRIPTION OF STORAGE:

☒ Drums Type: 55 GAL STEEL DRUM

☐ Tank Type:

☐ Bins Type:

☐ Others (specify) Type:

CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY DEPARTMENT OF TOXIC SUBSTANCES CONTROL

HAZARDOUS WASTE STORAGE EXTENSION APPLICATION

C. **BRIEF DESCRIPTION OF STORAGE AREA:**
(i.e., containment system, berms, warning signs, etc.):

GRATED SUMP
HAZMAT STORAGE BUILDING
55 GAL DRUMS ON PALLETS IN BUILDING
BERM SURROUNDING PALLETS

D. **ACCUMULATION START DATE:** 05/29/06

E. **DATE OF 90-DAY STORAGE LIMIT:** 08/27/06

F. **NUMBER OF ADDITIONAL DAYS REQUESTED:** 30
(30-DAY MAXIMUM)

G. **REASON FOR STORAGE EXTENSION:**
I have applied for a Hazmat milkrun contract in Sacramento HQ. Awaiting Approval.

If you have any questions or concerns regarding the HAZARDOUS WASTE STORAGE EXTENSION APPLICATION contact Ms. Asha Arora at (510) 540-3874. The signed APPLICATION should be sent to the following address:

Department of Toxic Substances Control
Statewide Compliance Division
State Oversight and Enforcement Branch
700 Heinz Avenue, Suite 210
Berkeley, California 94710 – 2721
Attention: Ms. Asha Arora

FOR OFFICE USE ONLY

Reason for Denial:

☐ Does not meet California Code of Regulations, title 22, section 66262.34 (c)

☐ Other (Specify)

CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY

DEPARTMENT OF TOXIC SUBSTANCES CONTROL

HAZARDOUS WASTE STORAGE EXTENSION APPLICATION

DEPARTMENT OF TOXIC SUBSTANCES CONTROL
STATEWIDE COMPLIANCE BRANCH
BERKELEY
908
JUL 31 2006
STATE OF CALIFORNIA EPA
RECEIVED

FOR OFFICE USE ONLY

APPLICATION #: E-251

☐ APPROVED EXP. DATE

☒ DENIED (COMMENTS ON FOLLOWING PAGE)

PREPARED BY: [illegible] DATE: 8/28/06

Please type the following information

Generator Name		EPA ID #	
Caltrans		CAR 000050716	
Site Address	**City**	**State**	**Zip Code**
2nd of Burma Road	Oakland	CA	94608
Mailing Address	**City**	**State**	**Zip Code**
P.O. Box 23660	Oakland	CA	94623-0660
Name of Applicant	**Title**	**Telephone Number**	
Neil Lundgren	Hazmat Mgr.	(510) 286-4492	
Signature of Applicant		**Date**	
[signature]		7/19/06	

A. DESCRIPTION OF WASTE:

(Note: A separate application must be used for wastes with different accumulation start dates)

	Waste Component (s)	Waste Code	Concentration	(Gal/Drum)
1.	LEAD PAINT CHIPS	D008	100% SOLID	1-55
2.				
3.				
4.				

B. DESCRIPTION OF STORAGE:

☒ Drums Type: 55 GAL STEEL DRUM

☐ Tank Type:

☐ Bins Type:

☐ Others (specify) Type:

CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY DEPARTMENT OF TOXIC SUBSTANCES CONTROL

HAZARDOUS WASTE STORAGE EXTENSION APPLICATION

C. **BRIEF DESCRIPTION OF STORAGE AREA:**
(i.e., containment system, berms, warning signs, etc.):

HAZMAT STORAGE BUILDINGS
SECONDARY CONTAINMENT
VENTILATED BUILDINGS
DOORS ARE LOCKABLE
WARNING SIGNS ON DOORS
HORN INSIDE (HANDHELD

D. **ACCUMULATION START DATE:** 05/29/06

E. **DATE OF 90-DAY STORAGE LIMIT:** 08/27/06

F. **NUMBER OF ADDITIONAL DAYS REQUESTED:** 30
(30-DAY MAXIMUM)

G. **REASON FOR STORAGE EXTENSION:**
I have applied for a HAZMAT milkrun contract in Sacramento HQ. awaiting Approval.

If you have any questions or concerns regarding the HAZARDOUS WASTE STORAGE EXTENSION APPLICATION contact Ms. Asha Arora at (510) 540-3874. The signed APPLICATION should be sent to the following address:

Department of Toxic Substances Control
Statewide Compliance Division
State Oversight and Enforcement Branch
700 Heinz Avenue, Suite 210
Berkeley, California 94710 – 2721
Attention: Ms. Asha Arora

FOR OFFICE USE ONLY

Reason for Denial:

☐ Does not meet California Code of Regulations, title 22, section 66262.34 (c)

☐ Other (Specify)

CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY DEPARTMENT OF TOXIC SUBSTANCES CONTROL

HAZARDOUS WASTE STORAGE EXTENSION APPLICATION

DEPARTMENT OF TOXIC SUBSTANCES CONTROL STATEWIDE COMPLIANCE BRANCH BERKELEY JUL 31 2006 STATE OF CALIFORNIA EPA RECEIVED

FOR OFFICE USE ONLY

APPLICATION #: E-252

☐ APPROVED EXP. DATE

☒ DENIED (COMMENTS ON FOLLOWING PAGE)

[signature] 8/28/06

PREPARED BY DATE:

Please type the following information

Generator Name		EPA ID #	
CAltrans		CAD 982028722	
Site Address	**City**	**State**	**Zip Code**
415 Harrison st	Oakland	CA	94607
Mailing Address	**City**	**State**	**Zip Code**
P.O. Box 23660	Oakland	CA	94623-0660
Name of Applicant	**Title**	**Telephone Number**	
Neil Lundgren	Hazmat Mgr.	(510) 286-4492	
Signature of Applicant		**Date**	
[signature]		7/19/06	

A. DESCRIPTION OF WASTE:

(Note: A separate application must be used for wastes with different accumulation start dates)

	Waste Component (s)	Waste Code	Concentration	(Gal/Drum)
1.	BENZENE, LEAD	D018, D008	SLUDE - 98%	SUMP
2.			BENZENE 0-1%	
3.			LEAD 0-1%	
4.				

B. DESCRIPTION OF STORAGE:

☐ Drums Type:

☐ Tank Type:

☒ Bins Type: ~~ROLL OFF~~

☒ Others (specify) Type: ROADWAY SUMP

CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY DEPARTMENT OF TOXIC SUBSTANCES CONTROL

HAZARDOUS WASTE STORAGE EXTENSION APPLICATION

C. **BRIEF DESCRIPTION OF STORAGE AREA:**
(i.e., containment system, berms, warning signs, etc.):

ROADWAY SUMP LOCATED INSIDE POSEY WEBSTER TUBE

D. **ACCUMULATION START DATE:** 11/20/05

E. **DATE OF 90-DAY STORAGE LIMIT:** 02/11/06

F. **NUMBER OF ADDITIONAL DAYS REQUESTED:** 30
(30-DAY MAXIMUM)

G. **REASON FOR STORAGE EXTENSION:**

I have applied for a Hazmat milkrun contract in Sacramento HQ. Awaiting Approval.

If you have any questions or concerns regarding the HAZARDOUS WASTE STORAGE EXTENSION APPLICATION contact Ms. Asha Arora at (510) 540-3874. The signed APPLICATION should be sent to the following address:

Department of Toxic Substances Control
Statewide Compliance Division
State Oversight and Enforcement Branch
700 Heinz Avenue, Suite 210
Berkeley, California 94710 – 2721
Attention: Ms. Asha Arora

FOR OFFICE USE ONLY

Reason for Denial:

☐ Does not meet California Code of Regulations, title 22, section 66262.34 (c)

☐ Other (Specify)

CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY

DEPARTMENT OF TOXIC SUBSTANCES CONTROL

HAZARDOUS WASTE STORAGE EXTENSION APPLICATION

DEPARTMENT OF TOXIC SUBSTANCES CONTROL STATEWIDE COMPLIANCE BRANCH BERKELEY JUL 31 2006 STATE OF CALIFORNIA EPA RECEIVED

FOR OFFICE USE ONLY

APPLICATION #: E-253

☐ APPROVED EXP. DATE

☒ DENIED (COMMENTS ON FOLLOWING PAGE)

PREPARED BY DATE: 8/28/06

Please type the following information

Generator Name		EPA ID #
CAltran		CAD 982029324

Site Address	City	State	Zip Code
1112 29th Ave	Oakland	CA	94601

Mailing Address	City	State	Zip Code
P.O. Box 23660	Oakland	CA	94623-0660

Name of Applicant	Title	Telephone Number
Neil Lundgren	Haz Mat Mgr.	(510) 286-4492

Signature of Applicant	Date
	7/19/06

A. DESCRIPTION OF WASTE:

(Note: A separate application must be used for wastes with different accumulation start dates)

	Waste Component (s)	Waste Code	Concentration	(Gal/Drum)
1.	SLUMP SLUDGE	D018, D008	LEAD 0-1% BENZENE 0-1% SLUDGE 98-100%	1-55 GAL
2.	LEAD, THERMOPLASTIC GRINDING	D008, D007	PLASTIC 98-100% CHROMIUM .01-1% LEAD .01-1%	3-55 GAL
3.				
4.				

B. DESCRIPTION OF STORAGE:

☒ Drums Type: 55 GAL STEEL DRUM

☐ Tank Type:

☐ Bins Type:

☐ Others (specify) Type:

CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY DEPARTMENT OF TOXIC SUBSTANCES CONTROL

HAZARDOUS WASTE STORAGE EXTENSION APPLICATION

C. **BRIEF DESCRIPTION OF STORAGE AREA:**
(i.e., containment system, berms, warning signs, etc.):

GRATED SUMP
HAZMAT STORAGE BUILDING
55 GAL DRUMS ON PALLETS IN BUILDING
BERM SURROUNDING PALLETS

D. **ACCUMULATION START DATE:** 05/29/06

E. **DATE OF 90-DAY STORAGE LIMIT:** 08/27/06

F. **NUMBER OF ADDITIONAL DAYS REQUESTED:** 30
(30-DAY MAXIMUM)

G. **REASON FOR STORAGE EXTENSION:**
I have applied for a Hazmat milkrun contract in Sacramento HQ. Awaiting Approval.

If you have any questions or concerns regarding the HAZARDOUS WASTE STORAGE EXTENSION APPLICATION contact Ms. Asha Arora at (510) 540-3874. The signed APPLICATION should be sent to the following address:

Department of Toxic Substances Control
Statewide Compliance Division
State Oversight and Enforcement Branch
700 Heinz Avenue, Suite 210
Berkeley, California 94710 – 2721
Attention: Ms. Asha Arora

FOR OFFICE USE ONLY

Reason for Denial:

☐ Does not meet California Code of Regulations, title 22, section 66262.34 (c)

☐ Other (Specify)

Appendix J

Geosyntec Consultants, Inc.

***Corrective Action Plan*, March 2021**

Geosyntec consultants

924 Anacapa Street, Suite 4A
Santa Barbara, California 93101
PH 805.897.3800
FAX 805.899-8689
www.geosyntec.com

March 12, 2021

Jonathan Sanders
Alameda County Health Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502

Subject: **Corrective Action Plan**
Site Cleanup Program Case No. RO0003432
GeoTracker Global ID T10000014503
Education for Change Latitude High School
1045 Derby Avenue, Oakland, California 94601

Dear Mr. Sanders:

This letter transmits the subject plan that was prepared under our responsible charge. Authorization to submit this report was given by Larissa Adam with Education for Change Public Schools (EFCPS) and is attached.

Sincerely,

Robert Ettinger
Senior Principal

Kevin Coffman, P.G.
Senior Geologist

Attachment:
EFCPS Authorization Letter

Copy:
Hae-Sin Thomas – Education for Change
Markus Niebanck – Amicus
Dilan Roe – ACDEH
Paresh Khatri – ACDEH

Education *for* Change
Public Schools

Mr. Robert Ettinger
Senior Principal
Geosyntec Consultants, Inc.
924 Anacapa St. #4A
Santa Barbara, California 93101

Subject: **Corrective Action Plan**
Site Cleanup Program Case No. RO0003432
GeoTracker Global ID T10000014503
Education for Change Latitude High School
1045 Derby Avenue, Oakland, California 94601

Report Date: **March 12, 2021**

Dear Mr. Ettinger:

I have reviewed and approved the subject document. Please submit it to the Alameda County Health Care Services Agency, Department of Environmental Health. I have read and acknowledge the content, recommendations, and/or conclusions in the subject document submitted on my behalf. I declare, under penalty of perjury, that to the best of my knowledge, the information contained in the subject document is true and correct.

Sincerely,

Larissa Adam
Superintendent of Schools
Education for Change Public Schools

Date: 3/12/2021

Prepared for:

Education for Change Public Schools
333 Hegenberger Road, Suite 600
Oakland, California

CORRECTIVE ACTION PLAN

SITE CLEANUP PROGRAM CASE NO. RO0003432
GEOTRACKER GLOBAL ID T10000014503

LATITUDE HIGH SCHOOL
1045 DERBY AVENUE
OAKLAND, CALIFORNIA

Prepared by:

Geosyntec consultants

engineers | scientists | innovators

924 Anacapa Street, Suite 4A
Santa Barbara, CA 93101
Telephone: (805) 897-3800
www.geosyntec.com

Project Number: SB1027

March 12, 2021

CORRECTIVE ACTION PLAN

SITE CLEANUP PROGRAM CASE NO. RO0003432
GEOTRACKER GLOBAL ID T10000014503

LATITUDE HIGH SCHOOL
1045 DERBY AVENUE
OAKLAND, CALIFORNIA

Prepared for:

Education for Change Public Schools

Prepared by:

Geosyntec Consultants, Inc.

Robert Ettinger
Project Director

March 12, 2021
Date

Gib Fates, PG
Senior Consultant

March 12, 2021
Date

TABLE OF CONTENTS

1. INTRODUCTION 1
1.1 Purpose 1
1.2 Site Description, Ownership and Development Plan 1
1.3 Regulatory Oversight 2
1.4 Limitations and Exclusions 2
2. SITE CONDITIONS 3
2.1 Site History 3
2.1.1 Southern Parcel 3
2.1.2 Northern Parcel 3
2.3 Geology and Hydrogeology 4
2.3 Prior Site Investigations 4
2.4 Chemicals of Potential Concern and Contaminant Distribution 7
2.4.1 Soil 8
2.4.3 Soil Vapor 8
2.4.4 Sub-Slab Vapor 9
2.5 Biochemical and Geochemical Setting 9
2.6 Receptors and Exposure Pathways 9
2.6.1 Vapor Intrusion Evaluation 10
3. CORRECTIVE ACTION OBJECTIVES 14
3.1 Soil 14
3.2 Groundwater 14
3.3 Soil Vapor 14
3.4 Sub-Slab Vapor and Indoor Air 15
4. PROPOSED CORRECTIVE ACTIONS 16
4.1 Preliminary Activities 16
4.2 Remediation Measures 16
4.2.1 Soil Excavation Locations and Procedures 16
4.3 Engineering Controls 18
4.3.1 Operational Exposure Mitigation Controls 18
4.3.2 Construction Phase Mitigation Measures 20
4.4 Administrative Controls 21
4.4.1 Soil and Groundwater Management Plan 21
4.4.2 Risk Management Plan 21
4.5 Institutional Controls 22
5. PERFORMANCE EVALUATION 23

5.1 Construction Phase Air Monitoring 23
5.2 Operational Phase Monitoring and Maintenance 23
5.2.1 Monitoring 23
5.2.2 Maintenance 25
6. PUBLIC NOTIFICATION 26
7. REPORTING 27
8. PRELIMINARY SCHEDULE 29
9. REFERENCES 30

LIST OF FIGURES

Figure 1: Site Location Map

Figure 2: Current Site Layout

Figure 3 Site Historical Features

Figure 4: Former Sample Locations

Figure 5: Planned Development

Figure 6 Proposed Mitigation Measures

Figure 7 Preliminary Corrective Action Implementation Schedule

LIST OF TABLES

Table 1: Prior Site Investigations

Table 2a: 2020 Data Gaps Assessment Soil Sampling Data - Detected TPH, Pesticides, and VOCs

Table 2b: 2020 Data Gaps Assessment Soil Sampling Data - Phenols/Cresols and PCBs

Table 2c: 2020 Data Gaps Assessment Soil Sampling Data - Detected Metals

Table 3a: Historical Soil Sampling Data – Southern Parcel

Table 3b: Historical Soil Sampling Data – Northern Parcel

Table 4: 2020 Data Gaps Assessment Soil Vapor Sampling Data – Detected VOCs

Table 5: Historical Soil Vapor Sampling Data – Northern Parcel

Table 6: Historical Sub-Slab Vapor Sampling Data – Southern Parcel

Table 7: Historical Outdoor Air Sampling Data

Table 8: Historical Indoor Air Sampling Data

Table 9a: 2020 Data Gaps Assessment Groundwater Sampling Data – Detected TPH and VOCs

Table 9b: 2020 Data Gaps Assessment Groundwater Sampling Data – Detected Metals

Table 10: Historical Groundwater Sampling Data

Table 11: Summary of Proposed Mitigation Measures

LIST OF APPENDICES

Appendix A: Site Development Plans

Appendix B: Vapor Intrusion Assessment Screening Risk Calculations

1. INTRODUCTION

This Corrective Action Plan (CAP or Plan) has been prepared by Geosyntec Consultants (Geosyntec) on behalf of Education for Change Public Schools (EFC) for the Latitude High School located at 1045 Derby Avenue in Oakland, California (Site).

1.1 Purpose

This CAP was prepared for EFC in consideration of the findings of previously completed investigations at the Site. The purpose of the Plan is to describe the proposed approaches to remediate or control potential unacceptable risk to human health due to exposure to residual levels of chemicals of potential concern (COPCs) detected in soil, groundwater, soil vapor, and sub-slab vapors at the Site.

1.2 Site Description, Ownership and Development Plan

The Site is bounded by Derby Avenue to the southeast, 29th Street to the northwest, Union Pacific rail lines to the south, and vacant land and commercial properties to the north (**Figure 1**).

EFC is pursuing permits and approvals to improve the facilities occupied by the Epic Middle School for repurposing as a charter high school (Latitude) on the Site, which is comprised of two adjacent properties: (i) the former Caltrans maintenance station property (Southern Parcel) with an address of 1112 29th Avenue[1] (APN 25-693-7-2); and (ii) the property with historical railroad lines (Northern Parcel) with an address of "0" 29th Avenue (APN 25-693-8).

EFC currently leases the Southern Parcel from the California Department of Transportation (Caltrans), which used the property from 1921 through 2010 as a maintenance station. EFC intends to acquire this Parcel from Caltrans in May 2021. EFC currently owns the mostly vacant Northern parcel. EFC plans to use the existing buildings present on the Southern Parcel for classrooms, administrative and support offices, and storage. The Northern Parcel will be improved and used primarily for recreational purposes (hardscape sports courts). In the future, EFC plans to construct a new multi-purpose building on the northwestern end of the Site[2]. Further details regarding the proposed development for the Site are provided in **Appendix A**.

---

[1] This property has been referenced as 1112 29th Avenue and 1045 Derby Avenue in previous reports.

[2] The schedule for this phase of construction is currently estimated to be 1 to 2 years in the future; however, actual timing is dependent on the time required to raise funds for this phase of the development.

The current Site layout is shown on **Figure 2** and the buildings currently present at the Site are described as follows:

Building ID	Use	Construction
Building A-1	Classrooms/Offices	Slab On-grade
Building A-2	Servery & Restrooms	Slab On-grade
Building A-3	Classrooms/Offices	Slab On-grade
Building A-4	Classroom	Raised Floor
Building A-5	Offices	Raised Floor
Building B	Servery/Offices	Slab On-grade

1.3 Regulatory Oversight

The Alameda County Department of Environmental Health (ACDEH) is the lead environmental regulatory authority overseeing Site investigation and redevelopment activities for the Latitude High School under Voluntary Remediation Action Agreement Number RO0003432-2020-04-29. The nature and results of prior environmental investigations for the former Caltrans maintenance station property (the Southern Parcel) and the former railroad property (the Northern Parcel) are briefly summarized in the following sections of this Plan and further detailed in the referenced documents.

1.4 Limitations and Exclusions

This CAP represents a planning document that provides a general description of the corrective actions proposed to remediate and/or mitigate COPCs detected in on-Site soil, groundwater, and sub-slab vapor. Detailed engineering design and implementation procedures for the proposed corrective actions will be presented in future submittals, as identified in Section 7.

Additional data to further assess soil vapor conditions on the Northern Parcel and southeast corner of the Southern Parcel will be collected before implementation of the CAP. Contingency measures for these areas are included in the CAP, but may not need to be implemented pending review of the results with ACDEH.

2. SITE CONDITIONS

The following sections summarize the current Site setting and Site history, area geologic and hydrogeologic conditions, and previously competed Site investigations. Also discussed are the nature and distribution of COPCs detected during prior investigations at the Site.

2.1 Site History

History of the southern parcel was detailed in Geosyntec's November 25, 2020 *Data Gaps Investigation Work Plan* (Geosyntec work plan, Geosyntec 2020), and history of the northern parcel is briefly described in the April 10, 2020 *Data Gap Investigation Work Plan*, prepared by Apex Companies, LLC (Apex work plan, Apex 2020). A brief summary history of each parcel is provided below. The reader is directed to the above-referenced documents for more detailed Site history descriptions. Pertinent historical Site features are depicted in **Figure 3**.

2.1.1 Southern Parcel

The Southern Parcel is currently the location of the EFC Latitude High School campus. The approximately northern half this parcel has been improved with buildings, with the approximately southern half being open paved areas.

As described in the Geosyntec work plan, the earliest signs of development on the Southern Parcel date back to 1939. A review of available historical records indicated development of the southern parcel to have been accretive, with no evidence of significant demolition or rebuilding activities throughout its historical use as a Caltrans maintenance station. This former facility encompassed several buildings and storage areas, variably used for office areas, and to house equipment and supplies, and to perform vehicle maintenance.

Findings of a Site history review presented in the Geosyntec work plan revealed several historical features which may have impacted the condition of soil, soil vapor, and groundwater at the Southern Parcel. These features included former fuel underground storage tanks (USTs), hazardous material and waste storage areas, a grease sump, roadside sump, transformers, treated wood storage, and refueling stations. These historical features were evaluated as part of investigations recently completed and presented in Geosyntec's *Data Gaps Investigation Report* (Geosyntec 2021).

2.1.2 Northern Parcel

The Northern Parcel of the Site is currently vacant except for the southeastern approximately one-third portion, which is currently paved and used as a parking lot for

the existing school, and the eastern corner, which is paved with concrete. The Northern Parcel has been in its current state since 2002. EFC plans to incorporate the Northern Parcel into the existing school property as part of the current development plan. As described in the Apex work plan, future use of the Northern Parcel will be non-structural surface uses, primarily consisting of paved, open recreational space. Based on information obtained in a Phase I Environmental Site Assessment (ESA) prepared by ERAS Environmental, Inc. (ERAS), dated August 2019, the Northern Parcel was first developed from as early as 1897 with two railroad lines (ERAS, 2019). The railroad lines were reported to have been removed sometime between1987 and 1993.

2.3 Geology and Hydrogeology

Observed soil lithologies encountered during recently competed subsurface investigations at the Site indicate underlying soils to generally consist of fine-grained silts and clays with interbedded zones of coarser (sandy) material (Geosyntec, 2021a). Based on findings from the December 2020 environmental investigation, the depth to groundwater at the Site was determined to be between approximately eight to nine feet below ground surface (ft bgs) and flows toward the west-southwest.

2.3 Prior Site Investigations

Numerous prior investigations have been completed at the Site, dating to date back to 1993 and extending into February 2021. The nature of these prior investigations is summarized in **Table 1,** prior sampling locations are shown in **Figure 4**, and summary analytical results are presented in **Tables 2 through 10**. Findings of these prior investigations are summarized below.

1993 through 2006

In 1993, a 1,000-gallon solvent UST and associated product lines historically located in the southeastern portion of the Site were removed under ACDEH oversight, at which time confirmation sampling identified residual total petroleum hydrocarbons as gasoline (TPHg), TPH diesel (TPHd), and xylenes concentrations in soil well below the San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) environmental screening levels (ESLs) for residential land use. The removal pit was reportedly backfilled with the excavated material and pea gravel, and the tank was disposed of off Site. In 1997, one 4,000-gallon UST and one 2,000-gallon UST, as well as associated piping and fuel dispensers and petroleum impacted soil, were removed from the central portion of the Southern Parcel (AE Schmidt Environmental, 1997). Residual TPH and volatile organic compound (VOC) impacts included benzene (1,650 micrograms per kilogram [µg/kg]) and ethylbenzene (8,040 µg/kg), above the residential ESLs, but below the commercial ESLs.

In 1999, further assessment was performed to characterize the extent of impacts to soil and investigate the potential for groundwater impacts (Professional Services Industries (PSI), 1999a, 1999b). The soil results identified TPHg at two locations up to 13 µg/kg (B6, B9), methyl-tert-butyl ether (MTBE) at three locations up to 160 µg/kg (B5, B7, B8), and tetrachloroethene (PCE) at two locations at a concentration of 1 µg/kg (B8, B9) in the vicinity of the former vehicle wash area; reported concentrations were below SFBRWQCB residential ESLs. Groundwater grab samples were collected from the boring locations and analyzed for TPHg, TPHd, and VOCs. The results identified low-level TPHg, TPHd, benzene, toluene, ethylbenzene and xylenes (BTEX), MTBE, and several other VOCs above the laboratory reporting limit but below SFBRWQCB direct exposure (tap water) ESLs and groundwater vapor intrusion ESLs, with the exception of benzene (6.30 µg per liter [µg/L] at location B3), ethylbenzene (up to 11 µg/L), MTBE (6,600 µg/L, 24 µg/L, and 5,600 µg/L at locations B5, B6, and B7, respectively) and PCE (12 µg/L at location B6).

In 2000, four permanent groundwater monitoring wells (**Figure 4**: MW-1, MW-2, MW-3 and MW-4) were installed in the vicinity of the former USTs to further investigate the results of the grab groundwater sampling and the impact of the previously removed USTs (PSI, 2000a). Monitoring performed between 2000 and 2005 variably identified MTBE (up to 7,520 µg/L), benzene (up to 220 µg/L), and TPHg (up to 5.2 µg/L) throughout this time, with the highest concentrations in hydraulically downgradient wells (PSI 2000b, 2001a, 2001b, 2002a, 2002b, 2002c, 2004; Geocon Consultants Inc. [Geocon], 2001b, 2005). In 2001, groundwater grab samples were collected from three borings advanced off Site and downgradient of the former UST area (**Figure 4**: B-10, B-11 and B-12) to delineate the lateral extent of TPHg and VOCs; however, concentrations were below laboratory reporting limits and/or SFBRWQCB ELSs for direct exposure and groundwater vapor intrusion (PSI 2001b). A request for low-risk case closure was submitted to the ACDEH in 2006 and closure accepted in 2011 for an ongoing industrial use only (Geocon, 2006).

2007 through 2017

In 2007 and 2017, soil and soil vapor investigations were performed in the Northern Parcel of the Site (Tec Accutite, Inc., 2007; ERAS Environmental, Inc., 2017). Results identified TPH, polycyclic aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs), and metals in soil up to 10 ft bgs above laboratory reporting limits, but below SFBRWQCB residential ESLs (**Table 3b**). VOCs were detected in soil vapor samples collected at the Site (**Table 5**), and concentrations of chloroform (up to 100 micrograms per cubic meter [$\mu g/m^3$]) and benzene (up to 31 $\mu g/m^3$) were above commercial ESLs at some locations.

2018 through Present Day

In July 2018, indoor and outdoor air sampling in the Southern Parcel was performed under the oversight of the ACDEH (Geocon, 2018). VOCs, including chloromethane, ethanol, 2-propanol, acetone, methylene chloride, 2-butanone, ethyl acetate, and toluene were identified in indoor air samples at concentrations similar to those detected in the outdoor air samples. However, reporting limits for some analytes were above current ESLs.

In July 2019, sub-slab vapor sampling was conducted under the oversight of the ACDEH to assess potential vapor intrusion risks to on-Site receptors (Geocon, 2019a). Benzene (5.6 µg/m^3), chloroform (5.3 µg/m^3), naphthalene (up to 36 µg/m^3), and PCE (250 µg/m^3) were identified above SFBRWQCB residential ESLs in sub-slab vapor. PCE also exceeded its commercial ESL of 67 µg/m^3 at one location (VP5), while naphthalene exceeded its commercial ESL of 23 µg/m^3 at four locations (VP1, VP4, VP5, VP9).

Regardless, as a precautionary measure, interim corrective actions were implemented in all existing buildings, including application of a Retro-Coat^{TM} Vapor Intrusion Coating System to seal the building floors; modifications to the heating, ventilation, and air conditioning (HVAC) systems; and installation of indoor air purification units. This work was completed on August 17, 2018 (Geosyntec, 2019a; 2019c).

Subsequent monitoring was performed to assess the effectiveness of these interim corrective measures and included collection of additional sub-slab vapor, indoor, and outdoor air from August 2019 through October 2019 (Geocon 2019b; 2019c; 2019d). These monitoring events identified sub-slab vapor concentrations of benzene (up to 5.6 µg/m^3), PCE (up to 480 µg/m^3), naphthalene (up to 17 µg/m^3), 1,4-dioxane (30 µg/m^3), and chloroform (5.3J µg/m^3) above their SFBRWQCB residential ESLs in sub-slab vapor. However, post-mitigation indoor air concentrations were either below ESLs for a residential land use, at background levels, or were not related to sub-surface contamination (i.e., similar to outdoor air levels or not detected in sub-slab samples).

In December 2020 through February 2021, a data gaps assessment was performed under the oversight of ACDEH to collect data needed to plan for and implement the Site's redevelopment, inclusive of construction activities (i.e., potential exposures to construction workers) and future use of the Site as a high school (i.e., potential exposures to school staff and students). The assessment included a comprehensive review of historical investigations and evaluation of historical Site documentation followed by the collection of soil, soil vapor, and groundwater samples targeting identified areas of concern in both the Southern and Northern Parcels (Geosyntec, 2020; Apex, 2020). Results of soil sampling identified antimony (up to 19 mg/kg), arsenic

(up to 450 mg/kg), cobalt (up to 25 mg/kg), lead (up to 470 mg/kg), and thallium (up to 1.2 mg/kg) in soil at the Site above respective background levels and/or SFBRWQCB residential ESLs of 11 mg/kg, 11 mg/kg, 23 mg/kg, 80 mg/kg, and 0.78 mg/kg, respectively. Lead also exceeded the construction worker SFBRWQCB ESL (160 mg/kg) at six locations, including one on the Southern Parcel. Chromium and nickel were identified above their residential and construction worker ESLs; however, a statistical background analysis indicated that concentrations for both of these metals were reflective of the background soil conditions (Geosyntec, 2021a).

The results of the soil vapor sampling for the data gaps assessment indicated low level VOCs were present in the Southern Parcel at concentrations marginally above the laboratory reporting limits (RLs). Benzene (up to 58 µg/m^3), PCE (up to 50 µg/m^3), and chloroform (up to 18 µg/m^3) were identified above their SFBRWQCB residential ESLs (3.2 µg/m^3, 15 µg/m^3, and 4.1 µg/m^3, respectively) and benzene was also above its SFBRWQCB commercial worker ESL (14 µg/m^3). In addition, a TPHg was detected in the vicinity of the former refueling area in the southeastern portion of the Site (3,800,000 µg/m^3) at a concentration well above the ESL (EC1).

Groundwater samples were collected from four groundwater monitoring wells installed for the data gaps assessment in the Southern Parcel, targeting locations where elevated VOC and MTBE concentrations were historically identified (EC MW1, EC MW2, EC MW3 and EC MW4). However, with the exception of chloroform (1.9 µg/L), which was above its SFBRWQCB direct exposure (tap water) ESL of 0.22 µg/L, but below the SFBRWQCB commercial vapor intrusion ESL of 3.6 µg/L, VOCs were not detected in groundwater. Dissolved and total metals were also variably detected in groundwater samples above the laboratory RLs, but generally below the SFBRWQCB direct exposure (tap water) ESLs, with the exception of dissolved and total arsenic, cobalt, lead, and nickel. However, groundwater at the Site and surroundings is not extracted for use as drinking water, is not proposed to be extracted for drinking water purposes as part of the Site's development, nor is it anticipated to be encountered during Site construction activities. TPHd (up to 160 µg/L) was detected in groundwater; however, concentrations were below the direct exposure and residential vapor intrusion ESLs (200 µg/L).

2.4 Chemicals of Potential Concern and Contaminant Distribution

COPCs were identified at the Site based on the findings of the historical investigations and the data gaps assessment and comparisons to ESLs. Because the property will be used as a high school (i.e., staff and students will not be present at the site 24 hours per day, 350 days per year), commercial ESLs are used for the COPC identification. Soil

analytical results were also compared to construction worker ESLs to assess potential risks during Site redevelopment. The following COPCs were identified for the Site:

- Lead and arsenic in shallow soil;
- VOCs including PCE, benzene, naphthalene, and chloroform in sub-slab vapor; and
- TPHg in soil vapor.

The locations of soil, soil vapor, sub-slab vapor, indoor and outdoor air, and groundwater samples collected at the Site to date are presented in **Figure 4**. Sample results are summarized in **Tables 2 through 10**. The nature and distribution of COPCs detected in these media are discussed in the following sections.

2.4.1 Soil

Elevated arsenic was detected in soil in the Northern Parcel within the 1 to 3 ft bgs interval at concentrations above both its construction worker ESL (0.98 mg/kg) and background level of 11 mg/kg. Concentrations are typically higher in the shallow soil than in underlying samples. Elevated lead (up to 470 mg/kg) has also been identified at 1 ft bgs in the Northern Parcel at concentrations exceeding its construction worker ESL (160 mg/kg); however, concentrations in underlying samples collected at 3 ft bgs were below the ESL, indicating the vertical extent of the lead impacts is limited. Elevated arsenic in shallow soil is distributed across the Northern Parcel, with slightly higher concentrations in the central and northern portions. The highest lead concentrations have been typically co-located with the highest arsenic concentrations. The nature and distribution of the soil impacts in the Northern Parcel is consistent with its historical use for rail tracks.

On the Southern Parcel, arsenic and lead concentrations have not been identified above their background level or ESLs respectively, with the exception of one location (EC2) where elevated lead (290 mg/kg) is present at 1 ft bgs above the construction worker ESL. The lead concentration in the underlying 2 ft bgs sample in this location was below the construction worker ESL, indicating that the vertical extent of lead impact in soil at this location is limited. However, the lateral extent of the impact has not been delineated at this time and a source of the lead at this location has not been identified.

2.4.3 Soil Vapor

Benzene (up to 58 $\mu g/m^3$) and chloroform (up to 100 $\mu g/m^3$) were detected in some soil vapor samples at the Site at concentrations slightly above commercial ESLs for the vapor intrusion pathway.

PCE (below the commercial ESL) was detected in soil vapor at three locations, EC-2 (in the asphalted area southwest of Building A-3), EC-3 (outside of the southeastern corner of Building A-1), and EC-9 (in the vicinity the former vehicle wash area, where PCE has previously been detected in soil and groundwater, see Section 2.4.4). TPHg was also detected at a concentration of 3,800,000 µg/m^3 at EC-1 during the most recent soil vapor monitoring event conducted at the Site (February 2021).

2.4.4 Sub-Slab Vapor

Naphthalene (up to 160 µg/m^3) and PCE (up to 250 µg/m^3) were detected in sub-slab soil vapor at concentrations above commercial ESLs for the vapor intrusion pathway. While elevated naphthalene is indicated to be generally present in sub-slab vapor underlying the footprint of Buildings A-1, A-2, and A-3, PCE impacts above screening levels are largely constrained to the southern portion of Building A-1.

2.5 Biochemical and Geochemical Setting

Based on a review of available soil vapor data, there appears to be some degree of methanogenesis occurring near location EC1; however, this location is removed from any existing structures. Otherwise, there seems to be no indication of significant methane generation occurring at the Site. Soil vapor oxygen concentrations are consistently elevated (e.g., >13%), except for location EC1, EC5, EC7, and EC10; however, low methane concentrations were reported in all these locations, with the exception of EC1.

As impacts to be addressed in the proposed corrective actions are limited to the vadose zone no geochemical evaluation of saturated zone soil or groundwater has been conducted.

2.6 Receptors and Exposure Pathways

The receptors associated with the Site include the following:

- Students (grades 9 – 12);
- Teachers and school staff; and
- On-Site construction workers.

Potential exposure pathways include the following:

- Indoor inhalation of sub-slab vapors (vapor intrusion pathway); and
- Direct exposure to soil (ingestion, dermal contact, inhalation of airborne dust and vapors).

During construction, potential exposure to metals may occur from inhalation of lead and arsenic in dust at the Site. Following the completion of construction and implementation of the proposed corrective actions, engineering controls will be in place to mitigate potential exposure to metals in shallow soil.

During construction, exposure to petroleum hydrocarbons and non-petroleum VOCs may occur from potential inhalation of these COPCs from soil vapor at the Site. However, following the completion of construction and implementation of the proposed corrective actions, there will be no complete pathways for exposure to COPCs in soil vapor.

Because sub-slab vapor data most directly reflect impacts from sources underlying existing structures that may present potential exposures to Site occupants via vapor intrusion, these data are considered more representative of potential vapor inhalation risks than are soil vapor data collected in areas away from existing structures. The potential need for mitigation measures in any new structures that may be built in areas of elevated soil vapor at the Site will be addressed in future designs, if undertaken. For these reasons, soil vapor is not considered a complete exposure pathway at the Site. Potential temporary construction worker exposure to soil and soil vapor during development activities will be managed and mitigated through engineering and administrative controls (see Section 4.3.2).

There is no potential receptor exposure to groundwater at the Site. With the exception of the installation of relatively shallow storm drain lines at the Site and shallow grading in the North Parcel to prepare the ground surface for installation of surface pavement, current development plans do not involve construction of any new structures that may require soil excavation to depths that would encounter groundwater. Moreover, shallow groundwater in this area is not being used as a source of drinking water, and detected COPC concentrations in groundwater do not exceed SFRWQCB ESLs for non-drinking water. Together, these factors serve to eliminate groundwater as a potential exposure pathway.

2.6.1 Vapor Intrusion Evaluation

A multiple-lines-of-evidence (MLE) assessment was conducted to evaluate the potential vapor intrusion risks for the buildings present at the Site. The following lines of evidence were considered:

- Empirical attenuation factors analysis of sub-slab and indoor air data collected prior to implementation of the interim corrective actions;

- Screening-level risk evaluation based on analytical results for indoor air samples collected prior to implementation of the interim corrective actions (i.e., Retro-Coat vapor barrier, modification of HVAC operation, installation of indoor air purifiers);
- Screening-level risk evaluation based on the five rounds of sub-slab soil vapor data collected at the site (from June 2019 through February 2021);
- Screening-level risk evaluation based on the sub-floor air sample collected beneath Building A-5 and using both the generic default attenuation factor (0.03) and the site-specific attenuation factor (0.007).

Methods and results of the MLE assessment are provided below, and details of the calculations are provided in **Appendix B**.

Paired sub-slab and indoor air data collected in July 2019 were used to calculate a site-specific empirical attenuation factor. The empirical attenuation factor is the ratio of the measured indoor air concentration and sub-slab concentration. Sample pairs with elevated sub-slab concentrations were used for the empirical attenuation factor analysis because attenuation factors are more biased by background sources for sample pairs with low sub-slab concentrations (USEPA, 2012; Ettinger et al., 2018). The naphthalene data collected during the 2019 investigation provided a consistent data set for the attenuation factor analysis. The pair data and empirical attenuation factors are summarized below:

Indoor		**Sub-slab**		**Attenuation Factor**
Location	**Concentration ($\mu g/m^3$)**	**Location**	**Concentration ($\mu g/m^3$)**	**(--)**
IA-6	0.21	VP-9	160	0.0013
IA-7	0.22	VP-19	4.6	0.048
IA-5	0.19	VP-8	6.9	0.027
IA-4	0.20	VP-7	21	0.0095
IA-3	0.20	VP-6	24	0.0083
IA-2	0.19	VP-3	6.4	0.029
Avg	**0.20**	**Avg**	**28.8**	**0.0069**

Based on this empirical analysis, the attenuation factor prior to implementation of the interim corrective actions is estimated at 0.007, approximately a factor of four times lower than the default assumption. Note that the default attenuation factor is based on data primarily collected for single-family homes constructed with basements, and the empirical attenuation factor estimated for this Site is within the range of expected values reported in the literature (USEPA, 2012, Ettinger et al., 2018).

Screening risk evaluations were conducted following methods presented in the SFBRWQCB ESL User's Guide (SFBRWQCB, 2019) and are consistent with methods recommended in the ACDEH Decision Matrix for Vapor Intrusion Mitigation and Migration Controls (ACDEH, 2021). Cumulative screening risks were calculated by summing the ratios of the maximum measured concentration for each detected analyte and the cancer / noncancer ESLs for commercial land use. These sums were adjusted by the target risk level used for the ESL calculations (1×10^{-6}) and the target non-cancer hazard index (1) to calculate the cancer risk and noncancer hazard index, respectively.

Risks were calculated using indoor air data collected before implementation of the interim measures. Separate calculations were performed for the slab on-grade buildings and the raised floor (container) buildings which have a vented layer beneath the floor. The cumulative risk calculations were influenced by compounds that are commonly due to background sources (i.e., chloroform and carbon tetrachloride) and the risks with and without these background contributions were quantified. The risk results are summarized below:

Building Type	Scenario	Cancer Risk	Hazard Index
Slab on-grade	All VOCs	4.8×10^{-6}	0.096
	No Background	2.5×10^{-6}	0.095
Raised floor	All VOCs	5.5×10^{-6}	0.085
	No Background	3.1×10^{-6}	0.082

The estimated indoor air cancer risks prior to implementation of the interim measures were slightly above the *de mimimus* risk level of 1×10^{-6}, and the noncancer hazard indices (HI) were below the target level of 1.

Risks for the sub-slab vapor data were calculated on a point-by-point basis. All data were used in this evaluation, even though at several locations, the maximum concentrations were detected during the initial monitoring event and have not been repeated during subsequent events. Screening-level risk evaluations were calculated using the default attenuation factor of 0.03 and the site-specific attenuation factor of 0.007, and are summarized below:

	AF =	0.03	AF =	0.007
Sample ID	**Cancer Risk**	**Hazard Index**	**Cancer Risk**	**Hazard Index**
VP1	3.0×10^{-6}	0.09	7.0×10^{-7}	0.021
VP2	6.9×10^{-7}	0.09	1.6×10^{-7}	0.021
VP3	5.9×10^{-7}	0.18	1.4×10^{-7}	0.041
VP4	2.1×10^{-6}	0.06	4.9×10^{-7}	0.015
VP5	8.9×10^{-6}	0.16	2.1×10^{-6}	0.037
VP6	2.8×10^{-6}	0.07	6.5×10^{-7}	0.015
VP7	3.0×10^{-6}	0.11	7.1×10^{-7}	0.027
VP8	9.0×10^{-7}	0.05	2.1×10^{-7}	0.012
VP9	1.5×10^{-5}	0.79	$3.\times10^{-6}$	0.184
VP10	1.0×10^{-6}	0.14	2.4×10^{-7}	0.032

Using the site-specific attenuation factor, risks are generally below the *de mimimus* risk level of 1×10^{-6}, except for 2 locations: VP9 located in the southeast corner of Building A-3 where higher levels of naphthalene were historically detected; and VP5 located in the eastern end of the Building A-1 where PCE has been consistently detected over the sampling period.

Limited sub-floor air data are available to characterize the sub-surface conditions that may be the source of vapor intrusion into the raised floor buildings on the eastern portion of the Site. However, a screening-level risk evaluation was conducted for the data that are available. The results of this evaluation indicate the theoretical risk based on the sub-floor data (using the default attenuation factor of 1) is greater than 1×10^{-4}. However, based on the indoor air data collected in this building, the risk calculated based on the sub-floor data appears to be biased high.

The results of this vapor intrusion investigation were used to classify the vapor intrusion risk conditions for the buildings at the Site. Based on these MLE data, evaluations of the following classifications are made:

- The slab on grade buildings are characterized as a “Low-VI Risk” buildings (potential risk $\leq 1\times10^{-5}$and HI $\leq$ 10). With this classification, the recommended mitigation measures for these buildings will consist of one primary control and two contingency controls.
- The raised floor (container) buildings are characterized as “High-VI Risk” buildings (potential risk > 1×10^{-4}). With this classification, the recommended mitigation measures for these buildings will consist of two primary controls and one contingency control.

3. CORRECTIVE ACTION OBJECTIVES

The overall corrective action objectives for the Site are to limit potential exposures of students, teachers, staff, and construction workers to COPC levels that are protective of human health. This will be completed through the implementation of remedial actions, engineering controls, and administrative and institutional controls. The corrective action objectives of remedial actions are to meet SFBRWQCB ESLs for commercial workers and construction workers which are protective of the potential receptors at the Site. If concentrations cannot feasibly be remediated to ESLs, engineering controls (e.g., vapor mitigation system or soil capping) will be implemented to mitigate potential future exposures. Administrative and institutional controls will be used to ensure the long-term effectiveness of the engineering controls.

Corrective actions objectives for each environmental media at the Site are discussed in the following sections.

3.1 Soil

Elevated levels of arsenic and lead are locally present in shallow soil at the Site. The area on the south parcel exceeding the ESLs for lead for construction workers and commercial workers will be excavated. For the northern parcel, soil concentrations exceed the ESLs for lead background levels for arsenic. Most of the northern parcel will be capped with hardscape for the future development. This cap will provide an engineering control to mitigate potential exposure to soil on this parcel. Shallow soil will be excavated in areas where no surface cover is planned (i.e., landscaped areas) or where future utility workers may be exposed to soil (e.g., along proposed storm drain lines).

3.2 Groundwater

Groundwater is not currently used or likely to be used in the future. However, additional groundwater characterization is planned for the southeast corner of the property. If groundwater concentrations in this location are elevated, targeted remediation will be implemented in this area.

3.3 Soil Vapor

Although soil vapor concentrations of TPHg, benzene, and chloroform exceed ESLs for the vapor intrusion pathway, there are no buildings near these exceedances, and vapor mitigation engineering controls will be installed for nearby buildings. The area of elevated TPHg in soil vapor in the southeast corner of the site (EC1) will be further

assessed and the need to implement some remediation for contaminant mass removal will be evaluated based upon these data.

3.4 Sub-Slab Vapor and Indoor Air

COPCs exceeding ESLs for the vapor intrusion pathway (naphthalene and PCE) are present in sub-slab vapor beneath portions of the existing structures at the Site. Vapor mitigation engineering controls will be implemented to mitigate potential exposures to building occupants and achieve indoor air concentrations below ESLs or background levels.

4. PROPOSED CORRECTIVE ACTIONS

The following sections describe the various corrective actions to be undertaken to ensure the corrective action objectives for the Site are met. As described below, exposure pathways will be eliminated through a combination of targeted removal actions and the implementation of engineering, administrative, and institutional controls. Further design and implementation details for these measures will be presented in the planning and design documents, as listed in Section 7. Proposed corrective actions at the Site are discussed in the following sections and summarized in **Table 11** and **Figure 6**.

4.1 Preliminary Activities

Preliminary activities to be undertaken in advance of implementing corrective actions at the Site include permitting, public noticing, worksite preparation, equipment staging, and security measures. Permitting requirements will be further assessed and documented during future planning and design activities. It is currently anticipated that permitting will involve, at a minimum, obtaining a grading permit from the City of Oakland to install additional storm drain infrastructure at the Site and complete planned improvements on the South Parcel (landscaped areas) and North Parcel (paved recreational areas and landscaped areas). Public noticing will be performed in collaboration with ACDEH, including a Public Notice and Work Notice (see Section 6).

4.2 Remediation Measures

Remediation measures at the Site will involve the excavation, removal, and off-Site disposal of shallow soils from targeted locations, as described below.

4.2.1 Soil Excavation Locations and Procedures

Soil excavation will be conducted in several specific locations at the Site to either remove locally elevated metals and VOC vapor sources detected during prior investigations or to accompany the installation of new development features (**Figure 5**).

Elevated lead locally present in shallow soil at sampling location EC2 on the Southern Parcel will be excavated and removed for off-Site disposal. Soil excavation will also be performed in specific locations within the Northern Parcel to remove elevated metals (arsenic and lead) present in shallow soil in this area of the Site where new storm drain lines and landscaped areas will be installed. Soils excavated from planned new storm drain lines and landscaped areas within the Northern Parcel will also be removed for off-Site disposal, and all excavated areas backfilled with clean imported soil following ACDEH guidance. Approximate proposed excavation areas are depicted on **Figure 6.**

Based on the findings of a planned supplementary soil vapor investigation, further localized soil removal may also be conducted at the apparent TPHg vapor source recently detected at location EC1. As further discussed below, the nature of this planned additional soil vapor assessment is further detailed in the Data Gaps Work Plan Addendum #2 (Geosyntec, 2021b)

General soil excavation and management procedures are described in the following sections. Detailed procedures and protocols for soil management during construction, soil capping and soil remediation activities, including backfill soil import, will be documented in a Soil and Groundwater Management Plan (SGMP), which will accompany the Corrective Action Implementation Plan to be prepared and submitted for ACDEH review and approval in advance of Site development activities.

Soil Excavation and Removal Areas

Shallow soil excavation and removal will be conducted in specific areas of the Site to remediate locally elevated metals (lead and arsenic) and possibly TPHg soil vapor sources. Soil excavation and removal will be also performed to allow the installation of planned additional storm drain lines and discrete landscaped areas within the Northern Parcel of the Site.

Analytical results indicate elevated lead detected in location EC2 is limited to a depth of $\leq$2 ft bgs. Elevated lead in soil at this location will be excavated and disposed of off Site. Excavation will be guided in the field during soil removal activities using an X-ray fluorescence spectroscopy instrument (XRF). Follow-up verification soil sampling and laboratory testing for lead will be conducted to confirm that remaining soils exposed in the excavation sidewalls and bottom are below the commercial ESL for lead. Upon receipt of acceptable verification results, the remedial excavation at location EC2 will be backfilled with clean imported soil and the surface repaved.

Soil removal from planned landscaped areas in the Northern Parcel will extend laterally to the limits of each individual area and extend to a depth of approximately 3 ft bgs. As discussed below, a geotextile demarcation layer will be installed at the base of the clean fill soil in each landscaped area to provide a visual indication of the division between clean fill soil and underlying native soil.

Soil excavations along new storm drain lines planned for the Northern Parcel will be wide enough to allow the line installation and extend to the planned pipeline installation depth. Excavation in these areas will also be backfilled with clean imported soil, with the new landscaped areas to remain open for planting and new storm drain alignments to be resurfaced with pavement, in accordance with the current development plan (**Appendix A**).

The TPHg soil vapor source recently detected in location EC-1 will be further delineated through the collection of additional step-out soil vapor sampling surrounding this location (Geosyntec 2021b). The findings will be reported in a Supplemental Data Gaps Investigation Report prior to the start of construction activities. Findings of this future work will inform the nature of remedial soil excavation to be conducted in this area of the Site. It is anticipated that excavation in this area (if necessary) will be limited to the soils immediately surrounding location EC1. If soil excavation is performed in this area, an oxidizing amendment (ORC™ or equivalent) may be introduced into the excavation pit prior to backfilling as a preventative measure to protect against potential groundwater impacts from any residual petroleum hydrocarbons that may remain following soil excavation in this area.

Soil Transportation and Disposal

Soil removed from the remedial excavation at location EC2, as well as from planned landscaped areas and storm drain lines in the Northern Parcel and the area surrounding location EC1 (if necessary), will be profiled for proper disposal in advance of removal from the Site. Profiled soil will be transported under proper documentation by a licensed waste hauler to a permitted disposal facility.

Clean Fill Import and Excavation Backfill

Clean fill soil will be imported to the Site for use in backfilling excavation areas. Fill soil will be identified and evaluated for suitability in accordance with ACDEH guidance[3]. Fill soil management will be further documented in the SGMP, which will accompany the Corrective Action Implementation Plan to be prepared and submitted to ACDEH for review and in advance of Site development activities.

4.3 Engineering Controls

Engineering controls will be implemented to mitigate potential receptor exposure to COPCs during planned construction activities, as well as during future routine operations at the Site. The various proposed engineering controls are described in the following sections.

4.3.1 Operational Exposure Mitigation Controls

A variety of engineering controls are proposed to mitigate potential receptor exposure to Site COPCs present in soil and sub-slab vapor.

[3] https://deh.acgov.org/landwater-assets/docs/LOP_Soil_Characterization_Requirements.pdf

Soil Capping on Northern Parcel

Potential receptor exposure to elevated metals detected in surface soil across the Northern Parcel will be mitigated through the installation of an asphalt or concrete cap across this portion of the Site. Development plans call for this capped area to be used for outdoor recreational purposes and/or parking (**Figure 5**). With the exception of the discrete landscaped areas (discussed in Section 4.2.1), this cap will cover all areas of exposed soil in the Northern Parcel. Further design and implementation details for soil capping across the Northern Parcel will be presented in future planning and design documents, as described in Section 7. Potential construction worker exposure during Site development activities will be mitigated as described below in Section 4.3.2.

Soil Capping in Northern Parcel Landscaped Areas

Following the removal of shallow soil from planned landscaped areas within the Northern Parcel, these features will be backfilled with clean imported soil up to surface grade. This clean soil will serve to cap subgrade soil remaining following targeted remedial excavations in these areas and provide an effective barrier to potential receptor exposure to residual elevated metals that may remain at depth in the subsurface. A geotextile demarcation layer will be installed at the base of the clean fill soil in each landscaped area to provide a visual indication of the division between clean fill soil and underlying native soil.

Vapor Intrusion Mitigation

Proposed vapor intrusion mitigation measures at the Site will be performed in general accordance with recent ACDEH guidance for vapor intrusion risk sites (ACDEH, 2021). ACDEH guidance calls for buildings determined to have a *low* vapor intrusion risk to be equipped with one primary engineering control measure and two contingency engineering control measures; whereas, those determined to have a *high* vapor intrusion risk are to be equipped with two primary and one contingency engineering control measures.

Vapor intrusion mitigation measures at the Site vary depending upon the nature the building and findings of the vapor intrusion evaluation (see Section 2.5.1). Findings of the risk evaluation identified slab on-grade Buildings A-1 through A-3 and Building B as *low* vapor intrusion risk; whereas, raised floor Buildings A-4 and A-5 were identified as being *high* vapor intrusion risks. As further discussed below, different measures are proposed for slab on-grade structures versus raised floor structures.

A Retro-Coat™ epoxy floor sealant system was previously applied to the flooring in all existing on-Site buildings during August 2019. The floor sealant system was applied to create a barrier to prevent sub-surface VOC vapors from migrating into indoor air through cracks and other openings in the floors. Installation of this vapor barrier

represents a Site-wide primary engineering control measure against vapor intrusion for all existing buildings. Installation of the floor sealant and preliminary ventilation improvements were documented in the *Record of Construction Report* (Geosyntec, 2019a; 2019c).

Buildings A-4 and A-5 are both raised floor structures and have a low open area between the floor and the underlying ground surface. These two structures will be equipped with a second primary engineering control measure, involving the installation and full-time operation of an active sub-floor ventilation system that will be operated to continuously blow ambient air into the sub-floor area beneath these buildings. It is anticipated that this active ventilation system will include manifolding-introduced air into the sub-floor area through multiple inlet fans on one side of each building and allowing the introduced air to naturally vent out of multiple outlets on the opposing side of the building. The other two sides of each building will be blocked to contain, control, and direct the introduced air stream. As an additional protective measure and in order to ensure that the sub-floor venting system proposed for these structures continues to operate as planned, an alarm system will be installed in Buildings A-4 and A-5 to provide automatic notification to Site operators if fans driving this system stop running.

In addition to these primary engineering controls, proposed contingency engineering controls include further interior ventilation enhancements in all existing buildings at the Site and point of exposure air purification for Buildings A-1 through A-3 and Building B. The potential need for implementation of contingency controls in one or more of the existing buildings will be based on the results of future monitoring (see Section 5.2.1). Point of exposure air purification systems have already been purchased and are available for installation, and interior ventilation enhancements can be easily implemented, as needed.

Mitigation measures at the Site are summarized **Table 11** and **Figure 6**. Design and implementation details for the sub-floor ventilation system and contingency control measures will be presented in future planning and design documents, as listed in Section 7.

4.3.2 Construction Phase Mitigation Measures

Mitigation measures will also be implemented during Site development activities to ensure construction worker protection and manage stormwater during construction activities.

Potential construction worker exposure to Site COPCs via inhalation, direct exposure, and/or ingestion will be managed through the implementation of vapor and dust mitigation measures during earth-disturbing construction activities. Construction phase

engineering controls may include dust and vapor suppression measures and accompanying dust and vapor monitoring activities.

Stormwater management and erosion control measures during construction activities will be implemented through the design, installation, and maintenance of stormwater best management practices (BMPs) throughout the Site, as specified by local permitting requirements.

Detailed practices and procedures for construction phase mitigation measures will be presented in the SGMP and Stormwater Pollution Prevention Plan (SWPPP) to be prepared in advance of Site development activities (see Administrative Controls in Section 4.4).

4.4 Administrative Controls

Prior to the implementation of corrective actions at the Site, an SGMP will be developed and submitted to ACDEH for review and approval. The SGMP will be implemented as an administrative control. The elements of the SGMP are described below.

4.4.1 Soil and Groundwater Management Plan

The SGMP will be prepared and submitted along with the Corrective Action Implementation Plan for review and approval by ACDEH in advance of any earth-disturbing activities at the Site. The SGMP will provide details regarding the procedures, protocols, record-keeping requirements, and management practices for soil excavation, handling, transport, and disposal during construction activities. The SGMP will also include elements regarding regulatory agency notification and reporting requirements, soil management (including imported soil material identification, characterization and management), contingency measures for discovery of unexpected environmental conditions, waste management and disposal, and dust, vapor, and potential odor emission control measures to be implemented during construction activities.

4.4.2 Risk Management Plan

A Risk Management Plan (RMP) will be prepared and submitted to ACDEH for review and approval. The RMP will outline Site operations, maintenance and monitoring procedures, and protocols necessary to ensure the mitigation measures are providing the intended protection for Site receptors. Such procedures would include maintenance, inspection, and repair measures for the epoxy-coated building floors and the interior and sub-floor ventilation systems, as well as for the proposed and existing capped areas of the Site, and landscape maintenance measures. The RMP will also outline the nature

and frequency of periodic indoor, outdoor, and sub-floor air monitoring to be completed to assess the effectiveness of the primary engineering controls at the Site and evaluate the potential need for implementing one or more of the possible contingency measures. The existing Site operation, monitoring, maintenance, and reporting (OMMR) plan will be updated as necessary to reflect procedures and protocols to be presented in the RMP. The RMP will be prepared and submitted for ACDEH approval in advance of Site occupancy and operation.

4.5 Institutional Controls

The final Site mitigation measure involves the development and implementation of institutional controls to protect and ensure that the engineering and administrative controls implemented at the Site remain in-place, and are maintained and operated in a manner that will ensure the ongoing protection of Site workers and students.

Land use covenants will be summarized in a deed restriction document that will be prepared for review and approval by the ACDEH. The land use covenants will identify land use restrictions based on Site conditions identified in a Corrective Action Completion Report, documenting implementation of this CAP and will provide conditions that will be required to be satisfied for future amendment of the land use restrictions. Upon approval of the land use restriction document by the ACDEH, the land use restriction document will be recorded at the County Recorder's Office and copies of the recorded document, along with documentation of the recordation, will be provided to the ACDEH.

5. PERFORMANCE EVALUATION

The performance of the proposed remediation and mitigation measures will be evaluated as they relate to elimination of identified receptor exposure pathways and achievement of corrective action objectives. The achievement of corrective action objectives and the efficacy of Site construction worker protection efforts will be evaluated and documented as described below.

5.1 Construction Phase Air Monitoring

Perimeter and on-Site air monitoring will be conducted during development activities to protect on-Site workers and the community from exposure to dust and vapor emissions. Periodic monitoring will be conducted on a daily basis during significant earth-disturbing construction activities (i.e., during grading, trenching, and remedial excavation efforts). Monitoring will be performed using hand-held direct-reading instruments (e.g., photoionization detector and dust monitor). Visual monitoring for nuisance dust will also be performed. Details regarding the nature, frequency, and recordkeeping of on-Site air monitoring will be detailed in the SGMP and the site-specific Health and Safety Plan (HASP). Monitoring results exceedance criteria and response measures will also be identified in the SGMP and HASP. Results of construction phase monitoring activities will be presented the Corrective Action Completion Report to be prepared and submitted to ACDEH following completion of Site construction activities.

5.2 Operational Phase Monitoring and Maintenance

Periodic performance evaluation monitoring and ongoing maintenance will be conducted following completion of the proposed corrective measures at the Site. These activities are described in the following sections.

5.2.1 Monitoring

Post-construction monitoring will be conducted to confirm the efficacy of the various mitigation measures implemented to prevent vapor intrusion into buildings at the Site.

As described below, periodic performance monitoring will be conducted to assess VOC and radon concentrations in sub-slab and sub-floor vapors, as well as indoor and outdoor air. Following completion of semi-annual monitoring for VOCs and radon during the first year, consistent with ACDEH guidance (ACDEH, 2021), radon will be used as a surrogate for VOCs to allow ongoing assessment of potential VOC vapor intrusion into Site buildings. The details of this planned performance monitoring, including the nature and frequency of testing and exceedance thresholds and response

measures, will be presented for ACDEH for review and approval in advance of Site occupancy and operation in a pending revision to the existing OMMR Plan (Geosyntec, 2019b).

As described further below, the results of all monitoring activities performed at the Site will be reported to ACDEH on an annual basis. In the event that indoor VOC or radon indicator data indicate an increase in concentration during a reporting period, ACDEH will be consulted and appropriate response actions will be identified. Exceedance of monitoring criteria set forth in the OMMR plan may include, but not be limited to, verification re-sampling or implementation of one or more readily available contingency controls, with subsequent confirmation sampling to ensure that the implemented measure(s) remain effective.

Preliminary anticipated elements of the performance monitoring program are described below.

All Existing Buildings

Post-construction performance monitoring will be performed in all existing buildings on Site and include the following:

- Sub-slab and indoor air monitoring for VOCs and indoor air monitoring for radon on a semi-annual basis for one year; and
- Follow-up continuous indoor radon monitoring and recording on a long-term annual basis.

Buildings A-4 and A-5 (raised floor structures)

Additional monitoring and provisions specific to these raised-floor structures beyond that described above will include the following:

- Sub-floor airspace monitoring for VOCs and radon on a semi-annual basis for one year; and
- Malfunction alarm to ensure continuous operation of sub-floor fan(s).

Outdoor Air Monitoring

Outdoor air monitoring will be conducted to measure ambient levels of radon in the Site vicinity, providing baseline radon conditions to allow comparison with indoor radon measurements. Outdoor radon monitoring will be performed semi-annually for one year.

5.2.2 Maintenance

Annual inspections will be conducted to document the condition and operability of the current and proposed engineering controls at the Site. Inspections will include observing and documenting the ground surface capping, epoxy floor seal, sub-floor venting systems, and radon monitors. The need for any necessary maintenance, repairs, or modifications to these systems will be identified during inspections, and a schedule for implementation will be established. The findings of these inspections and any follow-on actions taken will be presented in the annual monitoring report.

The current OMMR plan will be updated to reflect the nature of the proposed new primary and contingency control measures and their related inspection and maintenance procedures and protocols.

6. PUBLIC NOTIFICATION

A Public Notice (Fact Sheet) describing the proposed corrective actions has been prepared and submitted to the ACDEH for review and approval. Upon approval by the ACDEH, the Public Notice will be distributed to the surrounding community for a 30-day public comment period. An ACDEH Work Notice will be distributed to the surrounding community seven days in advance of the start of Site development work.

7. REPORTING

The following documents will be submitted for ACDEH review and approval in accordance with the project schedule:

Pre-Construction

- ***Corrective Action Implementation Plan* (CAIP) –** The CAIP will present the design and specifications for selected corrective actions. This document will also include estimated long-term maintenance costs for the engineering controls at the Site and an updated project schedule.
- ***Site-specific Health & Safety Plan* (HASP**) – A HASP will be prepared for on-Site workers in accordance with Occupational Safety and Health Administration (OSHA) regulations. A copy of the HASP will be uploaded to GeoTracker and made available to all Site workers for their review and acknowledgement in advance of conducting CAP-related work. All Site workers must abide by the HASP during the implementation of the CAP. The HASP will be included as a component of the CAIP.
- ***Vapor Mitigation Engineering Control Plan* (VMEC) –** This plan will present the design and specifications for selected vapor mitigation measures. This document will also include estimated long-term maintenance costs for the engineering controls at the Site and an updated project schedule.
- ***Operations, Maintenance, Monitoring and Reporting Plan* (OMMR) –** The OMMR Plan is intended for entities that are responsible for the maintenance and operations of engineering control systems. The OMMR Plan: (1) establishes standard operating procedures, intervals, and minimum requirements for routine operations, maintenance, and monitoring activities; (2) establishes standard operating procedures and triggers for routine and non-routine activities including inspections, repairs, and performance evaluations for engineering control systems; and (3) establishes reporting requirements and termination criteria for the operation and maintenance of the engineering control systems. The OMMR will be included as a component of both the CAIP and the VMEC.
- ***Construction Soil and Groundwater Management Plan* (CSGMP) –** A CSGMP will be prepared that provides procedures and protocols for the management practices for soil and groundwater during construction activities. The CSGMP will include elements regarding regulatory agency notification and reporting requirements, soil management, groundwater management, contingency measures for discovery of unexpected environmental conditions, waste management and disposal, dust and odor emission control, and storm

water management. The CSGMP will also include a Soil Import Management Plan (SIMP) identifying fill material selection criteria and characterization requirements, which will be implemented in accordance ACDEH soil import guidance.

- ***Site Development Construction Quality Assurance Plan* (CQA Plan)** – The CQA plan will describe quality assurance measures intended to ensure that Site development is performed in accordance with the CAIP. The CQA Plan will be incorporated as a component of both the CAIP and VMEC
- ***Public Notice (Fact Sheet) and Work Notice* –** These documents will be developed in collaboration with ACDEH and describe the Site development plans and related work activities, including planned corrective actions, and provide stakeholders and the larger community advance notice of the CAP, implementation of Site work, and Corrective Action Completion Report.

Post Construction and Corrective Actions

- ***Corrective Action Completion Report*** – This report will document completion of the implementation of the CAIP and compliance with the SGMP, SIMP, or other applicable plans.
- ***Long Term Site Management Plan* (SMP)** – This is a communications document intended for tenants, occupants, construction workers, or any other entities which may come into contact with engineering control systems. The SMP serves as an administrative control to ensure that engineering controls are not inadvertently damaged and that when engineering control systems are encountered, appropriate entities are notified.
- ***Deed Restriction*** – This document will be prepared to outline proposed Land Use Covenants, identifying land use restrictions based on Site conditions identified in Corrective Action Completion Report and will provide conditions that will be required to be satisfied for future amendment of the land use restrictions.
- ***Annual Monitoring Report and Five-Year Report*** – These reports will summarize the nature, procedures, and findings of routine monitoring conducted at the Site and will provide documentation on the effectiveness of the implemented engineering control systems.

8. PRELIMINARY SCHEDULE

A preliminary schedule for implementation of the CAP is provided in **Figure 7**.

9. REFERENCES

AE Schmidt Environmental, 1997. UST Closure Report, Oakland Maintenance Yard, 1112 29th Avenue, Oakland, California 94601, 21 April 1997.

Alameda County Department of Environmental Health Local Oversight Program (ACDEH), 2021. Decision Matrix for Vapor Intrusion Mitigation and Mitigation Controls for New Construction. Revision 18 February 2021.

Apex, 2020, Data Gap Investigation Work Plan, "0" 29th Avenue, Oakland, California, Site Cleanup Program Case RO0003204 GeoTracker Global ID T10000010328, 10 April 2020.

ERAS Environmental, Inc. (ERAS), 2017. Limited Phase II Subsurface Investigation at 0 29th Avenue, Oakland, California. 21 July 2017.

Ettinger, R.A., Luis, S., Weinberg, N., McAlary, T., Plantz, G., Dawson, H.E., and J. Sickenger, 2018. Empirical analysis of vapor intrusion attenuation factors for sub-slab and soil vapor – An updated assessment for California sites. *Proceedings Paper #VI22, Presented at the Vapor Intrusion, Remediation, and Site Closure Conference, American and Waste Management Association*. Phoenix, Arizona, December 5-6, 2018.

Geocon Consultants, Inc (Geocon), 2001a. First Quarter 2001 Groundwater Monitoring Report, South Oakland Maintenance Station, 1112 29th Avenue, Oakland, California. 1 August 2001.

Geocon, 2001b. Second Quarter 2001 Groundwater Monitoring Report, South Oakland Maintenance Station, 1112 29th Avenue, Oakland, California. 15 November 2001.

Geocon, 2005. Annual Groundwater Monitoring Report, South Oakland Maintenance Station, 1112 29th Avenue, Oakland, California, June 2005.

Geocon, 2006. Low Risk Case Closure Summary Report, South Oakland Maintenance Station, 1112 29th Avenue, Oakland, California, 14 June 2006.

Geocon, 2018. Air Monitoring Report, 26 September 2018.

Geocon, 2019a. Historical Building and Utility Survey/Sub-slab, Indoor, and Outdoor Air Sampling Report, Site Cleanup Program Case RO0003432 GeoTracker Global ID T10000014503.

Geocon, 2019b. Routine Performance Monitoring Report, Site Cleanup Program Case RO0003432 GeoTracker Global ID T10000014503, 30 August 2019.

Geocon, 2019c. Routine Performance Monitoring Report, Site Cleanup Program Case RO0003432 GeoTracker Global ID T10000014503, 5 September 2019.

Geocon, 2019d. Routine Performance Monitoring Report, Site Cleanup Program Case RO0003432 GeoTracker Global ID T10000014503, 12 September 2019.

Geosyntec, 2020. Data Gaps Investigation Work Plan, Site Cleanup Program Case RO0003432 GeoTracker Global ID T10000014503. 25 November 2020.

Geosyntec, 2021a. Data Gaps Investigation Report, Site Cleanup Program Case RO0003432 GeoTracker Global ID T10000014503. 10 February 2021.

Geosyntec, 2021b. Data Gaps Investigation Work Plan Addendum #2, Site Cleanup Program Case RO0003432 GeoTracker Global ID T10000014503. 12 July 2021.

Geosyntec, 2019a. Record of Construction, Site Cleanup Program Case No. RO0003376, Geotracker Global ID T100000013161, Former Caltrans Maintenance Station, 1112 29th Avenue, Epic Charter School 1045 Derby Avenue, Oakland California. 26 August 2019.

Geosyntec, 2019b. Operations, Maintenance, Monitoring, and Reporting Plan For Mitigation Systems, Site Cleanup Program Case No. RO0003376, Geotracker Global ID T100000013161, Former Caltrans Maintenance Station, 1112 29th Avenue, Epic Charter School 1045 Derby Avenue, Oakland California. 26 August 2019.

Geosyntec, 2019c. Record of Construction – Administration Building, Front Office, and Maker Space, Site Cleanup Program Case No. RO0003376, Geotracker Global ID T100000013161, Former Caltrans Maintenance Station, 1112 29th Avenue, Epic Charter School 1045 Derby Avenue, Oakland California. 30 August 2019.

Professional Service Industries (PSI), 1999a. Hazardous Waste Preliminary Site Investigation Report, South Oakland Maintenance Station, 1112 29th Avenue, Oakland, California. 25 May 1999.

PSI, 1999b. Hazardous Waste Preliminary Site Investigation Report Supplemental #1, South Oakland Maintenance Station, 1112 29th Avenue, Oakland, California. 1 December 1999.

PSI, 2000a. Hazardous Waste Preliminary Site Investigation Report, South Oakland Maintenance Station, 1112 29th Avenue, Oakland, California. 18 August 2000.

PSI, 2000b. Third Quarter 2000 Groundwater Monitoring Report, South Oakland Maintenance Station, 1112 29th Avenue, Oakland, California. 15 November 2000.

PSI, 2001a. Fourth Quarter 2000 Groundwater Monitoring Report, South Oakland Maintenance Station, 1112 29th Avenue, Oakland, California. 9 January 2021.

PSI, 2001b. Hazardous Waste Preliminary Site Investigation Report, South Oakland Maintenance Station, 1112 29th Avenue, Oakland, California. 27 September 2021.

PSI, 2002a. First Quarter 2002 Groundwater Monitoring Report, South Oakland Maintenance Station, 1112 29th Avenue, Oakland, California. 2 April 2002.

PSI, 2002b. Second Quarter 2002 Groundwater Monitoring Report, South Oakland Maintenance Station, 1112 29th Avenue, Oakland, California. 29 July 2002.

PSI, 2002c. Draft Third Quarter 2002 Groundwater Monitoring Report, South Oakland Maintenance Station, 1112 29th Avenue, Oakland, California. 25 October 2002.

PSI, 2004. Second Quarter 2004 Groundwater Monitoring Report, South Oakland Maintenance Station, 1112 29th Avenue, Oakland, California. 26 May 2004.

San Francisco Bay Regional Water Quality Control Board (SFBRWQCB), 2019, User's Guide: Derivation and Application of Environmental Screening Levels (ESLs). Interim Final 2019 (Revision 1).

Tec Accutite (TEC), 2007. Limited Subsurface Investigation Report, 3001-3015 East 12th Street, Oakland, California, 94601. 22 June 22, 2007.

U.S. Environmental Protection Agency (USEPA), 2012. *EPA's Vapor Intrusion Database: Evaluation and Characterization of Attenuation Factors for Chlorinated Volatile Organic Compounds and Residential Buildings*. U.S. Environmental Protection Agency Office of Solid Waste and Emergency Response; U.S. Government Printing Office: Washington, DC, 2012; EPA-530-R-10-002.

FIGURES

Legend

Site Location

N

Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

0 500 1,000 2,000 Feet

Site Location Map

Latitude High School,
1112 29th Avenue & 1045 Derby Avenue,
Oakland, California

Geosyntec consultants

SB1027-02

March 2021

Figure 1

P:\CAD_GIS\Projects\SB1027-02_Oakland\MXDs\Revisions030521\Figure 1 Site Location Map.mxd 3/5/2021 8:41:50 AM

Legend

- Approximate Site Boundary
- Former CalTrans Property (Southern Parcel)
- "0" 29th Avenue Property (Northern Parcel)
- Building A-1
- Building A-2
- Building A-3
- Building A-4
- Building A-5
- Building B

N

0 50 100 200 Feet

Current Site Layout

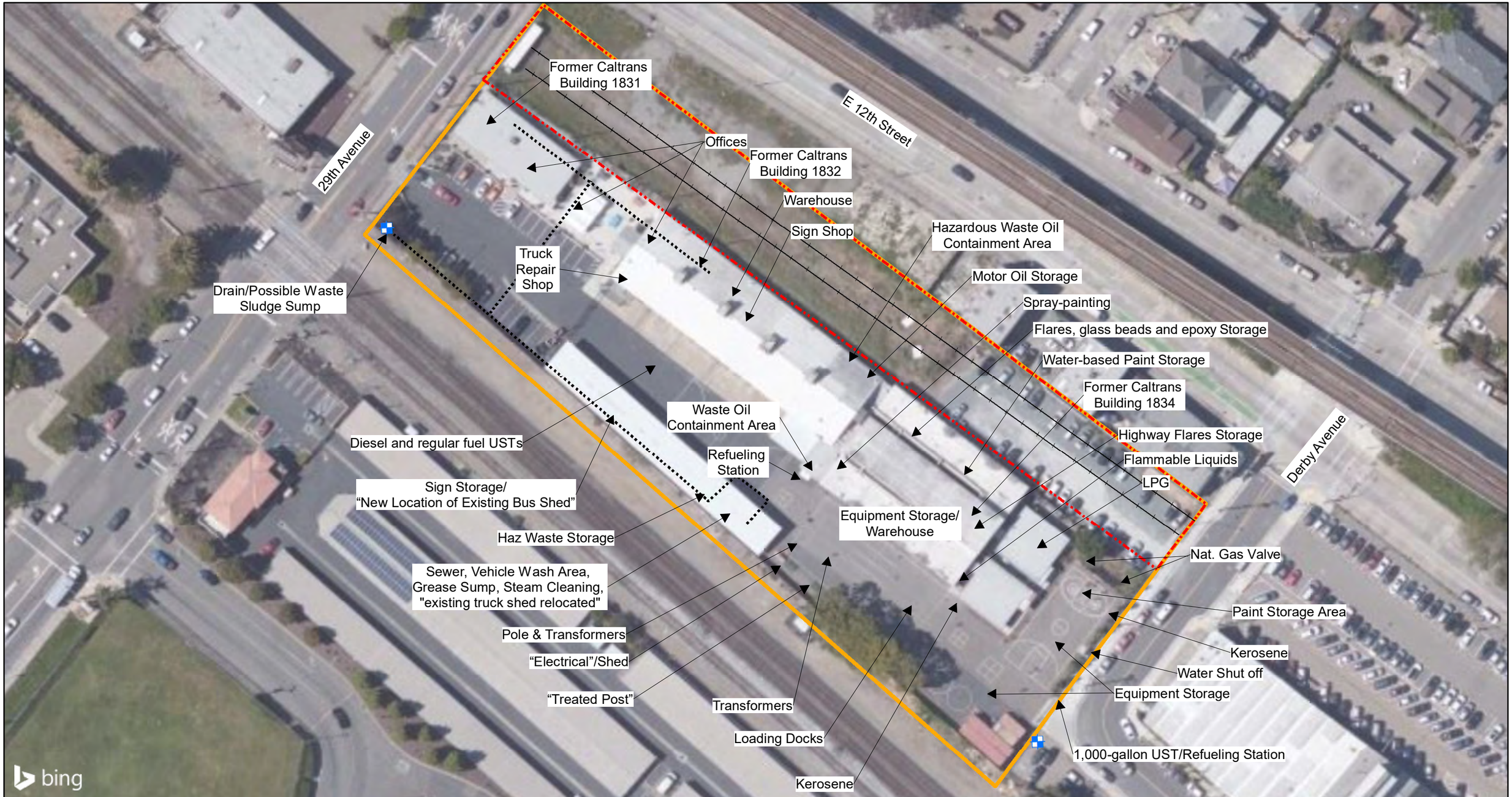
Latitude High School,
1112 29th Avenue & 1045 Derby Avenue,
Oakland, California

Geosyntec consultants

SB1027-02 | March 2021

Figure 2

P:\CAD_GIS\Projects\SB1027-02_Oakland\MXDs\Revisions030521\Figure 2 Current Site Layout.mxd 3/8/2021 11:33:59 AM



Legend

- Appproximate Site Boundary
- Drain
- Sewer Line
- "0" 29th Avenue Property (Northern Parcel)
- Former Railway Track

© 2021 Microsoft Corporation © 2021 Maxar
©CNES (2021) Distribution Airbus DS

N

0 50 100 200 Feet

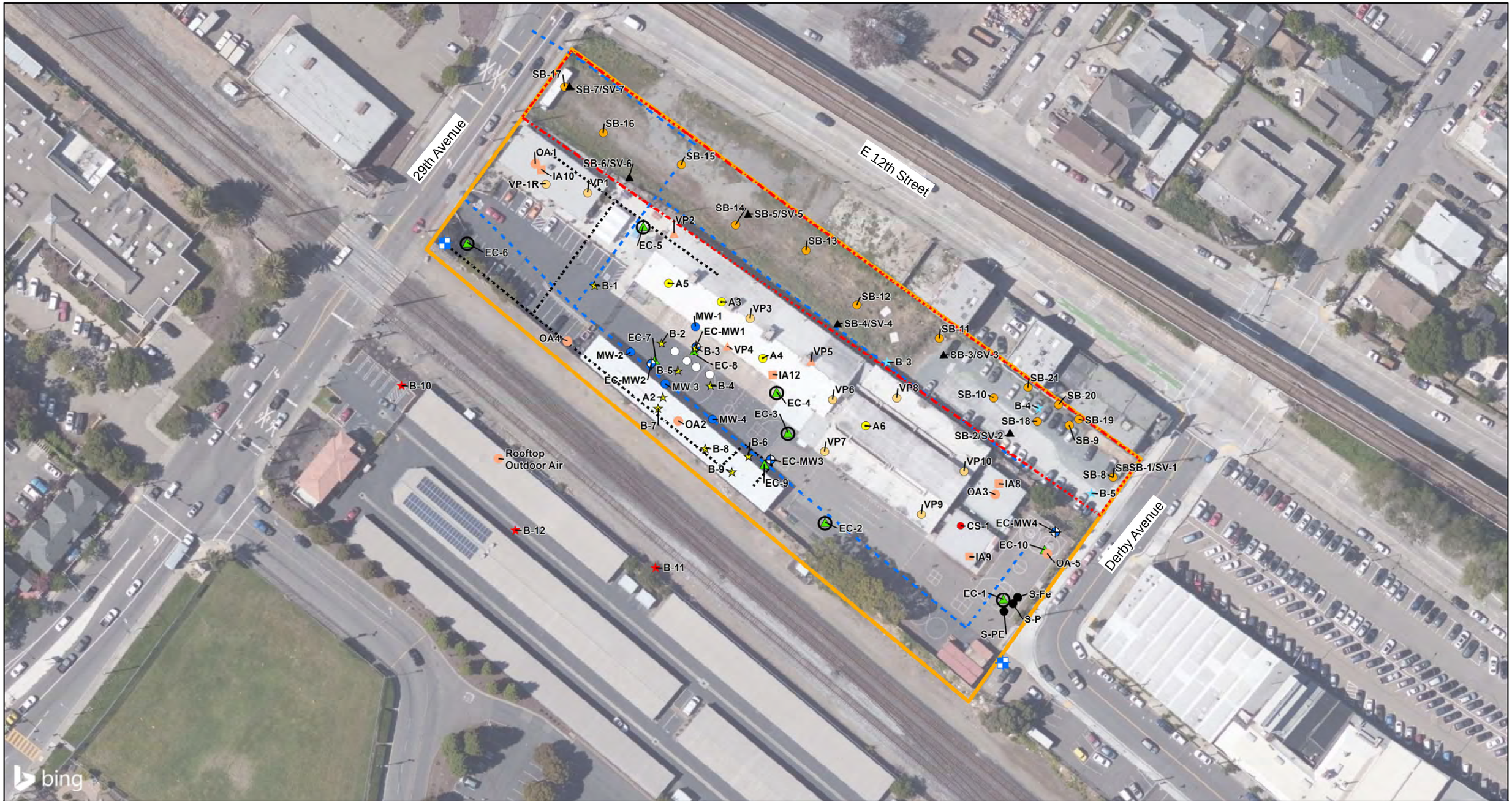
Historical Site Features
Latitude High School,
1112 29th Avenue & 1045 Derby Avenue,
Oakland, California

Geosyntec consultants

SB1027-02 | March 2021

Figure 3

P:\CAD_GIS\Projects\SB1027-02_Oakland\MXDs\Revisions030521\Figure 3 Historical Site Features.mxd 3/5/2021 8:56:41 AM



Legend

- Soil Confirmation Sample - UST Removal (CalTrans, 1993)
- Groundwater Well (PSI, 2000)
- Soil Sample (PSI, 2001)
- UST Pit Soil Confirmation Sample (AE Schmidt, 1997)
- Soil & Grab GW Sample for LUST Case (Geocon, 1999)
- Soil Sample (TEC, 1997, 2007)
- Soil & Soil Vapor Sample (ERAS, 2017)
- Indoor Air (Geocon, 2019)
- Outdoor Air (Geocon, 2019)
- Crawl Space Air Sample (Geocon, 2019)
- Indoor/Outdoor Air Sample (Geocon 2018)
- Sub-Slab Vapor Sample (Geocon, 2019)
- Co-Located Indoor Air & Sub-Slab Vapor Sample (Geocon, 2019)
- Soil Boring (Apex, 2021)
- Soil Vapor Boring (Geosyntec, 2020)
- Soil/Soil Vapor Boring (Geosyntec, 2020)
- Soil/Groundwater Boring (Geosyntec, 2020)
- Drain
- Sewer Line
- Current/Proposed Storm Drain
- Former CalTrans Property (Southern Parcel)
- "0" 29th Avenue Property (Northern Parcel)

© 2021 Microsoft Corporation © 2021 Maxar ©CNES (2021) Distribution Airbus DS

N

0 80 Feet

Former Sample Locations

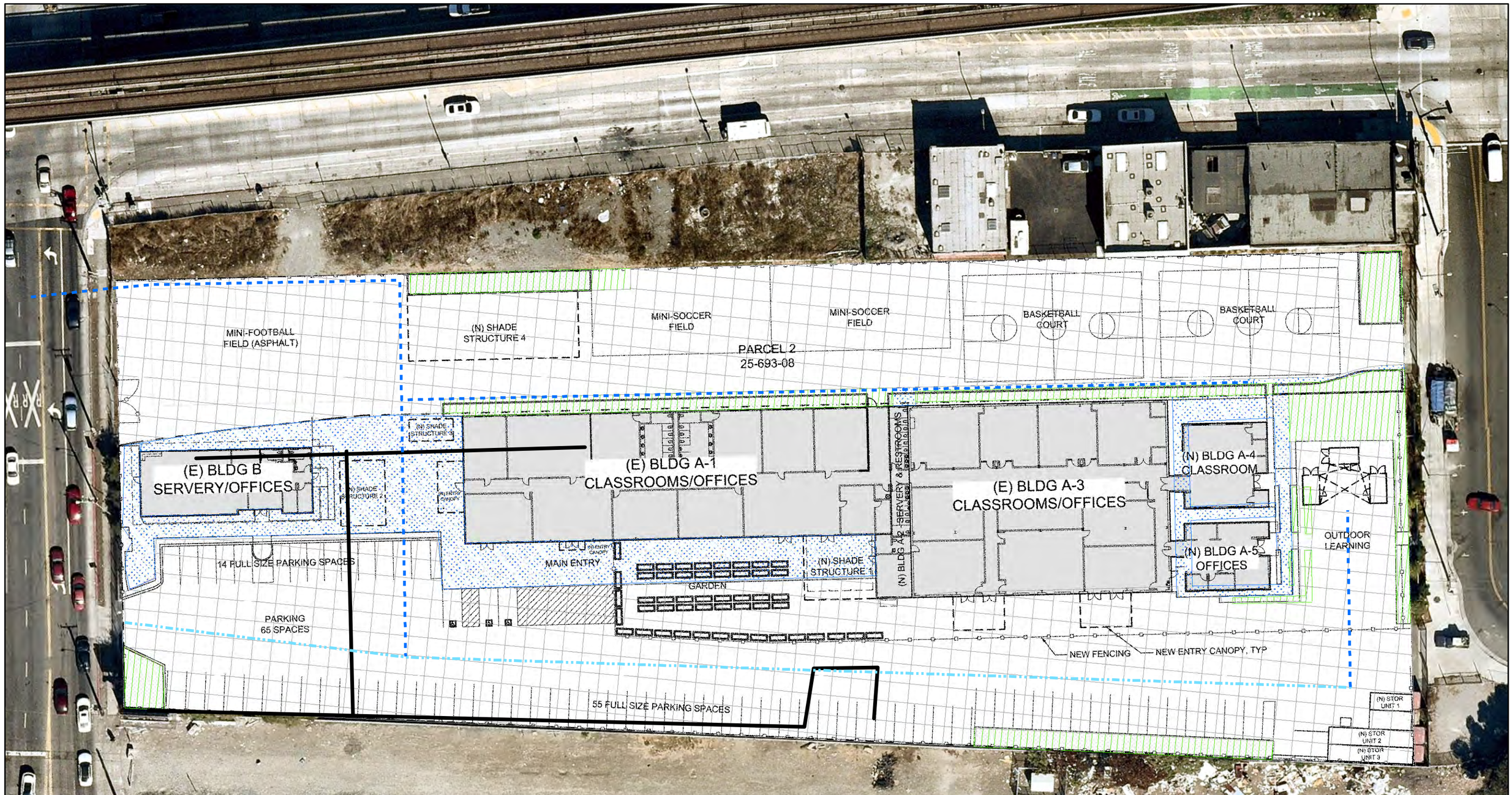
Latitude High School,
1112 29th Avenue & 1045 Derby Avenue,
Oakland, California

Geosyntec consultants

Santa Barbara | March 2021

Figure 4

P:\GIS\SB1027 Education For Change\Projects\Fig03A_Sample_Locs_Historic_Site



Legend

- Sewer Line
- Proposed Stormwater Line
- Existing Stormwater Line
- Proposed Asphalt Layout in Site Master Plan
- Proposed Concrete Layout in Site Master Plan
- Proposed Landscape Layout in Site Master Plan

N

0 50 100 200 Feet

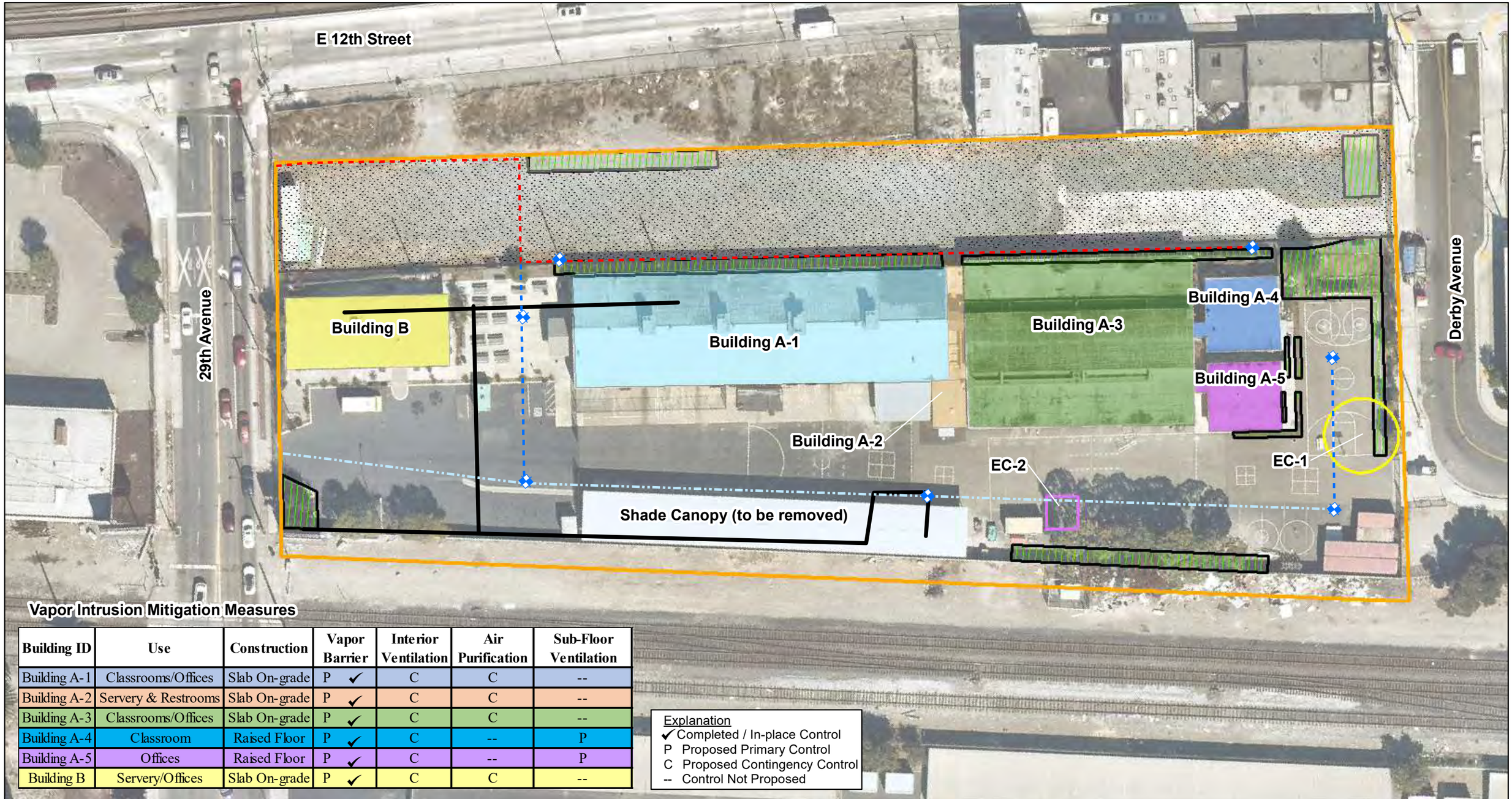
Planned Development
Latitude High School,
1112 29th Avenue & 1045 Derby Avenue,
Oakland, California

Geosyntec consultants

SB1027-02 | March 2021

Figure 5

P:\CAD_GIS\Projects\SB1027-02_Oakland\MXDs\Revisions030521\Figure 5 Planned Development.mxd 3/9/2021 3:49:33 PM



Vapor Intrusion Mitigation Measures

Building ID	Use	Construction	Vapor Barrier	Interior Ventilation	Air Purification	Sub-Floor Ventilation
Building A-1	Classrooms/Offices	Slab On-grade	P ✓	C	C	--
Building A-2	Servery & Restrooms	Slab On-grade	P ✓	C	C	--
Building A-3	Classrooms/Offices	Slab On-grade	P ✓	C	C	--
Building A-4	Classroom	Raised Floor	P ✓	C	--	P
Building A-5	Offices	Raised Floor	P ✓	C	--	P
Building B	Servery/Offices	Slab On-grade	P ✓	C	C	--

Explanation
✓ Completed / In-place Control
P Proposed Primary Control
C Proposed Contingency Control
-- Control Not Proposed

Legend

- Storm Drain
- Sewer Line
- Proposed Stormwater Line (South Parcel)
- Proposed Stormwater Line with Soil Removal (North Parcel)
- Existing Stormwater Line
- Approximate Extent of Remedial Excavation to 2 feet below ground surface
- Approximate Area of Proposed Supplemental Soil Vapor Delineation and Possible Soil Removal/Remediation
- Proposed Landscape Layout in Site Master Plan (Soil Removal in North Parcel Only)
- Area to be Capped with Asphalt/Concrete Cover
- Appproximate Site Boundary

N

0 50 100 200 Feet

Proposed Mitigation Measures

Latitude High School,
1112 29th Avenue & 1045 Derby Avenue,
Oakland, California

Geosyntec consultants

SB1027-02 | March 2021

Figure 6

P:\CAD_GIS\Projects\SB1027-02_Oakland\MXDs\Revisions030521\Figure 6 Proposed Mitigation Measures.mxd 3/11/2021 12:11:43 PM

Figure 7
Preliminary Corrective Action Implementation Schedule
Latitude High School, Oakland, California

ID	Task Name	Duration	Resource Initials	Start	Finish	% Complete
0	**Latitude High School Preliminary Corrective Action Implementation Schedule**	**104 days**		**Mon 3/15/21**	**Fri 8/6/21**	**0%**
1	ACDEH Approval of CAP	1 day	ACDEH	Thu 5/6/21	Thu 5/6/21	0%
2	Supplemental Soil Vapor Sampling	85 days	Geosyntec	Mon 3/15/21	Mon 7/12/21	0%
3	Corrective Action Implementation Plan (CAIP) including Site Development CQA Plan	30 days	Geosyntec	Mon 3/22/21	Fri 4/30/21	0%
4	Vapor Mitigation Engineering Control (VMEC) Plan	30 days	Geosyntec	Mon 3/22/21	Fri 4/30/21	0%
5	Institutional Control Planning (Risk Management Plan, Financial Assurance, Land Use Covenants)	30 days	Geosyntec	Mon 5/3/21	Mon 6/14/21	0%
6	Site Development	70 days	Geosyntec	Fri 4/30/21	Fri 8/6/21	0%
7	**Corrective Action Implementation**	**68 days**	Geosyntec	**Mon 5/3/21**	**Thu 8/5/21**	**0%**
8	Implement corrective actions as described in CAIP	25 days	Geosyntec	Mon 5/3/21	Mon 6/7/21	0%
9	Implement corrective actions described in VMEC	25 days	Geosyntec	Mon 5/3/21	Mon 6/7/21	0%
10	Submit Corrective Action Completion Report (CACR) for CAIP Activities	30 days	Geosyntec	Fri 6/11/21	Thu 7/22/21	0%
11	Submit VMEC Record Report of Construction (RROC)	30 days	Geosyntec	Fri 6/11/21	Thu 7/22/21	0%
12	ACDEH Review of CACR	10 days	ACDEH	Fri 7/23/21	Thu 8/5/21	0%
13	ACDEH Review of RROC	10 days	ACDEH	Fri 7/23/21	Thu 8/5/21	0%

Orange highlight represents a ACDEH task

Last Updated Thu 3/11/21

TABLES

Table 1
Prior Site Investigations
Latitude High School
1045 Derby Avenue
Oakland, California

Parcel	Year	Scope	Media Sampled	Analyses Conducted	Reference *
South	1993	Four soil samples in former UST pit (up to 6.5 ft bgs)	soil	TPHd, TPHg, BTEX	CalTrans
	1997	Four soil samples in former UST pits (up to 10 ft bgs); four stockpile samples	soil	TPH, lead, BTEX	AE Schmidt Environmental
	1999a	Six soil borings (up to 15 ft bgs); groundwater grab samples	soil, groundwater	TPHd, TPHg, VOCs	Professionsal Service Industries, Inc. (PSI)
	1999b	Three soil borings (up to 25 ft bgs); groundwater grab samples	soil, groundwater	TPHd, TPHg, VOCs	PSI
	2000 (August)	Four groundwater monitoring wells installed and sampled (MW1-MW4)	groundwater	TPHd, TPHg, VOCs	PSI
	2000 (November)	Groundwater monitoring event (MW1-MW4)	groundwater	TPHg, VOCs	PSI
	2001 (January)	Groundwater monitoring event (MW1-MW4)	groundwater	TPHd, TPHg, VOCs	PSI
	2001 (August)	Groundwater monitoring event (MW1-MW4)	groundwater	TPHg, VOCs	Geocon Consultants, Inc. (Geocon)
	2001 (October)	Three soil borings (up to 25ft bgs), groundwater grab samples, and groundwater sampling (MW1-MW4)	soil, groundwater	TPHd, TPHg, VOCs	PSI
	2001 (November)	Groundwater monitoring event (MW1-MW4)	groundwater	TPHg, BTEX, FOCS, VOCs	Geocon
	2002 (April)	Groundwater monitoring event (MW1-MW4)	groundwater	TPHg, VOCs	PSI
	2002 (July)	Groundwater monitoring event (MW1-MW4)	groundwater	TPHg, VOCs	PSI
	2002 (October)	Groundwater monitoring event (MW1-MW4)	groundwater	TPHg, VOCs	PSI
	2004	Groundwater monitoring event (MW1-MW4)	groundwater	TPHg, VOCs	PSI
	2005	Groundwater monitoring event (MW1-MW4)	groundwater	TPHg, BTEX, FOCs	Geocon
	2006	*Low Risk Case Closure Submission*	*na*	*na*	*Geocon*

Table 1
Prior Site Investigations
Latitude High School
1045 Derby Avenue
Oakland, California

Parcel	Year	Scope	Media Sampled	Analyses Conducted	Reference *
South	*2011*	*Groundwater well destruction (MW1-MW4)*	*na*	*na*	*Stantec*
	2018	3 indoor and 3 outdoor air samples	air	VOCs	Geocon
	2019 (July)	10 sub-slab probe, 9 indoor air, 1 crawl space, 3 outdoor air samples	Sub-slab vapor/ air	VOCs, fixed gases	Geocon
	2019 (early August)	10 sub-slab probe, 7 indoor air, 2 outdoor air samples	Sub-slab vapor/ air	VOCs, fixed gases	Geocon
	2019 (late August)	10 sub-slab probe, 7 indoor air, 2 outdoor air samples	Sub-slab vapor/ air	VOCs, fixed gases	Geocon
	2019 (September)	10 sub-slab probe, 7 indoor air, 2 outdoor air samples	Sub-slab vapor/ air	VOCs, fixed gases	Geocon
	2019 (October)	*Human Health Risk Assessment*	*na*	*na*	*Geosyntec*
	2020	10 sub-slab, 17 soil borings (15 ft bgs), four groundwater monitoring wells (EC-MW1 - EC-MW4)	Sub-slab vapor/ soil vapor / groundwater/ soil	Sub-slab/ Soil vapor: VOCs Soil & Groundwater: TPH, VOCs, metals	Geosyntec
	2021	10 sub-slab vapor samples	Sub-slab vapor	VOCs	Geosyntec
North	2007	3 soil borings (10 ft bgs)	soil	TPHg, TPHd, TPHo, SVOCs, PCBs, metals	Tec Accutite, Inc.
	2017	7 soil borings (10 ft bgs); 7 soil vapor probes	soil, soil vapor	Soil: PCBs, PAHs, LUFT metals; Soil Vapor: VOCs, fixed gases, naphthalene	ERAS Environmental, Inc.
	2020	14 soil borings (25 ft bgs)	soil	Pesticides, CAM metals, PCBs	Apex Companies, LLC

Notes:

ft bgs = feet below ground surface
TPHg = Total petroleum hydrocarbons as gasoline
TPHd = Total petroleum hydrocarbons as diesel
TPHo = Total petroleum hydrocarbons as oil
VOCs = Volatile organic compounds
FOCS = Fuel oxygenate compounds
PCBs = Polychlorinated biphynls
PAHs = Polycyclic aromatic hydrocarbons

LUFT metals = Leaking underground fuel tank metals (cadmium, chromium, lead, nickel, zinc)
Fixed gases = Oxygen, methane, carbon dioxide
CAM metals = Silver, arsenic, mercury, antimony, barium, beryllium, cadmium, chromium, cobalt, copper, lead, molybdenum, nickel, selenium, silver, thallium, vanadium, zinc.
SVOCs = Semi-volatile organic compounds
na = not applicable
* = See References Section

Table 2a
2020 Data Gaps Assessment Soil Sampling Data - Detected TPH, Pesticides, and VOCs
Latitude High School
1045 Derby Avenue
Oakland, California

Sample Location	Sample ID	Sample Date	Sample Depth (ft bgs)	TPHg (mg/kg)	TPHd (mg/kg)	TPHo (mg/kg)	p,p-DDT (mg/kg)	1,2-Dichloropropane (µg/kg)	sec-Butylbenzene (µg/kg)	Remaining Pesticides	Remaining VOCs
EC1	EC1-05	12/19/2020	5	< 0.50	6.0	28	NA	< 5.0	< 5.0	NA	ND
	EC1-10	12/19/2020	10	220	16	< 5.7	NA	160	120	NA	ND
EC2	EC2-05	12/18/2020	5	< 0.48	1.1	< 5.5	NA	< 4.8	< 4.8	NA	ND
	EC2-10	12/18/2020	10	< 0.47	< 1.2	< 5.8	NA	< 4.7	< 4.7	NA	ND
EC3	EC3-05	12/19/2020	5	< 0.44	< 1.1	< 5.7	NA	< 4.4	< 4.4	NA	ND
	EC3-10	12/19/2020	10	< 0.49	< 1.1	< 5.5	NA	< 4.9	< 4.9	NA	ND
EC4	EC4-05	12/18/2020	5	< 0.44	< 1.2	< 5.8	NA	< 4.4	< 4.4	NA	ND
	DUP-2	12/18/2020	5	< 0.450	NA	NA	NA	< 4.50	< 4.50	NA	ND
	EC4-10	12/18/2020	10	< 0.45	< 1.2	< 5.8	NA	< 4.5	< 4.5	NA	ND
EC5	EC5-05	12/18/2020	5	< 0.46	1.8	6.5	NA	< 4.6	< 4.6	NA	ND
	DUP-4	12/18/2020	5	< 0.620	NA	NA	NA	< 6.20	< 6.20	NA	ND
	EC5-10	12/18/2020	10	< 0.42	< 1.2	< 5.8	NA	< 4.2	< 4.2	NA	ND
EC6	EC6-05	12/18/2020	5	< 0.49	1.2	< 5.8	NA	< 4.9	< 4.9	NA	ND
	DUP-5	12/18/2020	5	< 0.510	NA	NA	NA	< 5.10	< 5.10	NA	ND
	EC6-10	12/18/2020	10	< 0.45	1.1	< 5.6	NA	< 4.5	< 4.5	NA	ND
EC-MW1	EC-MW1-05	12/17/2020	5	< 0.45	13	32	NA	< 4.5	< 4.5	NA	ND
	DUP-1	12/17/2020	5	< 0.47	**490**	1,100	NA	< 4.7	< 4.7	NA	ND
	EC-MW1-10	12/17/2020	10	< 0.43	1.1	< 5.7	NA	< 4.3	< 4.3	NA	ND
EC-MW2	EC-MW2-05	12/16/2020	5	< 0.41	< 1.1	< 5.5	NA	< 4.1	< 4.1	NA	ND
	EC-MW2-10	12/16/2020	10	< 0.46	< 1.2	< 5.8	NA	< 4.6	< 4.6	NA	ND
EC-MW3	EC-MW3-05	12/16/2020	5	< 0.44	47	180	NA	< 4.4	< 4.4	NA	ND
	EC-MW3-10	12/16/2020	10	< 0.38	< 1.1	< 5.5	NA	< 3.8	< 3.8	NA	ND
EC-MW4	EC-MW4-05	12/18/2020	5	< 0.47	250	260	NA	< 4.7	< 4.7	NA	ND
	EC-MW4-10	12/18/2020	10	< 0.45	< 1.2	< 5.8	NA	< 4.5	< 4.5	NA	ND
SB-8	SB-8-1	1/4/2021	1	NA	NA	NA	< 0.20	NA	NA	ND	NA
SB-9	SB-9-1	1/5/2021	1	NA	NA	NA	< 0.50	NA	NA	ND	NA
SB-10	SB-10-1	1/4/2021	1	NA	NA	NA	< 0.050	NA	NA	ND	NA
SB-11	SB-11-1	1/4/2021	1	NA	NA	NA	< 0.10	NA	NA	ND	NA
SB-12	SB-12-1	1/4/2021	1	NA	NA	NA	< 0.0010	NA	NA	ND	NA
SB-13	SB-13-1	1/4/2021	1	NA	NA	NA	< 0.020	NA	NA	ND	NA
SB-14	SB-14-1	1/4/2021	1	NA	NA	NA	< 0.050	NA	NA	ND	NA
SB-15	SB-15-1	1/4/2021	1	NA	NA	NA	0.084	NA	NA	ND	NA
SB-16	SB-16-1	1/4/2021	1	NA	NA	NA	< 0.0010	NA	NA	ND	NA
SB-17	SB-17-1	1/4/2021	1	NA	NA	NA	< 0.10	NA	NA	ND	NA
Screening Level	***2019 January SF RWQCB Construction Worker C ESL***			**-**	**-**	**-**	**57**	**99,000**	**-**	**-**	**-**
	2019 January SF RWQCB Construction Worker NC ESL			**1,800**	**1,100**	**54,000**	**140**	**66,000**	**-**	**-**	**-**

Notes:

<100	Compound not detected above reporting limt
100	Bold indicates compound detected above reporting limit.
100	Bold type & shaded indicates compound detected exceeds construction worker screening level
	- = no screening level available
	ND = not detected
	NA = not analyzed
	mg/kg = milligrams per kilogram
	µg/kg = micrograms per kilogram
	ft bgs = feet below ground surface

VOC = volatile organic compounds
TPHg = total petroleum hydrocarbon quantified as gasoline
TPHd = total petroleum hydrocarbon quantified as diesel
TPHo = total petroleum hydrocarbon quantified as oil
MTBE = methyl tertiary butyl ether
PCE = tetrachloroethene
ESL = Environmental Screening Level, San Francisco Bay Regional Water Quality Control Board (SFBRWQCB), 2019 (Rev 2) Screening Level
C = Carcinogenic risk
NC = Non-carcinogenic risk

Table 2b
2020 Data Gaps Assessment Soil Sampling Data - Phenols/Cresols and PCBs
Latitude High School
1045 Derby Avenue
Oakland, California

Sample Location	Sample ID	Sample Date	Sample Depth (ft bgs)	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethyl-phenol	2,4-Dinitrophenol	2-Chlorophenol	2-Cresol	2-Nitrophenol	4,6-Dinitro-ortho-cresol	4-Chloro-3-cresol
EC2	EC2-01	12/18/2020	1	< 20	< 20	< 20	< 20	< 97	< 20	< 20	< 20	< 97	< 20
	EC2-02	12/18/2020	2	< 1.9	< 1.9	< 1.9	< 1.9	< 9.4	< 1.9	< 1.9	< 1.9	< 9.4	< 1.9
SB-18	SB-18-5	1/5/2021	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-18-15	1/5/2021	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-18-25	1/5/2021	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-19	SB-19-5	1/5/2021	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-19-15	1/5/2021	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-19-25	1/5/2021	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-20	SB-20-5	1/5/2021	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-20-15	1/5/2021	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-20-25	1/5/2021	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-21	SB-21-5	1/5/2021	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-21-15	1/5/2021	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-21-25	1/5/2021	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Screening Level	***019 January SF RWQCB Construction Worker C ES***			**-**	**9.9**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
	19 January SF RWQCB Construction Worker NC ES			**7,800**	**78**	**230**	**1,600**	**160**	**390**	**-**	**-**	**-**	**-**

Notes:

	All results in milligrams per kilogram (mg/kg)
<100	Compound not detected above reporting limt
100	Bold indicates compound detected above reporting limit.
100	Bold type & shaded indicates compound detected exceeds construction worker screening level
	- = no screening level available
	ND = not detected
	NA = not analyzed
	NA = not analyzed
	mg/kg = milligrams per kilogram
	µg/kg = micrograms per kilogram
	ft bgs = feet below ground surface
	PCB = polychlorinated biphenyls
	ESL = Environmental Screening Level, San Francisco Bay Regional Water Quality Control Board (SFBRWQCB), 2019 (Rev 2) Screening Level
	C = Carcinogenic risk
	NC = Non-carcinogenic risk
	NC = Non-carcinogenic risk

Table 2b
2020 Data Gaps Assessment Soil Sampling Data - Phenols/Cresols and PCBs
Latitude High School
1045 Derby Avenue
Oakland, California

Sample Location	Sample ID	Sample Date	Sample Depth (ft bgs)	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260
EC2	EC2-01	12/18/2020	1	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038
	EC2-02	12/18/2020	2	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038
SB-18	SB-18-5	1/5/2021	5	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
	SB-18-15	1/5/2021	10	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
	SB-18-25	1/5/2021	25	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
SB-19	SB-19-5	1/5/2021	5	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
	SB-19-15	1/5/2021	10	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
	SB-19-25	1/5/2021	25	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
SB-20	SB-20-5	1/5/2021	5	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
	SB-20-15	1/5/2021	10	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
	SB-20-25	1/5/2021	25	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
SB-21	SB-21-5	1/5/2021	5	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
	SB-21-15	1/5/2021	10	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
	SB-21-25	1/5/2021	25	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Screening Level	***019 January SF RWQCB Construction Worker C ES***			**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**
	19 January SF RWQCB Construction Worker NC ES			**-**	**-**	**-**	**-**	**-**	**-**	**-**

Notes:

<100	Compound not detected above reporting limt
100	Bold indicates compound detected above reporting limit.
100	Bold type & shaded indicates compound detected exceeds construction worker screening level
	- = no screening level available
	ND = not detected
	NA = not analyzed
	NA = not analyzed
	mg/kg = milligrams per kilogram
	µg/kg = micrograms per kilogram
	ft bgs = feet below ground surface
	PCB = polychlorinated biphenyls
	ESL = Environmental Screening Level, San Francisco Bay Regional Water Quality Control Board (SFBRWQCB), 2019 (Rev 2) Screening Level
	C = Carcinogenic risk
	NC = Non-carcinogenic risk
	NC = Non-carcinogenic risk

Table 2c
2020 Data Gaps Assessment Soil Sampling Data - Detected Metals
Latitude High School
1045 Derby Avenue
Oakland, California

Sample Location	Sample ID	Sample Date	Sample Depth (ft bgs)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium
EC1	EC1-01	12/19/2020	1	< 2.3	6.7	240	0.64	< 0.23	68	13	23	18	< 0.051	< 2.3	81	< 2.3
	EC1-02	12/19/2020	2	< 2.3	5.2	190	0.64	< 0.23	79	18	23	9.1	< 0.052	< 2.3	100	< 2.3
EC2	EC2-01	12/18/2020	1	< 1.2	5.5	170	0.34	0.59	42	7.9	32	**290**	0.10	< 1.2	46	< 1.2
	EC2-02	12/18/2020	2	< 2.3	6.2	220	0.59	< 0.23	67	13	29	21	0.078	< 2.3	94	< 2.3
EC3	EC3-01	12/19/2020	1	< 2.4	4.7	220	0.56	< 0.24	69	13	28	14	0.046	< 2.4	90	< 2.4
	EC3-02	12/19/2020	2	< 2.3	5.8	200	0.56	< 0.23	70	18	26	9.9	0.067	< 2.3	92	< 2.3
EC4	EC4-01	12/18/2020	1	< 2.3	8.7	290	0.57	0.31	64	16	36	60	0.071	< 2.3	100	< 2.3
	EC4-02	12/18/2020	2	< 2.4	5.9	200	0.59	< 0.24	66	13	28	7.8	0.045	< 2.4	93	< 2.4
EC5	EC5-01	12/18/2020	1	< 2.3	5.8	160	0.48	< 0.23	51	11	50	52	0.080	< 2.3	72	< 2.3
	EC5-02	12/18/2020	2	< 2.6	7.7	240	0.80	< 0.26	81	17	39	12	0.091	< 2.6	120	< 2.6
EC6	EC6-01	12/18/2020	1	< 2.1	7.0	190	0.53	< 0.21	65	13	60	43	0.12	< 2.1	93	< 2.1
	EC6-02	12/18/2020	2	< 2.3	7.0	270	0.70	< 0.23	81	18	40	19	0.11	< 2.3	130	< 2.3
EC-MW1	EC-MW1-01	12/17/2020	1	< 2.4	9.7	280	0.76	< 0.24	72	**25**	31	10	0.072	< 2.4	140	< 2.4
	EC-MW1-02	12/17/2020	2	< 2.4	6.3	210	0.59	< 0.24	64	9.3	26	8.0	< 0.051	< 2.4	86	< 2.4
EC-MW2	EC-MW2-01	12/16/2020	1	< 2.4	6.8	210	0.59	< 0.24	63	12	29	12	0.054	< 2.4	76	< 2.4
	EC-MW2-02	12/16/2020	2	< 2.3	5.1	180	0.58	< 0.23	66	8.3	22	8.4	< 0.049	< 2.3	70	< 2.3
EC-MW3	EC-MW3-01	12/16/2020	1	< 2.3	5.4	160	0.54	< 0.23	66	13	22	13	0.11	< 2.3	87	< 2.3
	EC-MW3-02	12/16/2020	2	< 2.3	5.3	170	0.58	< 0.23	62	14	22	13	0.16	< 2.3	80	< 2.3
EC-MW4	EC-MW4-01	12/18/2020	1	< 2.3	8.5	200	0.61	< 0.23	74	22	24	9.4	0.057	< 2.3	110	< 2.3
	EC-MW4-02	12/18/2020	2	< 2.3	6.3	210	0.73	< 0.23	88	13	26	9.6	< 0.051	< 2.3	89	< 2.3
	DUP-3	12/18/2020	2	< 2.4	6.4	210	0.75	< 0.24	81	14	26	9.7	< 0.050	< 2.4	83	< 2.4
SB-8	SB-8-1	1/4/2021	1	6.9	**91**	220	< 0.50	0.94	50	**24**	100	**280**	0.57	5.3	64	0.84
	SB-8-3	1/4/2021	3	0.74	**13**	250	0.50	< 0.50	53	19	23	16	0.11	1.1	97	1.6
SB-9	SB-9-1	1/5/2021	1	1.5	**12**	140	< 0.50	< 0.50	38	11	70	**150**	0.19	1.5	45	0.96
	SB-9-3	1/5/2021	3	2.2	**85**	170	0.50	< 0.50	57	11	26	17	0.12	< 0.50	78	1.1
SB-10	SB-10-1	1/4/2021	1	5.2	**110**	220	< 0.50	0.80	49	11	78	**200**	0.36	1.2	65	0.86
	SB-10-3	1/4/2021	3	< 0.50	9.0	170	0.53	< 0.50	56	14	22	8.2	< 0.050	< 0.50	78	1.2
SB-11	SB-11-1	1/4/2021	1	3.1	**19**	65	< 0.50	0.58	28	14	150	68	0.15	10	36	< 0.50
	SB-11-3	1/4/2021	3	0.74	**24**	170	< 0.50	< 0.50	65	17	19	10	< 0.050	< 0.50	85	0.98
SB-12	SB-12-1	1/4/2021	1	4.4	**140**	130	< 0.50	0.88	46	8.9	130	**120**	0.24	1.7	62	1.1
	SB-12-3	1/4/2021	3	0.79	**14**	230	0.53	< 0.50	60	15	29	9.8	< 0.050	0.75	98	1.2
SB-13	SB-13-1	1/4/2021	1	**16**	**450**	180	< 0.50	2.2	56	10	210	**240**	0.14	1.4	74	< 0.50
	SB-13-3	1/4/2021	3	< 0.50	9.8	290	0.51	< 0.50	48	20	26	7.9	< 0.050	0.77	110	0.60
SB-14	SB-14-1	1/4/2021	1	9.2	**280**	140	< 0.50	0.68	37	12	110	**150**	0.15	2.7	51	0.86
	SB-14-3	1/4/2021	3	0.72	**17**	180	0.56	< 0.50	65	11	30	11	0.069	0.64	110	2.0
SB-15	SB-15-1	1/4/2021	1	**19**	**440**	160	< 0.50	3.6	84	10	270	**470**	0.17	8.5	73	< 0.50
	SB-15-2.5	1/4/2021	2.5	0.93	**18**	110	< 0.50	< 0.50	56	9.2	25	21	0.66	< 0.50	92	1.4
SB-16	SB-16-1	1/4/2021	1	3.7	**150**	83	< 0.50	< 0.50	39	8.2	61	61	0.052	5.7	56	< 0.50
	SB-16-3	1/4/2021	3	0.63	**14**	170	< 0.50	< 0.50	50	11	28	9.1	0.066	0.65	92	0.88
SB-17	SB-17-1	1/4/2021	1	7.7	**200**	190	< 0.50	1.6	53	9.0	93	**310**	0.24	2.0	58	0.78
	SB-17-3	1/4/2021	3	0.75	**23**	210	0.56	< 0.50	54	14	29	9.0	0.060	0.68	100	1.7
Screening Levels	***2019 January SF RWQCB Construction Worker C ESL***			**-**	**2.0**	**-**	**180**	**110**	**-**	**49**	**-**	**2,700**	**-**	**-**	**1,700**	**-**
	2019 January SF RWQCB Construction Worker NC ESL			**50**	**0.98**	**3,000**	**27**	**51**	**-**	**28**	**14,000**	**160**	**44**	**1,800**	**86**	**1,700**
	Background Level[1]			**-**	**11**	**-**	**-**	**-**	**100**	**-**	**-**	**-**	**-**	**-**	**164**	**-**

Notes:
All results in milligrams per kilogram (mg/kg)
<100 Compound not detected above reporting limt
100 Bold indicates compound detected above reporting limit.
100 Bold type & shaded indicates compound detected exceeds construction worker screening level
- = no screening level available
mg/kg = milligrams per kilogram
ft bgs = feet below ground surface
ESL = Environmental Screening Level, San Francisco Bay Regional Water Quality Control Board (SFBRWQCB), 2019 (Rev 2) Screening Level
C = Carcinogenic risk
NC = Non-carcinogenic risk
[1] = Background Levels based on the following:
Duvergé, D.J., 2011. Establishing Background Arsenic in Soil of the Urbanized San Francisco Bay Region. Master's thesis, San Francisco State University.
Diamond, et al., 2009. Analysis of Background Distributions of metals in the soil at Lawrence Berkeley National Laboratory.

Table 2c
2020 Data Gaps Assessment Soil Sampling Data - Detected Metals
Latitude High School
1045 Derby Avenue
Oakland, California

Sample Location	Sample ID	Sample Date	Sample Depth (ft bgs)	Silver	Thallium	Vanadium	Zinc
EC1	EC1-01	12/19/2020	1	< 0.59	< 2.3	46	49
	EC1-02	12/19/2020	2	< 0.58	< 2.3	48	47
EC2	EC2-01	12/18/2020	1	< 0.30	< 1.2	30	160
	EC2-02	12/18/2020	2	< 0.57	< 2.3	45	56
EC3	EC3-01	12/19/2020	1	< 0.59	< 2.4	45	53
	EC3-02	12/19/2020	2	< 0.58	< 2.3	52	52
EC4	EC4-01	12/18/2020	1	< 0.57	< 2.3	49	110
	EC4-02	12/18/2020	2	< 0.61	< 2.4	44	51
EC5	EC5-01	12/18/2020	1	< 0.58	< 2.3	42	110
	EC5-02	12/18/2020	2	< 0.66	< 2.6	58	84
EC6	EC6-01	12/18/2020	1	< 0.53	< 2.1	48	80
	EC6-02	12/18/2020	2	< 0.58	< 2.3	54	74
EC-MW1	EC-MW1-01	12/17/2020	1	< 0.61	< 2.4	51	68
	EC-MW1-02	12/17/2020	2	< 0.59	< 2.4	42	45
EC-MW2	EC-MW2-01	12/16/2020	1	< 0.60	< 2.4	47	69
	EC-MW2-02	12/16/2020	2	< 0.58	< 2.3	44	41
EC-MW3	EC-MW3-01	12/16/2020	1	< 0.58	< 2.3	44	50
	EC-MW3-02	12/16/2020	2	< 0.57	< 2.3	46	49
EC-MW4	EC-MW4-01	12/18/2020	1	< 0.58	< 2.3	46	53
	EC-MW4-02	12/18/2020	2	< 0.59	< 2.3	51	54
	DUP-3	12/18/2020	2	< 0.59	< 2.4	48	52
SB-8	SB-8-1	1/4/2021	1	< 0.50	< 0.50	38	590
	SB-8-3	1/4/2021	3	< 0.50	< 0.50	39	69
SB-9	SB-9-1	1/5/2021	1	< 0.50	< 0.50	50	160
	SB-9-3	1/5/2021	3	< 0.50	< 0.50	37	85
SB-10	SB-10-1	1/4/2021	1	< 0.50	< 0.50	36	280
	SB-10-3	1/4/2021	3	< 0.50	< 0.50	40	40
SB-11	SB-11-1	1/4/2021	1	< 0.50	< 0.50	40	220
	SB-11-3	1/4/2021	3	< 0.50	< 0.50	41	42
SB-12	SB-12-1	1/4/2021	1	< 0.50	< 0.50	37	300
	SB-12-3	1/4/2021	3	< 0.50	< 0.50	41	56
SB-13	SB-13-1	1/4/2021	1	< 0.50	**0.84**	29	240
	SB-13-3	1/4/2021	3	< 0.50	< 0.50	40	45
SB-14	SB-14-1	1/4/2021	1	< 0.50	**0.79**	31	260
	SB-14-3	1/4/2021	3	< 0.50	< 0.50	43	73
SB-15	SB-15-1	1/4/2021	1	< 0.50	0.68	29	440
	SB-15-2.5	1/4/2021	2.5	< 0.50	< 0.50	31	61
SB-16	SB-16-1	1/4/2021	1	< 0.50	< 0.50	27	130
	SB-16-3	1/4/2021	3	< 0.50	< 0.50	35	63
SB-17	SB-17-1	1/4/2021	1	< 0.50	**1.2**	36	250
	SB-17-3	1/4/2021	3	< 0.50	< 0.50	37	67
Screening Levels	***2019 January SF RWQCB Construction Worker C ESL***			**-**	**-**	**-**	**-**
	2019 January SF RWQCB Construction Worker NC ESL			**1,800**	**3.5**	**470**	**110,000**
	Background Level[1]			**-**	**-**	**-**	**-**

Notes:

<100	Compound not detected above reporting limt
100	Bold indicates compound detected above reporting limit.
100	Bold type & shaded indicates compound detected exceeds construction worker screening level

- = no screening level available
mg/kg = milligrams per kilogram
ft bgs = feet below ground surface
ESL = Environmental Screening Level, San Francisco Bay Regional Water Quality Control Board (SFBRWQCB), 2019 (Rev 2) Screening Level
C = Carcinogenic risk
NC = Non-carcinogenic risk
[1] = Background Levels based on the following:
Duvergé, D.J., 2011. Establishing Background Arsenic in Soil of the Urbanized San Francisco Bay Region. Master's thesis, San Francisco State University.
Diamond, et al., 2009. Analysis of Background Distributions of metals in the soil at Lawrence Berkeley National Laboratory.

Table 3a
Historical Soil Sampling Data - Southern Parcel
Latitude High School
1045 Derby Avenue
Oakland, California

Sample Location	Sample Date	Sample Depth (ft bgs)	TPHg (mg/kg)	TPHd (mg/kg)	Lead (mg/kg)	Benzene (µg/kg)	Toluene (µg/kg)	Ethylbenzene (µg/kg)	Xylenes (µg/kg)	MTBE (µg/kg)	PCE (µg/kg)
S-FE	5/14/1993	6.5	<1	<2	NA	<2.5	<2.5	<2.5	<2.5	NA	NA
S-PE	5/14/1993	6.5	1.4	5.6	NA	<2.5	<2.5	<2.5	6.5	NA	NA
S-P	5/14/1993	2.6	<1	2.2	NA	<2.5	<2.5	<2.5	<2.5	NA	NA
S-SP	5/14/1993	1	<1	<1	NA	<2.5	<2.5	<2.5	<2.5	NA	NA
CAL-OAK-STP1	3/11/2097	(stockpile)	*2.30*	*18*	*8.7*	<5	<5	*7.20*	*145*	*293*	*NA*
CAL-OAK-STP2	3/11/2097		*2.40*	*33*	*<5.0*	<5	*15*	*5.40*	*76*	*125*	*NA*
CAL-OAK-STP3	3/11/2097		*4.40*	*20*	*<5.0*	<5	<5	*11*	*280*	<5	*NA*
CAL-OAK-STP4	3/11/2097		*1.20*	*18*	*<5.0*	<5	<5	<5	*43*	*52*	*NA*
CAL-OAK-UNL-N	3/11/2097	10	380	NA	<5.0	**1,650**	11,880	**8,040**	48,860	9,150	NA
CAL-OAK-UNL-S	3/11/2097	10	<1.0	NA	<5.0	75	<5	10	<5	380	NA
CAL-OAK-DIS-N	3/11/2097	10	NA	4.9	<5.0	<5	<5	<5	<5	112	NA
CAL-OAK-DIS-S	3/11/2097	10	NA	21	<5.0	<5	<5	<5	<5	41	NA
B1	4/6/2099	5	<1.0	<10	NA	<1	<1	<1	<3	<5	ND
	4/6/2099	10	<1.0	<10	NA	<1	<1	<1	<3	<5	ND
B2	4/6/2099	5	<1.0	<10	NA	<1	<1	<1	<3	<5	ND
	4/6/2099	10	<1.0	<10	NA	<1	<1	<1	<3	<5	ND
B3	4/6/2099	5	<1.0	<10	NA	<1	<1	<1	<3	<5	ND
	4/6/2099	10	<1.0	<10	NA	<1	<1	<1	<3	<5	ND
B4	4/7/2099	5	<1.0	<10	NA	<1	<1	<1	<3	<5	ND
	4/7/2099	10	<1.0	<10	NA	<1	<1	<1	<3	<5	ND
B5	4/7/2099	5	<1.0	<10	NA	<1	<1	<1	<3	160	ND
	4/7199	10	<1.0	<10	NA	<1	<1	<1	<3	<5	ND
B6	4/7199	5	<1.0	<10	NA	<1	<1	<1	<3	<5	ND
	417/99	10	13	<10	NA	<1	<1	<1	<3	<5	ND
B7	8/13/2099	5	<0.50	<10	NA	<1	<1	<1	<3	<5	<1
	8/13/2099	10	<0.50	<10	NA	<1	<1	<1	<3	<5	<1
	8/13/2099	15	<0.50	<10	NA	<1	<1	<1	<3	<5	<1
	8/13/2099	20	<0.50	<10	NA	<1	<1	<1	<3	<5	<1
	8/13/2099	25	<0.50	<10	NA	<1	<1	<1	<3	93	<1
B8	8/13/2099	5	<0.50	<10	NA	<1	<1	<1	<3	<5	<1
	8/13/2099	10	<0.50	<10	NA	<1	<1	**<1**	<3	11	1
	8/13/1999	15	<0.50	<10	NA	<1	<1	<1	<3	<5	<1
	8/13/1999	20	<0.50	<10	NA	<1	<1	<1	<3	<5	<1
B9	8/13/1999	5	<0.50	<10	NA	<1	<1	<1	<3	<5	1
	8/13/2099	10	<0.50	<10	NA	<1	<1	<1	<3	<5	<1
	8/13/2099	15	0.54	<10	NA	<1	<1	<1	<3	<5	<1

Table 3a
Historical Soil Sampling Data - Southern Parcel
Latitude High School
1045 Derby Avenue
Oakland, California

Sample Location	Sample Date	Sample Depth (ft bgs)	TPHg (mg/kg)	TPHd (mg/kg)	Lead (mg/kg)	Benzene (µg/kg)	Toluene (µg/kg)	Ethylbenzene (µg/kg)	Xylenes (µg/kg)	MTBE (µg/kg)	PCE (µg/kg)
MW1	6/8/2000	5	<0.5	NA	NA	<1	<1	<1	<3	<5	<1
	6/8/2000	10	<0.5	NA	NA	<1	<1	<1	<3	76	<1
	6/8/2000	15	<0.5	NA	NA	<1	<1	<1	<3	55	<1
	6/8/2000	20	<0.5	NA	NA	<1	<1	<1	<3	62	<1
	6/8/2000	25	<0.5	NA	NA	<1	<1	<1	<3	<5	<1
MW2	6/8/2000	5	<0.5	NA	NA	<1	<1	<1	<3	<5	<1
	6/8/2000	10	<0.5	NA	NA	<1	<1	<1	<3	<5	<1
	6/8/2000	15	<0.5	NA	NA	<1	<1	<1	<3	100	<1
MW3	6/8100	5	<0.5	23	NA	<1	<1	<1	<3	<5	<1
	6/8/2000	10	<0.5	10	NA	<1	<1	<1	<3	520	<1
	6/8/2000	15	<0.5	<10	NA	<1	<1	<1	<3	150	<1
	6/8/2000	20	<0.5	<10	NA	<1	<1	<1	<3	200	<1
MW4	6/8/2000	5	<0.5	NA	NA	<1	<1	<1	<3	<5	<1
	6/8/2000	10	<0.5	NA	NA	<1	<1	<1	<3	<5	<1
	6/8/2000	15	<0.5	NA	NA	<1	<1	<1	<3	<5	<1
	6/8/2000	20	<0.5	NA	NA	<1	<1	<1	<3	<5	<1
	6/8/2000	25	<0.5	NA	NA	<1	<1	<1	<3	<5	<1
B-10 (WB-10)	8/24/2001	5	<1.0	NA	NA	<5.0	<5.0	<5.0	<10.0	<10	<5
	8/24/2001	10	<1.0	NA	NA	<5.0	<5.0	<5.0	<10.0	<10	<5
	8/24/2001	25	<1.0	NA	NA	<5.0	<5.0	<5.0	<10.0	<10	<5
	8/24/2001	20	<1.0	NA	NA	<5.0	<5.0	<5.0	<10.0	<10	<5
	8/24/2001	25	<1.0	NA	NA	<5.0	<5.0	<5.0	<10.0	<10	<5
B-11 (WB-11)	8/24/2001	5	<1.0	NA	NA	<5.0	<5.0	<5.0	<10.0	<10	<5
	8/24/2001	10	<1.0	NA	NA	<5.0	<5.0	<5.0	<10.0	<10	<5
	8/24/2001	15	<1.0	NA	NA	<5.0	<5.0	<5.0	<10.0	<10	<5
B-12 (WB-12)	8/24/2001	5	<1.0	NA	NA	<5.0	<5.0	<5.0	<10.0	<10	<5
	8/24/2001	10	<1.0	NA	NA	<5.0	<5.0	<5.0	<10.0	<10	<5
	8/24/2001	15	<1.0	NA	NA	<5.0	<5.0	<5.0	<10.0	<10	<5
Screening Level	***2019 January SF RWQCB Construction Worker C ESL***		**-**	**-**	**2,700**	**45,000**	**-**	**540,000**	**-**	**4,100,000**	**33,000**
	2019 January SF RWQCB Construction Worker NC ESL		**2,000**	**1,200**	**160**	**33,000**	**4,700,000**	**15,000,000**	**2,400,000**	**65,000,000**	**350,000**

Notes:

<100	Compound not detected above reporting limt
100	Bold indicates compound detected above reporting limit.
100	Bold type & shaded indicates compound detected exceeds construction worker screening level
100	Results in italics indicate impacted soil was excavated and disposed off-Site
	- = no screening level available
	ND = not detected
	NA = not analyzed
	mg/kg = milligrams per kilogram

µg/kg = micrograms per kilogram
ft bgs = feet below ground surface
PCE = tetrachloroethene
TPHg/d = total petroleum hydrocarbon quantified as gasoline/diesel
MTBE = methyl tertiary butyl ether
ESL = Environmental Screening Level, San Francisco Bay Regional Water Quality Control Board (SFBRWQCB), 2019 (Rev 2) Screening Level
C = Carcinogenic risk
NC = Non-carcinogenic risk

Table 3b
Historical Soil Sampling Data - Northern Parcel
Latitude High School
1045 Derby Avenue
Oakland, California

Sample Location	Sample Date	Sample Depth (ft bgs)	TPHg (mg/kg)	TPHd (mg/kg)	Benzene (µg/kg)	Toluene (µg/kg)	Ethylbenzene (µg/kg)	Xylenes (µg/kg)	MTBE (µg/kg)	PCBs (mg/kg)	Naphthalene (mg/kg)	Benzo(a)-anthracene (mg/kg)	Benzo(a)-pyrene (mg/kg)	Benzo(b)-fluoranthene (mg/kg)	Benzo(g,h,i)-perylene (mg/kg)
B-3	6/6/2007	12	<0.1	<2.0	**10,700**	ND	ND	ND	NA	ND	<0.33	ND	ND	ND	ND
B-4	6/6/2007	14	<0.1	<2.0	<4,000	ND	ND	ND	NA	0.272*	<0.33	ND	ND	ND	ND
B-5	6/6/2007	8	<0.1	<2.0	<4,000	ND	ND	ND	NA	ND	<0.33	ND	ND	ND	ND
SB-1	6/14/2017	3.5-4	NA	NA	NA	NA	NA	NA	NA	<0.050	<0.010	<0.0017	<0.027	<0.0015	<0.0033
		9.5-10	NA	NA	NA	NA	NA	NA	NA	<0.050	<0.010	<0.0017	<0.027	<0.0015	<0.0033
SB-2	6/14/2017	3.5-4	NA	NA	NA	NA	NA	NA	NA	<0.050	<0.010	<0.0017	<0.027	<0.0015	<0.0033
		9.5-10	NA	NA	NA	NA	NA	NA	NA	<0.050	0.0016 J	<0.0017	<0.027	<0.0015	<0.0033
SB-3	6/14/2017	3.5-4	NA	NA	NA	NA	NA	NA	NA	<0.050	0.0021 J	<0.0017	<0.027	<0.0015	<0.0033
		9.5-10	NA	NA	NA	NA	NA	NA	NA	<0.050	<0.020	<0.0017	<0.027	<0.0015	<0.0033
SB-4	6/14/2017	3.5-4	NA	NA	NA	NA	NA	NA	NA	<0.050	<0.010	<0.0017	<0.027	<0.0015	<0.0033
		9.5-10	NA	NA	NA	NA	NA	NA	NA	<0.050	0.0017 J	<0.0017	<0.027	<0.0015	<0.0033
SB-5	6/14/2017	3.5-4	NA	NA	NA	NA	NA	NA	NA	<0.050	<0.010	<0.0017	<0.027	<0.0015	<0.0033
		9.5-10	NA	NA	NA	NA	NA	NA	NA	<0.050	0.0020 J	0.0080 J	<0.027	0.0036 J	0.0045 J
SB-6	6/14/2017	3.5-4	NA	NA	NA	NA	NA	NA	NA	<0.050	<0.010	<0.0017	<0.027	<0.0015	<0.0033
		9.5-10	NA	NA	NA	NA	NA	NA	NA	<0.050	<0.010	<0.0017	<0.027	<0.0015	<0.0033
SB-7	6/14/2017	3.5-4	NA	NA	NA	NA	NA	NA	NA	<0.050	<0.010	<0.0017	<0.027	<0.0015	<0.0033
		9.5-10	NA	NA	NA	NA	NA	NA	NA	0.040 J	<0.010	<0.0017	0.0053 J	<0.0015	0.012
Screening Level	***2019 January SF RWQCB Construction Worker C ESL***		**-**	**-**	**45,000**	**-**	**540,000**	**-**	**4100000**	**5.5**	**400**	**110**	**11**	**110**	**-**
	2019 January SF RWQCB Construction Worker NC ESL		**2,000**	**1,200**	**33,000**	**4,700,000**	**15,000,000**	**2,400,000**	**65,000,000**	**-**	**500**	**-**	**10**	**-**	**-**
	Background Level [1]		**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Notes:

<100	Compound not detected above reporting limt
100	Bold indicates compound detected above reporting limit.
100	Bold type & shaded indicates compound detected exceeds construction worker screening level

- = no screening level available
J = Estimated value that is less than the laboratory reporting limit but equal to or greater than the laboratory method detection limit.
ND = not detected
NA = not analyzed
mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram
ft bgs = feet below ground surface
VOC = volatile organic compounds
TPHg = total petroleum hydrocarbon quantified as gasoline
TPHd = total petroleum hydrocarbon quantified as diesel
TPHo = total petroleum hydrocarbon quantified as oil
MTBE = methyl tertiary butyl ether
PCB = polychlorinated biphenyls
PCE = tetrachloroethene
ESL = Environmental Screening Level, San Francisco Bay Regional Water Quality Control Board (SFBRWQCB), 2019 (Rev 2) Screening Level
C = Carcinogenic risk
NC = Non-carcinogenic risk

Table 3b
Historical Soil Sampling Data - Northern Parcel
Latitude High School
1045 Derby Avenue
Oakland, California

Sample Location	Sample Date	Sample Depth (ft bgs)	Benzo(k)-fluoranthene (mg/kg)	Chrysene (mg/kg)	Fluoranthene (mg/kg)	Phenanthrene (mg/kg)	Pyrene (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Silver (mg/kg)	Zinc (mg/kg)
B-3	6/6/2007	12	ND	ND	ND	ND	ND	2.7	62	73	45	81	<1.0	140
B-4	6/6/2007	14	ND	ND	ND	ND	ND	<1.0	95	33	6.9	**180**	<1.0	52
B-5	6/6/2007	8	ND	ND	ND	ND	ND	<1.0	41	28	12	**92**	<1.0	55
SB-1	6/14/2017	3.5-4	<0.0016	<0.0024	<0.0040	<0.0016	<0.0045	<0.058	79	NA	8.3	72	NA	47
		9.5-10	<0.0016	<0.0024	<0.0040	<0.0016	<0.0045	0.11 J	71	NA	7.9	83	NA	56
SB-2	6/14/2017	3.5-4	<0.0016	<0.0024	<0.0040	<0.0016	<0.0045	<0.058	70	NA	7.6	72	NA	43
		9.5-10	<0.0016	<0.0024	<0.0040	<0.0016	<0.0045	0.13 J	50	NA	6.4	90	NA	46
SB-3	6/14/2017	3.5-4	<0.0016	<0.0024	<0.0040	<0.0016	<0.0045	0.098 J	52	NA	6.9	110	NA	49
		9.5-10	<0.0016	<0.0024	<0.0040	<0.0016	<0.0045	0.12 J	54	NA	7.1	81	NA	49
SB-4	6/14/2017	3.5-4	<0.0016	<0.0024	<0.0040	<0.0016	<0.0045	<0.058	59	NA	6.6	72	NA	41
		9.5-10	<0.0016	<0.0024	<0.0040	<0.0016	<0.0045	0.14	110	NA	7.7	130	NA	52
SB-5	6/14/2017	3.5-4	<0.0016	<0.0024	<0.0040	<0.0016	<0.0045	0.092 J	63	NA	7.6	74	NA	48
		9.5-10	0.0023 J	0.0026 J	0.0048 J	0.0042 J	0.0059 J	0.13 J	60	NA	21.0	75	NA	55
SB-6	6/14/2017	3.5-4	<0.0016	<0.0024	<0.0040	<0.0016	<0.0045	0.096 J	70	NA	8.5	120	NA	51
		9.5-10	<0.0016	<0.0024	<0.0040	<0.0016	<0.0045	0.13 J	75	NA	14.0	94	NA	66
SB-7	6/14/2017	3.5-4	<0.0016	<0.0024	<0.0040	<0.0016	<0.0045	0.12 J	70	NA	9.3	120	NA	62
		9.5-10	<0.0016	0.0026 J	<0.0040	<0.0016	<0.0045	0.20 J	71	NA	27.0	100	NA	120
Screening Level	***2019 January SF RWQCB Construction Worker C ESL***		**910**	**9,100**	**-**	**-**	**-**	**110**	**-**	**14,000**	**2,700**	**1,700**		**-**
	2019 January SF RWQCB Construction Worker NC ESL		**-**	**-**	**6,700**	**-**	**5,000**	**51**	**530,000**	**-**	**160**	**86**	**1,800**	**110,000**
	Background Level [1]		**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**		**-**

Notes:

<100	Compound not detected above reporting limt
100	Bold indicates compound detected above reporting limit.
100	Bold type & shaded indicates compound detected exceeds construction worker screening level

- = no screening level available
J = Estimated value that is less than the laboratory reporting limit but equal to or greater than the laboratory method detection limit.
ND = not detected
NA = not analyzed
mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram
ft bgs = feet below ground surface
VOC = volatile organic compounds
TPHg = total petroleum hydrocarbon quantified as gasoline
TPHd = total petroleum hydrocarbon quantified as diesel
TPHo = total petroleum hydrocarbon quantified as oil
MTBE = methyl tertiary butyl ether
PCB = polychlorinated biphenyls
PCE = tetrachloroethene
ESL = Environmental Screening Level, San Francisco Bay Regional Water Quality Control Board (SFBRWQCB), 2019 (Rev 2) Screening Level
C = Carcinogenic risk
NC = Non-carcinogenic risk

Table 4
2020 Data Gaps Assessment Sampling Soil Vapor Sampling Data - Detected VOCs
Latitude High School
1045 Derby Avenue
Oakland, California

Sample Location	Sample Date	2,2,4-Trimethyl-pentane (Isoctane)	Acetone	Benzene, (1-methylethyl)-	Benzene	Carbon Disulfide	Chloroform	Cyclohexane	Freon 11	Heptane	Hexane	Isopropyl Alcohol	m&p-Xylenes	o-Xylene
EC-1	12/21/2020	< 5.6	**76**	29	< 3.9	24	< 5.9	< 4.2	< 6.8	< 5.0	340	< 12	< 5.2	< 5.2
	2/12/2021	< 110	< 220	< 120	< 75	< 290	< 110	9,600	< 130	5,100	1,200	< 230	< 100	< 100
EC-2	12/21/2020	16	**31**	< 6.2	< 4.0	< 16	**10**	7.0	< 7.1	< 5.2	8.7	< 12	< 5.5	< 5.5
	12/21/2020*	**16**	**38**	< 6.1	< 3.9	< 15	**9.4**	5.8	< 6.9	< 5.1	8.2	< 12	< 5.4	< 5.4
	2/12/2021	< 5.6	< 28	< 5.8	< 3.8	< 15	< 5.8	< 4.1	< 6.7	< 4.9	< 4.2	24	< 5.2	< 5.2
	2/12/2021*	< 5.6	< 28	< 5.8	< 3.8	< 15	< 5.8	< 4.1	< 6.7	< 4.9	< 4.2	< 12	< 5.2	< 5.2
EC-3	12/21/2020	< 5.9	< 30	6.5	**4.3**	100	< 6.2	*6.4*	< 7.1	7.0	8.4	< 12	< 5.5	< 5.5
	2/12/2021	< 5.6	< 29	< 5.9	< 3.8	< 15	< 5.9	< 4.1	8.2	< 4.9	< 4.2	< 12	< 5.2	< 5.2
EC-4	12/21/2020	11	**32**	9.3	**8.1**	< 15	**7.9**	*4.4*	< 6.8	< 5.0	5.1	< 12	< 5.2	< 5.2
	2/12/2021	< 5.5	< 28	< 5.8	< 3.8	< 15	< 5.8	< 4.1	< 6.6	< 4.8	< 4.2	< 12	< 5.1	< 5.1
EC-5	12/21/2020	< 5.6	**57**	< 5.9	< 3.9	33	< 5.9	*14*	< 6.8	< 5.0	6.5	< 12	< 5.2	< 5.2
	2/12/2021	< 5.6	< 29	< 5.9	< 3.8	< 15	< 5.9	*6.0*	< 6.8	< 4.9	< 4.2	< 12	< 5.2	< 5.2
EC-6	12/21/2020	< 5.6	< 28	6.3	**8.0**	< 15	< 5.8	< 4.1	< 6.7	< 4.9	< 4.2	< 12	< 5.2	< 5.2
	2/12/2021	< 5.4	< 27	< 5.6	< 3.7	< 14	< 5.6	< 4.0	< 6.5	< 4.7	< 4.0	< 11	< 5.0	< 5.0
EC-7	12/21/2020	< 5.9	< 30	< 6.2	< 4.0	< 16	**9.5**	< 4.3	< 7.1	< 5.2	< 4.4	< 12	< 5.5	< 5.5
	2/12/2021	< 5.5	< 28	< 5.8	< 3.8	< 15	< 5.8	< 4.1	< 6.6	< 4.8	< 4.2	< 12	< 5.1	< 5.1
EC-8	12/21/2020	< 5.6	< 28	9.7	**15**	< 15	< 5.8	*4.5*	< 6.7	< 4.9	< 4.2	< 12	< 5.2	< 5.2
	2/12/2021	< 5.6	< 28	< 5.9	< 3.8	< 15	< 5.8	< 4.1	< 6.7	< 4.9	< 4.2	< 12	< 5.2	< 5.2
EC-9	12/21/2020	< 5.6	< 29	6.4	**8.2**	< 15	< 5.9	*9.8*	8.5	7.9	14	< 12	< 5.2	< 5.2
	2/12/2021	< 5.5	**45**	< 5.8	< 3.8	< 15	< 5.8	< 4.1	7.6	< 4.8	< 4.2	34	12	5.1
EC-10	12/21/2020	7.8	< 31	30	**58**	< 16	**18**	*7.9*	< 7.2	< 5.3	5.8	< 13	< 5.6	< 5.6
	2/12/2021	< 5.9	< 30	< 6.2	< 4.0	< 16	< 6.1	< 4.3	< 7.0	< 5.1	< 4.4	< 12	< 5.4	< 5.4
Screening Level	***2019 January SF RWQCB Commercial C ESL***	**-**	**-**	**-**	**14**	**-**	**18**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
	2019 January SF RWQCB Commercial NC ESL	**-**	**4,500,000**	**-**	**440**	**-**	**14,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Notes

	All results in micrograms per cubic meter ($\mu g/m^3$)
<100	Compound not detected above reporting limt
100	Bold indicates compound detected above reporting limit.
100	Bold type & shaded indicates compound detected exceeds commercial screening level
	- = no screening level available
	NA = not analyzed
	TPHg = total petroleum hydrocarbon quantified as gasoline
	ESL = Environmental Screening Level, San Francisco Bay Regional Water Quality Control Board (SFBRWQCB), 2019 (Rev 2) Screening Level
	C = Carcinogenic risk
	NC = Non-carcinogenic risk

Table 4
2020 Data Gaps Assessment Sampling Soil Vapor Sampling Data - Detected VOCs
Latitude High School
1045 Derby Avenue
Oakland, California

Sample Location	Sample Date	Tetrachloroethene (PCE)	Trichloroethene (TCE)	Toluene	TPHg	Carbon Dioxide	Methane	Oxygen
EC-1	12/21/2020	< 8.2	< 6.5	< 4.6	NA	NA	NA	NA
	2/12/2021	< 160	< 130	< 88	3,800,000	10	*0.21*	3.6
EC-2	12/21/2020	< 8.5	< 6.8	5.1	NA	NA	NA	NA
	12/21/2020*	< 8.4	< 6.6	< 4.6	NA	NA	NA	NA
	2/12/2021	10	< 6.4	< 4.5	< 490	6.8	< 0.00024	13
	2/12/2021*	10	< 6.4	< 4.5	< 490	7.0	< 0.00024	13
EC-3	12/21/2020	**35**	15	12	NA	NA	NA	NA
	2/12/2021	**50**	< 6.5	< 4.5	< 490	3.2	< 0.00024	17
EC-4	12/21/2020	< 8.2	< 6.5	< 4.6	NA	NA	NA	NA
	2/12/2021	< 8.0	< 6.3	< 4.4	< 480	1.6	< 0.00024	18
EC-5	12/21/2020	< 8.2	< 6.5	< 4.6	NA	NA	NA	NA
	2/12/2021	< 8.2	< 6.5	< 4.5	1,200	7.6	*0.018*	1.5
EC-6	12/21/2020	< 8.1	< 6.4	< 4.5	NA	NA	NA	NA
	2/12/2021	< 7.8	< 6.2	< 4.3	< 470	3.9	< 0.00023	16
EC-7	12/21/2020	< 8.5	< 6.8	< 4.7	NA	NA	NA	NA
	2/12/2021	< 8.0	< 6.4	< 4.5	< 480	13	< 0.00024	4.6
EC-8	12/21/2020	< 8.1	< 6.4	< 4.5	NA	NA	NA	NA
	2/12/2021	< 8.1	< 6.4	< 4.5	< 490	4.3	< 0.00024	16
EC-9	12/21/2020	8.8	< 6.5	< 4.6	NA	NA	NA	NA
	2/12/2021	< 8.0	< 6.4	< 4.5	< 480	1.9	< 0.00024	18
EC-10	12/21/2020	< 8.8	< 6.9	< 4.9	NA	NA	NA	NA
	2/12/2021	< 8.5	< 6.7	< 4.7	< 510	8.9	< 0.00025	3.1
Screening Level	***2019 January SF RWQCB Commercial C ESL***	**67**	**100**	**-**	**-**	**-**	**-**	**-**
	2019 January SF RWQCB Commercial NC ESL	**5,800**	**290**	**44,000**	**-**	**-**	**-**	**-**

Notes

	All results in micrograms per cubic meter ($\mu g/m^3$)
<100	Compound not detected above reporting limt
100	Bold indicates compound detected above reporting limit.
100	Bold type & shaded indicates compound detected exceeds construction worker screening level
	- = no screening level available
	NA = not analyzed
	TPHg = total petroleum hydrocarbon quantified as gasoline
	ESL = Environmental Screening Level, San Francisco Bay Regional Water Quality Control Board (SFBRWQCB), 2019 (Rev 2) Screening Level
	C = Carcinogenic risk
	NC = Non-carcinogenic risk

Table 5
Hiistorical Soil Vapor Sampling Data - Northern Parcel
Latitude High School
1045 Derby Avenue
Oakland, California

Sample Location	Sample Date	1,3-Butadiene	2,2,4-Trimethyl-pentane (Isoctane)	Acetone	Carbon Disulfide	Hexane	Chloroform	Cyclohexane	Benzene	Toluene	Ethylbenzene	Xylenes	1,3,5-Trimethyl-benzene	Freon 11
SV-1	6/15/2017	4.8	<5.6	**48**	37	7.0	**13**	*7.2*	**5.4**	8.2	12	52	6.0	<22
SV-2	6/15/2017	11	<5.6	**140**	140	24	**100**	<4.1	<15	29	<21	111	<5.9	<27
SV-3	6/15/2017	4.5	<5.6	<29	440	17	**73**	*29*	<13	24	<17	32	<5.9	<22
SV-4	6/15/2017	NA	35	**78**	160	21	**28**	*14*	**11**	19	15	103	<5.9	160
SV-5	6/15/2017	NA	54	**200**	220	13	**85**	*10*	**23**	55	<11	56	<5.9	26
SV-6	6/15/2017	3.4	53	34	120	18	**64**	*7.2*	**18**	27	6.8	27.4	<5.9	<22
SV-7	6/15/2017	73	68	<29	200	120	**42**	*180*	**31**	35	<13	23	<5.9	<22
Screening Level	***2019 January SF RWQCB Commercial C ESL***	**-**	**-**	**-**	**-**	**-**	**18**	**-**	**14**	**-**	**160**	**-**	**-**	**-**
	2019 January SF RWQCB Commercial NC ESL	**-**	**-**	**4,500,000**	**-**	**-**	**14,000**	**-**	**440**	**44,000**	**150,000**	**15,000**	**-**	**-**

Notes

All results in micrograms per cubic meter ($\mu g/m^3$)

<100 Compound not detected above reporting limt

100 Bold indicates compound detected above reporting limit.

100 Bold type & shaded indicates compound detected exceeds commercial screening level

- = no screening level available

ND = not detected

ESL = Environmental Screening Level, San Francisco Bay Regional Water Quality Control Board (SFBRWQCB), 2019 (Rev 2) Screening Level

C = Carcinogenic risk

NC = Non-carcinogenic risk

Table 5
Hiistorical Soil Vapor Sampling Data - Northern Parcel
Latitude High School
1045 Derby Avenue
Oakland, California

Sample Location	Sample Date	Heptane	All Other VOCs	Carbon Dioxide	Methane	Oxygen
SV-1	6/15/2017	<16	ND	1.9	<0.00024	5.6
SV-2	6/15/2017	<16	ND	<0.096	0.0040	17
SV-3	6/15/2017	<16	ND	1.6	<0.00080	18
SV-4	6/15/2017	200	ND	4.9	<0.00026	16
SV-5	6/15/2017	380	ND	2.7	<0.00025	18
SV-6	6/15/2017	<16	ND	5.0	<0.00028	13
SV-7	6/15/2017	<16	ND	3.3	0.0052	15
Screening Level	***2019 January SF RWQCB Commercial C ESL***	-	-	-	-	-
	2019 January SF RWQCB Commercial NC ESL	-	-	-	-	-

Notes

	All results in micrograms per cubic meter ($\mu g/m^3$)
<100	Compound not detected above reporting limt
100	Bold indicates compound detected above reporting limit.
100	Bold type & shaded indicates compound detected exceeds commercial screening level
	- = no screening level available
	ND = not detected
	ESL = Environmental Screening Level, San Francisco Bay Regional Water Quality Control Board (SFBRWQCB), 2019 (Rev 2) Screening Level
	C = Carcinogenic risk
	NC = Non-carcinogenic risk

Table 6
Historical Sub-Slab Vapor Sampling Data - Southern Parcel
Latitude High School
1045 Derby Avenue
Oakland, California

Sample Location	Sample Date	1,1,1-Trichloro-ethane	1,3-Butadiene	2-butanone (MEK)	Acetone	Benzene, 1,2,4-trimethyl	Benzene, 1,3,5-trimethyl	4-Ethyltoluene	Benzene	Ethanol	Freon 11	Freon 12	Heptane	Hexane	m&p-Xylenes	o-Xylene
VP1	7/22/2019	<0.91	NA	<3.3	35	4	1.8	5.1 J	<0.69	86	1.5	2.3	<1.3	<0.42	3.2	1.7
	8/24/2019	<1.6	<1.3	<7.2	24 J	<4.6	<3.7	<2.3	<1.0	56	2.0 J	2.9 J	<2.4	<2.1	<1.5	<2.2
	9/7/2019	<1.5	<0.56	<3.7	12 J	58	15	42	<0.59	11	0.93 J	2.2 J	<0.74	<0.64	<0.96	1.6 J
	10/8/2020	< 6.4	< 2.6	< 14	< 28	< 5.8	< 5.8	NA	< 3.8	< 22	< 6.6	< 5.8	< 4.8	< 4.1	< 5.1	< 5.1
VP2	7/15/2019	<1.6	NA	14	400	5.2	1.8	5.8 J	0.93	190	5.3	2.7	1	<0.68	3.1	1.8
	8/13/2019	<0.82	<0.52	13	900	8.7	2.8 J	7.0	0.78 J	180	4.4 J	1.9 J	<1.2	<0.38	0.90 J	<1.0
	8/24/2019	<1.7	<1.4	9.0 J	1,700 E	<4.7	<3.9	<2.4	2.8 J	94	7.8	2.3 J	<2.5	<2.2	2.6 J	<2.3
	9/7/2019	<1.4	<0.56	5.4 J	1,200 E	310	62	210	1.6 J	340	4.7 J	2.2 J	2.5 J	<0.63	2.6 J	6.7
	10/8/2020	< 6.6	< 2.7	< 14	63	< 5.9	< 5.9	NA	< 3.9	< 23	< 6.8	< 6.0	< 5.0	< 4.3	< 5.2	< 5.2
VP3	7/15/2019	3.2	NA	6.6	70	2.8	1.4	3.0 J	0.63	150	13	4.8	<0.77	<0.67	4.7	1.6
	8/13/2019	2.4 J	<0.54	4.5 J	42	8.9	2.3 J	7.2	<0.64	400	9.1	4.1 J	<1.2	<0.39	0.85 J	<1.1
	8/24/2019	2.6 J	<0.89	<3.0	28 J	7.9	<2.7	5.3 J	3.2 J	480	4.3 J	<2.4	<1.6	<1.7	<1.4	<1.8
	9/7/2019	<1.4	<0.55	4.8 J	50	730	160	610	<0.58	740	1.7 J	2.1 J	<0.72	<0.62	6.6	18
	10/8/2020	< 6.5	< 2.6	< 14	< 28	< 5.9	< 5.9		< 3.8	39	20	< 5.9	< 4.9	< 4.2	< 5.2	< 5.2
VP4	7/15/2019	<1.5	NA	<3.9	32	3.1	1.4	3.8 J	1	50	1.5	2.9	1.2	0.69	3.2	2
	7/15/2019	<1.5	NA	4.3	33	3.1	1.2	3.0 J	0.9	53	1.2	2.8	2.6	<0.65	2.9	1.6
	8/13/2019	<0.89	<0.57	<3.2	15 J	4.3 J	0.76 J	3.0 J	0.89 J	23	1.4 J	2.3 J	<1.2	1.8 J	0.88 J	<1.1
	8/24/2019	<1.5	<1.2	<6.7	19 J	8.4	<3.5	3.7 J	2.2 J	32	2.5 J	3.1 J	<2.2	3.0 J	3.7 J	2.1 J
	9/7/2019	<1.4	<0.54	<3.6	16 J	2.8 J	<0.65	1.8 J	<0.57	11	<0.86	1.9 J	<0.71	<0.62	<0.93	<1.4
	10/8/2020	< 6.2	< 2.5	< 13	35	< 5.6	< 5.6		< 3.6	< 21	< 6.3	< 5.6	< 4.6	< 4.0	< 4.9	< 4.9
VP5	7/15/2019	9.1	NA	4	41	3.4	1.4	4.5 J	0.62	51	8.9	3.8	<0.76	<0.65	3.4	1.8
	8/13/2019	9.3	<0.61	<3.5	16 J	6.6	2.4 J	7.2	<0.72	42	14	3.9 J	<1.3	0.58 J	0.77 J	<1.2
	8/24/2019	14	<1.3	<7.0	20 J	6.1	<3.6	<2.2	<1.0	41	21	4.5 J	<2.4	<2.1	<1.4	<2.2
	9/7/2019	9.7	<0.57	<3.8	8.0 J	100	20	75	<0.60	52	13	3.1 J	<0.75	<0.65	<0.98	3.1 J
	10/8/2020	16	< 2.4	< 13	< 26	< 5.4	< 5.4	< 5.4	< 3.5	76	28	6.5	< 4.5	< 3.9	< 4.8	< 4.8
VP6	7/15/2019	<1.6	NA	<4.0	85	3.4	1.5	3.8 J	0.73	81	2.7	3	<0.80	<0.69	4.9	2.7
	8/13/2019	<1.0	<0.67	<3.8	13 J	4.7 J	1.2 J	3.8 J	<0.79	15	2.2 J	2.0 J	<1.5	<0.49	<0.72	<1.3
	8/24/2019	<1.6	<1.3	<6.9	14 J	<4.4	<3.6	<2.2	3.5 J	17	6.3 J	4.8 J	<2.3	<2.1	<1.4	<2.2
	8/24/2019	<1.5	<1.2	<6.6	18 J	<4.2	<3.4	<2.1	2.7 J	21	5.7 J	3.3 J	<2.2	<2.0	<1.3	<2.0
	9/7/2019	<1.4	<0.56	<3.6	7.5 J	<2.0	<0.66	2.1 J	<0.58	<3.0	2.8 J	2.0 J	<0.73	<0.63	<0.95	<1.4
	10/8/2020	< 6.3	< 2.6	< 14	30 J	< 5.7	< 5.7	< 5.7	< 3.7	< 22	< 6.5	< 5.7	< 4.8	< 4.1	< 5.0	< 5.0
	10/8/2020	< 6.7	< 2.7	< 14	< 29 UJ	< 6.0	< 6.0	< 6.0	< 3.9	< 23	< 6.9	< 6.0	< 5.0	< 4.3	< 5.3	< 5.3
VP7	7/15/2019	<1.4	NA	7.3	520	7.2	3.1	6.1	3.7	120	1.5	3.2	2.9	<0.63	32	13
	8/13/2019	<0.87	2.0 J	<3.2	41	15	5.0 J	16	4.9	22	1.0 J	2.0 J	<1.2	1.6 J	12	5.3
	8/24/2019	<1.6	<1.3	<7.2	25 J	38	14	16	3.2 J	37	2.0 J	2.7 J	<2.4	<2.1	9.2	7.6
	9/7/2019	<1.4	<0.56	<3.7	240	120	30	100	4.2	260	0.99 J	2.0 J	2.8 J	<0.63	26	13
	10/8/2020	< 6.1	< 2.5	< 13	75	< 5.5	< 5.5	< 5.5	< 3.6	44	< 6.3	< 5.5	< 4.6	< 3.9	9.2	6.8
VP8	7/15/2019	<1.4	NA	7.1	170	4.6	1.7	4.9 J	1.3	230	1.3	3.8	<0.71	<0.62	6.6	2.8
	8/13/2019	<0.84	0.54 J	<3.0	110	22	6.5	21	1.0 J	250	0.77 J	2.0 J	1.5 J	0.97 J	3.8 J	2.8 J
	8/24/2019	<1.5	<1.2	<6.8	65	56	17	13	3.9	240	1.9 J	2.7 J	<2.3	<2.0	2.4 J	2.8 J
	9/7/2019	<1.6	<0.63	<4.1	160	70	16	56	<0.66	610	1.0 J	2.2 J	<0.82	<0.71	3.3 J	3.9 J
	9/7/2019	<1.6	<0.63	<4.2	320	80	18	71	<0.66	720	1.0 J	2.4 J	<0.83	<0.72	4.2 J	5.2 J
	10/8/2020	< 6.5	< 2.6	< 14	< 28	< 5.9	< 5.9	< 5.9	< 3.8	< 23	< 6.7	< 5.9	< 4.9	< 4.2	< 5.2	< 5.2
VP9	7/15/2019	<1.5	NA	22	240	10	2.4	6.5	0.96	88	1.6	4	<0.76	<0.65	9.9	4.7
	8/13/2019	<0.94	1.5 J	11 J	220	9.2	2.5 J	8.0	3.2 J	20	1.5 J	2.2 J	2.1 J	5.9	0.95 J	<1.2
	8/24/2019	<2.3	<0.84	<2.9	37	8.8	<2.6	7.3	1.5 J	28	<2.1	2.9 J	<1.6	<1.6	1.6 J	<1.6
	10/8/2020	< 5.9	10	28	110	1600	280	1300	5.6	270	< 6.0	< 5.3	7.8	4.1	14	55
VP10	7/22/2019	<1.6	NA	6.8	62	4.9	2	4.4 J	3.7	44	1.6	3.3	<0.82	<0.71	6.7	3
	8/13/2019	1.2 J	<0.60	<3.4	17 J	14	6.4	16	2.3 J	12	1.5 J	2.1 J	<1.3	1.4 J	3.6 J	5.1 J
	8/24/2019	<2.3	<0.84	<2.8	22 J	21	6.4	28	1.7 J	18	<2.1	<2.2	<1.5	<1.6	1.9 J	2.1 J
	9/7/2019	1.5 J	<0.57	<3.8	160	530	120	480	0.66 J	19	1.1 J	1.9 J	14	<0.65	4.1 J	14
	10/8/2020	< 6.3	< 2.6	< 14	< 28	< 5.7	< 5.7	< 5.7	< 3.7	< 22	< 6.5	< 5.7	< 4.8	< 4.1	< 5.0	< 5.0
Screening Level	***2019 January SF RWQCB Commercial C ESL***	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**14**	**-**	**-**	**-**	**-**	**-**		
	2019 January SF RWQCB Commercial NC ESL	**150,000**	**-**	**730,000**	**4,500,000**	**-**	**-**	**-**	**440**	**-**	**-**	**-**	**-**	**-**	**15,000**	**15,000**

Notes

All results in micrograms per cubic meter (µg/m^3)

<100 Compound not detected above reporting limt

100 Bold indicates compound detected above reporting limit.

100 Bold type & shaded indicates compound detected exceeds commercial screening level

- = no screening level available

ND = not detected

NA = not analyzed

PCE = tetrachloroethene

ESL = Environmental Screening Level, San Francisco Bay Regional Water Quality Control Board (SFBRWQCB), 2019 (Rev 2) Screening Level

C = Carcinogenic risk

NC = Non-carcinogenic risk

NC = Non-carcinogenic risk

J = Estimated value that is less than the laboratory reporting limit but equal to or greater than the laboratory method detection limit. UJ = Non-detected compound associated with low bias in the continuing calibration verification (CCV) standards.

Table 6
Historical Sub-Slab Vapor Sampling Data - Southern Parcel
Latitude High School
1045 Derby Avenue
Oakland, California

Sample Location	Sample Date	PCE	Tetrahydro-furan	Toluene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dioxane	2,2,4-Trimethyl-pentane	2-Hexanone	2-Propanol	4-Methyl-2-pentanone	Bromomethane	Carbon Disulfide	Chloroform	Ethyl Benzene	Methylene Chloride
VP1	7/22/2019	<0.97	<1.3	2	<0.86	1.2	<2.5	<1.1	<2.2	3.8	<2.0	<3.1	13	<0.82	<1.0	<2.8
	8/24/2019	<2.3	<1.5	<3.1	<1.2	<1.5	<3.9	<1.2	<4.6	3.4 J	<1.9	<12	<3.4	<1.3	<0.62	<2.8
	9/7/2019	<1.4	<0.83	<0.68	<1.2	<1.1	<2.2	<0.93	<2.2	<1.6	<1.0	<2.5	<2.1	<1.1	<1.1	<1.6
	10/8/2020	< 8.0	< 3.5	< 4.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VP2	7/15/2019	<1.5	0.93	2.9	<1.2	<1.1	<2.3	2.2	<2.4	21	1.7	<2.6	7.2	<1.2	1.3	<1.7
	8/13/2019	<0.88	1.4 J	0.99 J	<0.78	<0.77	<2.2	<1.0	<1.9	36	<1.8	<2.8	7.4 J	<0.74	<0.94	<2.6
	8/24/2019	<2.3	2.5 J	<3.2	<1.3	<1.6	<4.0	<1.3	<4.8	27	<2.0	<12	<3.5	<1.3	1.3 J	<2.9
	9/7/2019	1.6 J	<0.82	3.1 J	<1.1	2.2 J	<2.1	<0.92	<2.2	24	<0.99	<2.4	9.5 J	<1.1	1.2 J	<1.6
	10/8/2020	< 8.2	< 3.6	< 4.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VP3	7/15/2019	<1.5	<0.87	1.8	<1.2	<1.1	<2.3	<0.97	<2.3	5.9	1.2	<2.6	5.9	<1.2	1.6	<1.7
	8/13/2019	0.95 J	<1.2	0.68 J	<0.81	<0.80	<2.3	<1.0	<2.0	9.7 J	<1.8	<2.9	2.4 J	<0.76	<0.97	<2.6
	8/24/2019	<3.4	<2.0	<1.5	<3.3	<3.0	<9.6	<1.8	<5.0	<3.8	<2.0	<3.7	3.0 J	<1.7	<2.2	<3.8
	9/7/2019	1.4 J	<0.82	1.9 J	<1.1	1.0 J	<2.1	<0.91	<2.2	4.3 J	1.2 J	<2.4	6.6 J	<1.1	1.7 J	<1.6
	10/8/2020	< 8.1	< 3.5	< 4.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VP4	7/15/2019	<1.5	1.1	2	1.2	<1.1	<2.3	<0.97	<2.3	3.9	1.4	<2.6	6.4	<1.2	1.6	<1.7
	7/15/2019	<1.5	1.2	1.7	<1.2	<1.1	<2.2	<0.95	<2.3	86	1.4	2.9	5	<1.1	1.5	<1.6
	8/13/2019	<0.95	<1.2	0.96 J	<0.84	<0.83	<2.4	<1.1	<2.1	<1.7	<1.9	<3.0	<2.2	<0.80	<1.0	<2.8
	8/24/2019	<2.1	1.8 J	4.0 J	<1.2	<1.4	<3.6	<1.2	<4.3	2.2 J	<1.8	<11	<3.2	<1.2	2.1 J	<2.6
	9/7/2019	<1.4	<0.80	0.90 J	<1.1	<1.0	<2.1	<0.90	<2.2	2.8 J	<0.96	<2.4	<2.1	<1.1	<1.1	<1.5
	10/8/2020	< 7.7	< 3.3	< 4.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VP5	7/15/2019	**250**	<0.85	1.5	<1.2	<1.1	2.6	<0.95	<2.3	7	1	<2.5	7.9	<1.1	1.6	<1.6
	8/13/2019	**270**	<1.3	1.1 J	<0.91	<0.90	<2.6	<1.2	<2.3	2.2 J	<2.1	<3.2	10 J	5.3 J	<1.1	<3.0
	8/24/2019	**340**	<1.4	<3.0	<1.2	<1.5	<3.8	<1.2	<4.5	2.5 J	<1.9	<11	3.5 J	3.6 J	<0.60	<2.8
	9/7/2019	**470**	<0.85	<0.69	<1.2	<1.1	<2.2	<0.95	<2.3	1.9 J	<1.0	<2.5	5.0 J	1.2 J	<1.1	<1.6
	10/8/2020	**480**	< 3.2	< 4.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VP6	7/15/2019	10	1.4	2.1	<1.2	<1.1	<2.3	<1.0	<2.4	9.9	1.8	2.8	8.6	7.9	2.1	<1.7
	8/13/2019	8.3 J	<1.5	0.62 J	<1.0	<0.99	<2.9	<1.3	<2.5	<2.0	<2.3	<3.5	5.3 J	1.6 J	<1.2	<3.2
	8/24/2019	15	<1.4	<3.0	<1.2	<1.4	<3.7	<1.2	<4.4	<2.0	<1.8	<11	8.5 J	2.0 J	<0.59	<2.7
	8/24/2019	18	<1.3	<2.8	<1.1	<1.4	<3.6	<1.2	<4.2	<1.9	<1.8	<11	3.8 J	2.1 J	<0.57	<2.6
	9/7/2019	20	<0.82	<0.66	<1.1	<1.0	<2.1	<0.92	<2.2	<1.6	<0.98	<2.4	5.4 J	<1.1	<1.1	<1.6
	10/8/2020	17	< 3.4	< 4.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/8/2020	18	< 3.6	< 4.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VP7	7/15/2019	7.9	4.1	34	<1.1	<1.0	3.3	<0.92	<2.2	16	10	<2.4	4.6	<1.1	8	7.2
	8/13/2019	6.6 J	1.5 J	18	<0.83	<0.82	<2.4	<1.1	<2.1	3.0 J	<1.9	<2.9	11 J	<0.78	3.2 J	<2.7
	8/24/2019	9.6	<1.5	16	<1.2	<1.5	<3.9	<1.2	<4.6	3.4 J	<1.9	<12	6.5 J	<1.3	3.2 J	2.8 J
	9/7/2019	<1.4	<0.82	43	<1.1	<1.0	30	<0.92	<2.2	9.1 J	2.9 J	<2.4	6.7 J	<1.1	6.8	5.4 J
	10/8/2020	< 7.6	< 3.3	7.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VP8	7/15/2019	<1.4	1.7	5.7	<1.1	<1.0	<2.1	<0.90	<2.2	59	1.7	<2.4	5.7	<1.1	1.6	<1.5
	8/13/2019	<0.90	1.4 J	7.4	<0.79	<0.79	<2.3	<1.0	<2.4	26	<1.8	<2.8	5.8 J	<0.75	<0.96	<2.6
	8/24/2019	<2.1	<1.4	2.9 J	<1.2	<1.4	<3.7	<1.2	<4.4	20	<1.8	<11	6.1 J	<1.2	<0.58	<2.7
	9/7/2019	<1.6	<0.92	3.4 J	<1.3	<1.2	<2.4	<1.0	<2.5	26	<1.1	<2.8	5.0 J	<1.2	<1.2	<1.8
	9/7/2019	<1.6	3.6 J	3.6 J	<1.3	<1.2	<2.4	<1.0	<2.5	28	<1.1	<2.8	10 J	<1.2	<1.2	<1.8
	10/8/2020	< 8.1	< 3.5	< 4.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VP9	7/15/2019	<1.5	2.3	5.1	<1.2	<1.1	4.3	<0.95	2.3	9.6	5.3	<2.5	4.7	<1.1	4.5	<1.6
	8/13/2019	1.1 J	<1.3	2.4 J	<0.89	<0.88	<2.6	<1.2	<2.2	3.0 J	<2.0	<3.2	<2.3	<0.84	<1.1	<2.9
	8/24/2019	<3.2	<1.9	1.6 J	<3.1	<2.8	<9.0	<1.7	<4.7	<3.6	<1.8	<3.5	4.2 J	<1.6	<2.0	<3.6
	10/8/2020	< 7.3	5	13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VP10	7/22/2019	9.8	1.2	15	<1.3	<1.2	<2.4	<1.0	<2.5	3.5	1.3	<2.7	6	<1.2	5.7	<1.8
	8/13/2019	8.0 J	<1.3	5.9	<0.89	<0.88	<2.6	<1.2	<2.2	<1.8	<2.0	<3.2	3.9 J	<0.84	2.0 J	<2.9
	8/24/2019	8.9	<1.9	1.4 J	<3.1	<2.8	<9.0	<1.6	<4.6	<3.5	<1.8	<3.5	3.4 J	<1.6	<2.0	<3.6
	9/7/2019	13	<0.84	2.0 J	<1.2	<1.1	<2.2	<0.94	<2.3	<1.6	<1.0	<2.5	4.9 J	<1.1	2.2 J	<1.6
	10/8/2020	19	< 3.4	< 4.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Screening Level	***2019 January SF RWQCB Commercial C ESL***	**67**	**-**			**-**	**53**	**-**	**-**	**-**	**-**	**-**	**-**	**18**	**160**	**410**
	2019 January SF RWQCB Commercial NC ESL	**5,800**	**-**	**44,000**	**29,000**	**-**	**4,400**	**-**	**-**	**-**	**-**	**730**	**-**	**14,000**	**150,000**	**58,000**

Notes

All results in micrograms per cubic meter ($\mu g/m^3$)

Compound not detected above reporting limt

<100 Bold indicates compound detected above reporting limit.

100 Bold type & shaded indicates compound detected exceeds commercial sc

100 - = no screening level available

ND = not detected

NA = not analyzed

PCE = tetrachloroethene

ESL = Environmental Screening Level, San Francisco Bay Regional Water

C = Carcinogenic risk

NC = Non-carcinogenic risk

NC = Non-carcinogenic risk

J = Estimated value that is less than the laboratory reporting limit but equal to or greater than the laboratory method detection limit. UJ = Non-detected compound associated with low bias in the continuing calibration verification (CCV) standards.

PCE = tetrachloroethene

ESL = Environmental Screening Level, San Francisco Bay Regional Water Quality Control Board (SFBRWQCB), 2019 (Rev 2) Screening Level

C = Carcinogenic risk

NC = Non-carcinogenic risk

NC = Non-carcinogenic risk

J = Estimated value that is less than the laboratory reporting limit but equal to or greater than the laboratory method detection limit. UJ = Non-detected compound associated with low bias in the continuing calibration verification (CCV) standards.

Table 6
Historical Sub-Slab Vapor Sampling Data - Southern Parcel
Latitude High School
1045 Derby Avenue
Oakland, California

Sample Location	Sample Date	Naphthalene	n-Propylbenzene	Propylbenzene	Styrene	1,1,2,2-Tetrachloro-ethane	1,2-Dibromo-ethane	1,4-Dichloro-benzene	Bromodichloro-methane	Chlorobenzene	Chloromethane	Cumene	Cyclohexane	Methyl tert-butyl ethyl	Vinyl Chloride	TPH as gasoline
VP1	7/22/2019	**36**	NA	1.4	<0.92	<1.3	<1.1	<0.87	<0.96	<0.55	<1.6	<0.59	<0.66	<2.2	<0.61	NA-
	8/24/2019	<0.41	NA	<2.7	<1.1	<1.4	<1.1	<1.3	<3.1	<1.4	<1.6	<1.6	<1.2	<2.3	<2.3	<510
	9/7/2019	<7.3	NA	7.2	<0.78	<1.4	<2.0	<1.2	<1.8	<0.78	<1.8	1.9 J	<1.7	<2.2	<0.69	<470
	10/8/2020	NA	< 5.8	NA	NA	NA	NA	NA	NA	NA	NA	<12	NA	NA	NA	NA
VP2	7/15/2019	**7.4**	NA	2.9	1.1	<1.4	<2.1	<1.3	<1.9	<0.83	<1.9	<0.60	<1.8	<2.4	<0.74	NA-
	8/13/2019	**3.7 J**	NA	1.6 J	1.2 J	<1.2	<1.0	<0.78	<0.87	<0.50	<1.4	<0.53	<0.59	3.7 J	<0.55	650
	8/24/2019	1.6 J	NA	<2.8	2.0 J	<1.5	<1.1	<1.3	<3.2	<1.5	<1.7	<1.6	<1.3	<2.4	<2.3	1,200
	9/7/2019	<7.2	NA	32	<0.77	<1.3	<1.9	4.1 J	<1.7	<0.77	<1.8	7.3	<1.7	<2.2	<0.68	1,900
	10/8/2020	NA	< 5.9	NA	NA	NA	NA	NA	NA	NA	NA	22	NA	NA	NA	NA
VP3	7/15/2019	6.4	NA	1	5	<1.4	<2.0	<1.2	<1.8	<0.81	<1.9	<0.59	<1.8	<2.3	<0.72	NA-
	8/13/2019	4.7	NA	1.2 J	NA	<1.2	<1.0	<0.81	<0.90	<0.52	<1.5	<0.55	<0.62	<2.1	<0.57	<460
	8/24/2019	4.0 J	NA	<2.1	NA	<3.8	<3.9	<3.2	<2.5	<1.8	<5.8	1.6 J	<1.8	<1.3	<1.3	<520
	9/7/2019	8.1 J	NA	100	NA	<1.3	<1.9	<1.2	<1.7	<0.76	<1.8	25	<1.7	<2.2	<0.68	4,000
	10/8/2020	NA	< 5.9	NA	NA	NA	NA	NA	NA	NA	NA	16	NA	NA	NA	NA
VP4	7/15/2019	**24**	NA	0.9	<0.81	<1.4	<2.0	<1.2	<1.8	<0.81	<1.9	<0.59	<1.8	<2.3	<0.72	NA-
	7/15/2019	NA	NA	<0.86	<0.80	<1.4	<2.0	<1.2	<0.8	<0.80	<1.8	<0.58	<1.7	<2.3	<0.71	NA-
	8/13/2019	2.4 J	NA	0.59 J	<0.89	<1.3	<1.1	<0.84	<0.94	<0.54	<1.5	<0.57	<0.64	<2.2	<0.60	<480
	8/24/2019	0.58 J	NA	<2.5	<1.0	<1.3	<1.0	<1.2	<2.9	<1.3	<1.5	<1.5	2.4 J	<2.2	<2.1	<470
	9/7/2019	<7.1	NA	<0.81	1.2 J	<1.3	<1.9	<1.1	<1.7	<0.75	<1.8	<0.54	<1.6	<2.1	<0.67	<450
	10/8/2020	NA	< 5.6	NA	NA	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	NA
VP5	7/15/2019	5	NA	1.1	1	<1.4	<2.0	<1.2	<1.8	<0.80	<1.8	<0.58	<1.7	<2.3	<0.71	NA-
	8/13/2019	4.6	NA	1.6 J	<0.97	<1.4	<1.2	<0.91	<1.0	<0.58	<1.7	<0.62	0.94 J	<2.4	<0.64	650
	8/24/2019	1.8 J	NA	<2.6	<1.1	<1.4	<1.0	<1.2	<3.0	<1.4	<1.6	<1.6	<1.2	<2.3	<2.2	1,100
	9/7/2019	<7.5	NA	13	<0.79	<1.4	<2.0	<1.2	<1.8	1.0 J	<1.8	3.1 J	<1.7	<2.3	<0.70	1,300
	10/8/2020	NA	< 5.4	NA	NA	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	NA
VP6	7/15/2019	**24**	NA	0.94	1.7	<1.5	<2.1	<1.3	<1.9	<0.84	<2.0	<0.61	<1.8	<2.4	<0.75	NA-
	8/13/2019	5.6	NA	0.94 J	<1.0	<1.5	<1.3	<1.0	<1.1	<0.64	<1.8	<0.68	<0.76	<2.6	<0.70	<560
	8/24/2019	3.8 J	NA	<2.6	<1.1	<1.4	<1.0	<1.2	<3.0	<1.4	<1.6	<1.5	<1.2	<2.3	<2.2	<490
	8/24/2019	4.5 J	NA	<2.5	<1.0	<1.3	<0.98	<1.2	<2.8	<1.3	<1.5	<1.5	<1.2	<2.2	<2.1	<470
	9/7/2019	<7.2	NA	<0.82	<0.76	<1.3	<1.9	<1.2	<1.7	<0.76	<1.8	<0.55	<1.7	<2.2	<0.68	<460
	10/8/2020	NA	< 5.7	NA	NA	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	NA
	10/8/2020	NA	< 6.0	NA	NA	NA	NA	NA	NA	NA	NA	14	NA	NA	NA	NA
VP7	7/15/2019	21		1.7	1.4	<1.3	<1.9	<1.2	<1.7	<0.76	<1.8	1.3 J	<1.7	<2.2	<0.68	NA-
	8/13/2019	8.8	NA	3.0 J	1.2 J	<1.2	<1.0	<0.83	<0.92	<0.53	<1.5	1.1 J	<0.63	<2.1	<0.58	450
	8/24/2019	7.3 J	NA	8.9	<1.1	<1.4	<1.1	<1.3	<3.1	<1.4	<1.6	3.0 J	<1.2	<2.3	<2.3	1,200
	9/7/2019	<7.2	NA	22	<0.77	<1.3	<1.9	<1.2	<1.7	<0.77	4.5 J	7.2	<1.7	4.7 J	<0.68	1,400
	10/8/2020	NA	< 5.5	NA	NA	NA	NA	NA	NA	NA	NA	18	NA	NA	-	NA
VP8	7/15/2019	6.9	NA	1.3	0.81	<1.3	<1.9	<1.1	<1.7	<0.75	<1.8	<0.54	<1.6	<2.1	<0.67	NA-
	8/13/2019	5.2	NA	4.0 J	<0.84	<1.2	<1.0	<0.80	<0.88	<0.51	<1.4	1.5 J	<0.60	12 J	<0.56	740
	8/24/2019	1.7 J	NA	8	<1.1	<1.4	<1.0	<1.2	<2.9	<1.4	<1.6	4.2 J	<1.2	<2.2	<2.1	1,100
	9/7/2019	<8.2	NA	10	<0.86	<1.5	<2.2	<1.3	<2.0	<0.86	<2.0	3.4 J	<1.9	<2.5	<0.77	820
	9/7/2019	<8.2	NA	13	<0.87	<1.5	<2.2	<1.3	<2.0	<0.87	2.7 J	5.1 J	<1.9	<2.5	<0.78	820
	10/8/2020	NA	< 5.9	NA	NA	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	NA
VP9	7/15/2019	**160**	NA	1.4	1.2	<1.4	<2.0	<1.2	<1.8	<0.80	<1.8	<0.58	<1.7	<2.3	<0.71	NA-
	8/13/2019	15	NA	1.8 J	<0.95	<1.4	<1.1	<0.90	<0.99	<0.57	<1.6	<0.61	<0.68	<2.3	<0.63	<500
	8/24/2019	17	NA	<2.0	<1.4	<3.6	<3.6	<3.0	<2.4	<1.7	<5.4	<1.4	<1.7	<1.2	<1.2	<480
	10/8/2020	NA	240	NA	NA	NA	NA	NA	NA	NA	NA	26	NA	NA	NA	NA
VP10	7/22/2019	4.6	NANA	1.2	<0.86	<1.5	<2.2	<1.3	<2.0	<0.86	<2.0	<0.62	<1.9	<2.5	<0.77	NA-
	8/13/2019	5.3	NA	3.7 J	1.3 J	<1.4	<1.1	<0.90	<0.99	<0.57	<1.6	1.5 J	0.87 J	7.7 J	<0.63	610
	8/24/2019	4.1 J	NA	5.8	<1.4	<3.6	<3.6	<3.0	<2.4	<1.7	<5.4	2.3 J	<1.7	10 J	<1.2	570
	9/7/2019	<7.4	NA	91	<0.79	<1.4	<2.0	<1.2	<1.8	<0.79	<1.8	22	<1.7	4.3 J	<0.70	2,600
	10/8/2020	NA	< 5.7	NA	NA	NA	NA	NA	NA	NA	NA	<11	NA	NA	NA	NA
Screening Level	***2019 January SF RWQCB Commercial C ESL***	**23**	**-**	**-**	**-**	**7.0**	**0.68**	**37**	**11**	**-**	**-**	**-**	**-**	**16,000**	**5.2**	**-**
	2019 January SF RWQCB Commercial NC ESL	**440**	**-**	**-**	**130,000**	**-**	**120**	**120,000**	**-**	**7,300**	**13,000**	**-**	**-**	**440,000**	**15,000**	**83,000**

Notes

	All results in micrograms per cubic meter ($\mu g/m^3$)
<100	Compound not detected above reporting limt
100	Bold indicates compound detected above reporting limit.
100	Bold type & shaded indicates compound detected exceeds commercial screening level
	- = no screening level available
	ND = not detected
	NA = not analyzed

ESL = Environmental Screening Level, San Francisco Bay Regional Water Quality Control Board (SFBRWQCB), 2019 (Rev 2) Screening Level
C = Carcinogenic risk
NC = Non-carcinogenic risk
NC = Non-carcinogenic risk
J = Estimated value that is less than the laboratory reporting limit but equal to or greater than the laboratory method detection limit. UJ = Non-detected compound associated with low bias in the continuing calibration verification (CCV) standards.

Table 7
Historical Outdoor Air Sampling Data
Latitude High School
1045 Derby Avenue
Oakland, California

Sample Location	Sample Date	1,1,2,2-Tetrachloro-ethane	1,1,2-Trichloro-ethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trichloro-benzene	1,2,4-Trimethyl-benzene	1,2-Dichloro-benzene	1,2-Dichloroethane	1,2-Dichloro-propane	1,3,5-Trimethyl-benzene	1,3-Butadiene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	1,4-Dioxane	2-Butanone (Methyl Ethyl Ketone)
A1	7/30/2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.5
A2	7/30/2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.8
A2-DUP	7/30/2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.6
A3	7/30/2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.5
OA1	7/16/2019	<0.040	<0.037	<0.025	<0.021	<1.2	<0.26	<0.74	**0.080 J**	<0.19	<0.23	<0.18	<0.63	<0.15	**0.12 J**	0.85 J
OA2	7/16/2019	<0.036	<0.034	<0.022	<0.019	<1.1	<0.24	<0.68	**0.080 J**	<0.17	<0.21	<0.16	<0.58	<0.14	<0.10	0.54 J
OA3	7/16/2019	<0.038	<0.036	<0.024	<0.020	<1.2	<0.25	<0.71	**0.081 J**	<0.18	<0.22	<0.17	<0.60	<0.14	<0.10	0.97 J
OA4	8/4/2019[1]	**0.611**	**0.928**	<0.0203	0.0397	<0.0371	0.118	<0.0301	**0.045 J**	**0.0832**	0.0295	0.0575	0.0421	**0.0481**	**1.91**	4.25 J
	8/4/2019[2]	**0.103**	**0.0273**	<0.0203	0.0476	0.0519	0.187	<0.0301	**0.037 J**	<0.0231	0.0443	0.0663	<0.0301	**0.0601**	**2.03**	4.34 J
	8/5/2019[3]	**0.247**	**0.595**	**0.077**	0.0397	0.193	0.103	0.0361	**0.041 J**	**0.0277**	0.0344	0.0884	0.0301	**0.0541**	**21.9**	6.43 J
	8/25/2019[1]	<0.079	<0.058	<0.047	<0.056	<2.4	<0.19	<0.19	**0.054 J**	<0.20	<0.17	<0.083	<0.36	<0.12	<0.33	<0.53
	9/1/2019[1]	<0.079	<0.058	<0.047	<0.056	<2.4	<0.19	<0.19	**0.053 J**	<0.20	<0.17	<0.083	<0.36	<0.12	<0.33	<0.53
	9/8/2019[1]	<0.038	<0.036	<0.024	<0.020	<1.2	<0.25	<0.71	**0.049 J**	<0.18	<0.22	<0.17	<0.60	<0.14	<0.10	0.43 J
OA5	8/4/2019[1]	**0.247**	**0.699**	**0.0527**	0.0516	<0.0371	0.128	<0.0301	**0.045 J**	**0.0554**	0.0344	0.0663	0.108	**0.12**	**1.3**	6.96 J
	8/4/2019[2]	**0.0962**	**0.0874**	<0.0203	0.0397	<0.0371	0.143	<0.0301	**0.041 J**	<0.0231	0.0344	0.0575	0.0962	**0.108**	**1.16**	2.60 J
	8/5/2019[3]	**0.137**	<0.0273	<0.0203	0.0397	0.0519	0.212	0.0361	**0.032 J**	<0.0231	0.0443	0.0707	<0.0301	**0.0421**	**4.57**	4.43 J
	8/25/2019[1]	<0.078	<0.057	<0.046	<0.054	<2.3	<0.18	<0.19	**0.052 J**	<0.19	<0.17	<0.082	<0.35	<0.12	**0.34 J**	<0.52
	9/1/2019[1]	<0.079	<0.058	<0.047	<0.056	<2.4	<0.19	<0.19	**0.052 J**	<0.20	<0.17	<0.083	<0.36	<0.12	<0.33	<0.53
	9/8/2019[1]	<0.039	<0.036	<0.024	<0.020	<1.2	<0.26	<0.73	**0.050 J**	<0.18	<0.22	<0.18	<0.62	<0.14	**0.27 J**	<0.30
Screening Level	***2019 January SF RWQCB Commercial C ESL***	**0.21**	**0.77**	**7.7**	**--**	**--**	**--**	**--**	**0.47**	**1.2**	**--**	**--**	**--**	**1.1**	**1.6**	**--**
	2019 January SF RWQCB Commercial NC ESL	**--**	**0.88**	**--**	**310**	**8.8**	**--**	**880**	**31**	**18**	**--**	**--**	**--**	**3,500**	**130**	**22,000**

Notes

All results in micrograms per cubic meter ($\mu g/m^3$)

<100 Compound not detected above reporting limt

100 Bold indicates compound detected above reporting limit.

100 Bold type & shaded indicates compound detected exceeds commercial screening level

ESL = Environmental Screening Level, San Francisco Bay Regional Water Quality Control Board (SFBRWQCB), 2019 (Rev 2) Screening Level

(C) = Carcinogenic risk

(NC) = Non-carcinogenic risk

- = no screening level available

NA = not analyzed

J = Estimated value that is less than the laboratory reporting limit but equal to or greater than the laboratory method detection limit.

Footnote1 = Sample collected between 8AM and 4PM

Footnote2 = Sample collected between 4PM and 12AM

Footnote3 = Sample collected between 12AM and 8AM

Table 7
Historical Outdoor Air Sampling Data
Latitude High School
1045 Derby Avenue
Oakland, California

Sample Location	Sample Date	cis-1,3-Dichloroprop-ene	chloromethane	Ethanol	Ethyl Benzene	Freon 11	Freon 113	Freon 114	Freon 12	Hexane	m,p-Xylene	Methyl tert-butyl ether	Methylene Chloride	2-Hexanone
A1	7/30/2018	NA	1.5	38	NA	NA	NA	NA	NA	NA	NA	NA	3.7	NA
A2	7/30/2018	NA	1.3	20	NA	NA	NA	NA	NA	NA	NA	NA	1.8	NA
A2-DUP	7/30/2020	NA	1.2	28	NA	NA	NA	NA	NA	NA	NA	NA	2.1	NA
A3	7/30/2018	NA	1.4	29	NA	NA	NA	NA	NA	NA	NA	NA	<1.7	NA
OA1	7/16/2019	<0.14	<0.46	3.2	0.093 J	1.3	<0.93	0.13 J	2.6	<0.41	0.31 J	<0.013	0.82 J	<0.32
OA2	7/16/2019	<0.13	<0.42	2.8	0.094 J	1.4	<0.85	0.12 J	2.5	<0.37	0.31	<0.012	0.68 J	<0.29
OA3	7/16/2019	<0.13	<0.44	3.3	0.098 J	1.4	<0.89	0.13 J	2.6	<0.39	0.32	<0.013	0.61 J	<0.30
OA4	8/4/2019[1]	<0.0227	<0.0426	NA	0.126 J	0.9	0.337	NA	1.2	1.2	0.31	<0.0181	0.19 J	9.31
	8/4/2019[2]	<0.0227	<0.0426	NA	0.074 J	1.0	0.368	NA	1.3	0.257	0.26	<0.0181	0.21 J	7.67
	8/5/2019[3]	<0.0227	<0.0426	NA	0.056 J	0.9	0.322	NA	1.3	3.66	0.15	0.0181	0.20 J	41.4
	8/25/2019[1]	<0.16	<0.45	4.4	0.11 J	1.1	0.53 J	0.11 J	2.0	<0.35	0.34	<0.055	0.70 J	<0.91
	9/1/2019[1]	<0.16	<0.45	4.7	0.13 J	1.1	0.56 J	0.11 J	2.0	<0.35	0.43	<0.055	0.44 J	<0.91
	9/8/2019[1]	<0.13	<0.44	2.4	0.090 J	1.3	<0.89	0.11 J	2.0	<0.39	0.34	<0.013	<0.57	<0.30
OA5	8/4/2019[1]	<0.0227	<0.0426	NA	0.113 J	0.9	0.329	NA	1.1	1.83	0.30	0.0289	0.20 J	9.31
	8/4/2019[2]	<0.0227	<0.0426	NA	0.074 J	0.9	0.337	NA	1.2	0.873	0.27	<0.0181	0.18 J	5.33
	8/5/2019[3]	<0.0227	<0.0426	NA	0.273 J	0.9	0.322	NA	1.3	0.338	0.30	<0.0181	0.18 J	5.13
	8/25/2019[1]	<0.16	<0.44	4.0	<0.098	1.0	0.54 J	0.11 J	2.0	<0.34	0.29 J	<0.054	0.70 J	<0.89
	9/1/2019[1]	<0.16	<0.45	4.1	<0.10	1.0	0.49 J	0.11 J	2.0	<0.35	0.32	<0.055	0.50 J	<0.91
	9/8/2019[1]	<0.14	<0.45	3.2	0.10 J	1.3	<0.91	0.11 J	2.0	<0.40	0.37	<0.013	<0.58	<0.31
Screening Level	***2019 January SF RWQCB Commercial C ESL***	**0.77**	**--**	**--**	**4.9**	**--**	**--**	**--**	**--**	**--**	**--**	**47**	**12**	**--**
	2019 January SF RWQCB Commercial NC ESL	**88**	**390**	**--**	**4,400**	**--**	**--**	**--**	**--**	**--**	**440**	**13,000**	**18,000**	**--**

Notes

All results in micrograms per cubic meter (µg/m^3)
Compound not detected above reporting limt
<100 Bold indicates compound detected above reporting limit.
100 Bold type & shaded indicates compound detected exceeds commercial screening level
100 ESL = Environmental Screening Level, San Francisco Bay Regional Water Quality Control Board (SFBRWQCB), 2019 (Rev 2) Screening Level
(C) = Carcinogenic risk
(NC) = Non-carcinogenic risk
- = no screening level available
NA = not analyzed
J = Estimated value that is less than the laboratory reporting limit but equal to or greater than the laboratory method detection limit.
Footnote1 = Sample collected between 8AM and 4PM
Footnote2 = Sample collected between 4PM and 12AM
Footnote3 = Sample collected between 12AM and 8AM

Table 7
Historical Outdoor Air Sampling Data
Latitude High School
1045 Derby Avenue
Oakland, California

Sample Location	Sample Date	2-Propanol	4-Ethyltoluene	4-Methyl-2-pentanone	Acetone	Benzene	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	o-Xylene	Styrene	Tetrachloro-ethene
A1	7/30/2018	23	NA	NA	11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
A2	7/30/2018	28	NA	NA	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
A2-DUP	7/30/2020	17	NA	NA	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
A3	7/30/2018	13	NA	NA	11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
OA1	7/16/2019	0.95 J	<0.24	<0.23	9.2	**0.21 J**	<0.66	0.56	<0.22	0.036 J	0.12 J	1.4 J	<0.024	0.12 J	<0.11	<0.068
OA2	7/16/2019	0.36 J	<0.22	<0.21	5.7	**0.21 J**	<0.60	0.53	<0.20	<0.017	0.096 J	1.2 J	<0.022	0.11 J	<0.10	<0.062
OA3	7/16/2019	0.46 J	<0.23	<0.22	7.7	**0.23 J**	<0.63	0.53	<0.22	<0.17	0.10 J	1.3 J	<0.023	0.12 J	<0.10	<0.065
OA4	8/4/2019[1]	3.42 J	0.143	2.23	29.3	**0.26 J**	<0.0156	0.37	0.0092	<0.0132	0.12 J	0.2 J	<0.0198	0.13 J	0.0298	0.176
	8/4/2019[2]	1.70 J	0.128	0.701	31.1	**0.25 J**	<0.0156	0.42	0.0138	0.0238	0.16 J	0.3 J	<0.0198	0.10 J	0.0298	NA
	8/5/2019[3]	1.92 J	0.0836	7.13	25.4	**0.41 J**	<0.0156	0.35	0.023	<0.0132	0.07 J	0.2 J	0.0554	0.06 J	0.107	0.441
	8/25/2019[1]	0.43 J	<0.20	<0.18	7.7 J	**0.31 J**	<0.47	0.46	<0.21	<0.034	0.097 J	0.71 J	<0.049	0.14 J	<0.080	<0.045
	9/1/2019[1]	<0.24 UJ	<0.20	<0.18	5.8	**0.28 J**	<0.47	0.53	<0.21	<0.034	0.086 J	0.70 J	<0.049	0.17 J	<0.080	0.084 J
	9/8/2019[1]	0.37 J	<0.23	<0.22	5.7	**0.19 J**	<0.63	0.49	<0.22	0.023 J	0.087 J	0.97 J	<0.023	0.13 J	<0.10	<0.065
OA5	8/4/2019[1]	2.48 J	0.108	1.57	27.5	**0.22 J**	0.177	0.36	0.0138	<0.0132	0.28 J	0.2 J	<0.0198	0.12 J	0.0256	0.176
	8/4/2019[2]	2.07 J	0.0886	0.426	25.6	**0.23 J**	0.0435	0.37	0.0184	0.0132	0.22 J	0.2 J	<0.0198	0.10 J	<0.0213	NA
	8/5/2019[3]	1.26 J	0.138	0.894	24.4	**0.27 J**	0.028	0.37	0.069	<0.0132	0.19 J	0.1 J	<0.0198	0.08 J	0.0256	0.176
	8/25/2019[1]	0.41 J	<0.20	<0.17	9.4 J	**0.32 J**	<0.46	0.44	<0.20	<0.033	0.095 J	0.68 J	<0.048	0.11 J	<0.078	1
	9/1/2019[1]	<0.24 UJ	<0.20	<0.18	7.6	**0.24 J**	<0.47	0.52	<0.21	<0.034	0.083 J	0.72 J	<0.049	0.14 J	<0.080	0.060 J
	9/8/2019[1]	0.31 J	<0.24	<0.22	4.6	**0.20 J**	<0.64	0.49	<0.22	<0.018	0.090 J	1.0 J	<0.024	0.14 J	<0.11	<0.066
Screening Level	***2019 January SF RWQCB Commercial C ESL***	**--**	**--**	**--**	**--**	**0.42**	**--**	**2**	**--**	**--**	**0.53**	**--**	**--**	**--**	**--**	**2**
	2019 January SF RWQCB Commercial NC ESL	**--**	**--**	**--**	**140,000**	**13**	**--**	**180**	**220**	**44,000**	**430**	**390**	**35**	**440**	**3,900**	**180**

Notes

All results in micrograms per cubic meter (µg/m^3)
Compound not detected above reporting limt
<100 Bold indicates compound detected above reporting limit.
100 Bold type & shaded indicates compound detected exceeds commercial screening level
100 ESL = Environmental Screening Level, San Francisco Bay Regional Water Quality Control Board (SFBRWQCB), 2019 (Rev 2) Screening Level
(C) = Carcinogenic risk
(NC) = Non-carcinogenic risk
- = no screening level available
NA = not analyzed
J = Estimated value that is less than the laboratory reporting limit but equal to or greater than the laboratory method detection limit.
Footnote1 = Sample collected between 8AM and 4PM
Footnote2 = Sample collected between 4PM and 12AM
Footnote3 = Sample collected between 12AM and 8AM

Table 7
Historical Outdoor Air Sampling Data
Latitude High School
1045 Derby Avenue
Oakland, California

Sample Location	Sample Date	Tetrahydrofuran	Toluene	Trichloro-ethene	Butane	ETBE	Ethyl Acetate	TAME	tert-Butanol
A1	7/30/2018	NA	4.4	NA	1.4	NA	18	NA	NA
A2	7/30/2018	NA	2.0	NA	<1.2	NA	13	NA	NA
A2-DUP	7/30/2020	NA	2.2	NA	1.2	NA	15	NA	NA
A3	7/30/2018	NA	3.0	NA	<1.2	NA	12	NA	NA
OA1	7/16/2019	<0.35	0.54	<0.053	NA	NA	NA	NA	NA
OA2	7/16/2019	<0.32	2.4	<0.048	NA	NA	NA	NA	NA
OA3	7/16/2019	<0.34	0.56	<0.051	NA	NA	NA	NA	NA
OA4	8/4/2019[1]	2.07	6.20	NA	NA	0.0251	8.46	<0.0209	NA
	8/4/2019[2]	3.25	0.47	NA	NA	<0.0209	18.5	<0.0209	1.97
	8/5/2019[3]	2.86	1.33	NA	NA	0.0376	9.94	0.0251	NA
	8/25/2019[1]	<1.0	0.61	<0.13	NA	NA	NA	NA	NA
	9/1/2019[1]	<1.0 UJ	0.72	0.14 J	NA	NA	NA	NA	NA
	9/8/2019[1]	<0.34	0.41	<0.051	NA	NA	NA	NA	NA
OA5	8/4/2019[1]	1.62	2.53	NA	NA	0.0293	7.56	<0.0209	NA
	8/4/2019[2]	0.826	0.47	NA	NA	<0.0209	0.648	0.0209	1.15
	8/5/2019[3]	0.463	0.40	NA	NA	0.0209	1.91	0.0251	NA
	8/25/2019[1]	<1.0	0.52	<0.12	NA	NA	NA	NA	NA
	9/1/2019[1]	<1.0 UJ	0.56	0.2	NA	NA	NA	NA	NA
	9/8/2019[1]	<0.34	0.46	<0.052	NA	NA	NA	NA	NA
Screening Level	***2019 January SF RWQCB Commercial C ESL***	**--**	**--**	**3**	**--**	**--**			
	2019 January SF RWQCB Commercial NC ESL	**--**	**1,300**	**8.8**	**--**	**--**	**--**	**--**	**--**

Notes

All results in micrograms per cubic meter ($\mu g/m^3$)

<100 — Compound not detected above reporting limt

100 — Bold indicates compound detected above reporting limit.

100 — Bold type & shaded indicates compound detected exceeds commercial screening level

ESL = Environmental Screening Level, San Francisco Bay Regional Water Quality Control Board (SFBRWQCB), 2019 (Rev 2) Screening Level

(C) = Carcinogenic risk

(NC) = Non-carcinogenic risk

- = no screening level available

NA = not analyzed

J = Estimated value that is less than the laboratory reporting limit but equal to or greater than the laboratory method detection limit.

Footnote1 = Sample collected between 8AM and 4PM

Footnote2 = Sample collected between 4PM and 12AM

Footnote3 = Sample collected between 12AM and 8AM

Table 8
Historical Indoor Air Sampling Data
Latitude High School
1045 Derby Avenue
Oakland, California

Sample Location	Sample Date	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	1,3-Butadiene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane	2-Butanone (MEK)	2-Hexanone	2-Propanol	4-Ethyltoluene	4-Methyl-2-pentanone
A4	7/30/2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.2	NA	14	NA	NA
A5	7/30/2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.6	NA	16	NA	NA
A6	7/30/2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.1	NA	8.7	NA	NA
IA1	7/23/2019	0.044 J	<0.014	<0.0047	<0.0096	<0.015	<0.70	0.81 J	0.058 J	<0.054	0.42 J	<0.082	<0.25	0.16 J	<0.15	1.1 J	<0.55	0.74 J	1.3	<0.13
IA2	7/16/2019	<0.020	<0.034	<0.031	<0.021	<0.018	<1.0	0.42 J	0.082 J	<0.16	<0.19	<0.15	<0.53	<0.12	0.33 J	1.7 J	<0.27	2.9	0.32 J	0.28 J
IA3	7/16/2019	<0.021	<0.036	<0.033	<0.022	<0.018	<1.1	0.46 J	0.091 J	<0.17	<0.20	<0.16	<0.56	<0.13	0.28 J	2.6	<0.28	9.3	0.39 J	0.34 J
IA4	7/16/2019	<0.024	<0.040	<0.037	<0.025	<0.021	<1.2	0.42 J	0.092 J	<0.19	<0.23	<0.18	<0.64	<0.15	0.18 J	2.5 J	<0.32	4.8	0.37 J	0.35 J
IA5	7/16/2019	<0.022	<0.038	<0.035	<0.023	<0.020	<1.1	0.40 J	0.088 J	<0.18	<0.22	<0.17	<0.60	<0.14	<0.10	2.6	<0.30	5.0	0.33 J	0.35 J
IA05	8/4/2019[1]	<0.0273	<0.0687	0.18	<0.0203	0.631	<0.0371	0.31 J	0.020 J	0.037	0.0738	0.0597	<0.0301	<0.0301	**3.49**	9.4	13.5	16.1	0.15 J	0.56 J
	8/4/2019[2]	<0.0273	0.158	0.12	<0.0203	0.572	0.0445	0.48 J	0.024 J	0.0231	0.138	<0.0442	<0.0301	<0.0301	**1.97**	<0.0148	9.02	15.8	0.27 J	0.55 J
	8/4/2019[2]	<0.0273	**0.295**	**1.25**	0.186	0.56	<0.0371	0.44 J	0.028 J	0.0554	0.138	<0.0442	<0.0301	<0.0301	**5.04**	<0.0148	13.9	17.6	0.22 J	3.03 J
	8/5/2019[3]	<0.0273	<0.0687	0.0819	<0.0203	0.421	<0.0371	0.33 J	0.020 J	0.0277	0.0935	0.0663	<0.0301	<0.0301	<0.0180	2.7	11	15.6	0.16 J	0.45 J
	8/5/2019[3]	<0.0273	<0.0687	0.0601	<0.0203	0.437	<0.0371	0.33 J	0.020 J	<0.0231	0.0984	0.0641	<0.0301	<0.0301	<0.0180	5.4	9.96	17.4	0.19 J	0.53 J
	8/25/2019[1]	<0.051	<0.070	<0.051	<0.042	<0.049	<2.1	0.26 J	0.052 J	<0.17	<0.15	<0.074	<0.32	<0.11	<0.30	<0.47	<0.80	2.0	<0.18	<0.16
	9/1/2019[1]	<0.053	<0.073	<0.053	<0.043	<0.051	<2.2	0.36 J	0.054 J	<0.18	<0.16	<0.077	<0.33	<0.11	0.35 J	0.79 J	<0.84	1.8 J	<0.18	<0.16
	9/8/2019[1]	<0.022	<0.037	<0.034	<0.023	<0.019	<1.1	1.0 J	0.047 J	<0.17	0.27 J	<0.16	<0.58	<0.14	<0.10	<0.28	<0.29	1.4 J	0.48 J	<0.21
	9/8/2019[1]	<0.021	<0.035	<0.033	<0.022	<0.018	<1.1	0.31 J	0.047 J	<0.17	<0.20	<0.16	<0.56	<0.13	<0.096	0.31 J	<0.28	1.5 J	0.29 J	<0.20
IA6	7/16/2019	<0.022	<0.037	<0.035	<0.023	<0.019	<1.1	0.44 J	0.098 J	<0.18	<0.21	<0.17	<0.59	<0.14	<0.10	2.6	<0.30	6.9	0.38 J	0.39 J
IA-06	8/4/2019[1]	<0.0273	<0.0687	0.126	<0.0203	0.742	<0.0371	0.52 J	0.032 J	0.0323	0.148	0.0641	<0.0301	0.0301	**4.54**	6.2	16.4	7.3	0.25 J	0.80 J
	8/4/2019[2]	<0.0273	**0.206**	**0.448**	0.0567	0.643	0.0371	0.79 J	0.032 J	0.0416	0.246	0.0751	<0.0301	<0.0301	**2.56**	6.2	16.5	7.6	0.46 J	1.57 J
	8/4/2019[3]	<0.0273	<0.0687	0.0328	<0.0203	0.369	<0.0371	0.48 J	0.032 J	0.0231	0.138	<0.0442	<0.0301	0.168	**4.21**	17.1	13.8	5.8	0.22 J	0.57 J
	8/25/2019[1]	<0.054	<0.074	<0.054	<0.044	<0.052	<2.2	0.64 J	0.040 J	<0.18	<0.16	<0.078	<0.34	<0.11	<0.31	0.53 J	<0.85	14.0	0.19 J	<0.16
	9/1/2019[1]	0.14 J	<0.073	<0.053	<0.043	<0.051	<2.2	0.53 J	0.049 J	<0.18	<0.16	<0.077	<0.33	<0.11	<0.31	0.82 J	<0.84	11 J	<0.18	<0.16
	9/8/2019[1]	<0.022	<0.037	<0.035	<0.023	<0.019	<1.1	0.46 J	0.041 J	<0.18	<0.21	<0.17	<0.59	<0.14	<0.10	0.41 J	<0.30	6.3	0.38 J	<0.22
IA7	7/16/2019	<0.021	<0.035	<0.032	<0.022	<0.018	<1.0	0.41 J	0.093 J	<0.16	<0.20	<0.55	<0.096	<0.13	0.23 J	2.7	<0.28	4.9	0.35 J	0.38 J
IA8	7/30/2019	<0.099	<0.0063	<0.003	<0.14	<0.076	<0.09	0.70 J	0.130 J	0.021	0.23 J	<0.048	<0.061	0.068	<0.0011	9.9	0.29 J	NA	<0.035	1.90 J
IA08	8/25/2019[1]	<0.051	<0.070	<0.051	<0.042	<0.049	<2.1	0.51 J	<0.023	<0.17	<0.15	<0.074	<0.32	<0.11	<0.30	1.4 J	<0.80	8.1	<0.18	<0.16
	9/1/2019[1]	<0.052	<0.072	<0.052	<0.042	<0.050	<2.1	0.57 J	0.028 J	<0.18	<0.16	<0.075	<0.33	<0.11	<0.30	2.6	<0.82	17 J	<0.18	<0.16
	9/8/2019[1]	<0.023	<0.039	<0.036	<0.024	<0.020	<1.2	0.34 J	<0.028	<0.18	<0.22	<0.18	<0.62	<0.14	<0.11	1.9 J	<0.31	20.0	<0.24	0.36 J
IA9	7/30/2019	<0.099	<0.0063	<0.003	<0.14	<0.076	<0.09	0.74 J	0.086 J	0.014	0.19 J	<0.048	<0.061	0.11	<0.0011	2.5 J	0.19 J	NA	<0.035	0.33 J
IA09	8/25/2019[1]	<0.053	<0.073	<0.053	<0.043	<0.051	<2.2	0.59 J	<0.024	<0.18	<0.16	<0.077	<0.33	<0.11	<0.31	0.63 J	<0.84	12.0	<0.18	<0.16
	9/1/2019[1]	<0.056	<0.078	<0.057	<0.046	<0.054	<2.3	0.61 J	0.035 J	<0.19	<0.17	<0.082	<0.35	<0.12	<0.33	<0.52	<0.89	11 J	<0.20	<0.17
	9/8/2019[1]	<0.021	<0.036	<0.033	<0.022	<0.019	<1.1	0.66 J	0.040 J	<0.17	<0.20	<0.16	<0.57	<0.13	0.13 J	0.56 J	<0.28	9.4	0.49 J	<0.21
IA10	8/25/2019[1]	<0.051	<0.070	<0.051	<0.042	<0.049	<2.1	0.80 J	0.034 J	<0.17	<0.15	<0.074	<0.32	<0.11	**0.40 J**	0.51 J	<0.80	23.0	0.18 J	<0.16
	9/1/2019[1]	<0.050	<0.069	<0.050	<0.041	<0.048	<2.0	0.99 J	0.031 J	<0.17	<0.15	<0.072	<0.31	<0.10	<0.29	3.1	<0.79	4.7 J	<0.17	<0.15
	9/8/2019[1]	<0.022	<0.038	<0.036	<0.024	<0.020	<1.2	0.55 J	0.038 J	<0.18	<0.22	<0.17	<0.60	<0.14	0.70 J	0.45 J	<0.30	4.3	0.44 J	<0.22
Screening Level	***2019 January SF RWQCB Commercial C ESL***	**--**	**0.21**	**0.77**	**7.7**	**--**	**--**	**--**	**47**	**1.2**	**--**	**--**	**--**	**1.1**	**1.6**	**--**	**--**	**--**	**--**	**--**
	2019 January SF RWQCB Commercial NC ESL	**4,400**	**--**	**0.88**	**--**	**310**	**8.8**	**--**	**31**	**18**	**--**	**--**	**--**	**3,500**	**130**	**22,000**	**--**	**--**	**--**	**--**

Table 8
Historical Indoor Air Sampling Data
Latitude High School
1045 Derby Avenue
Oakland, California

Sample Location	Sample Date	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	1,3-Butadiene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane	2-Butanone (MEK)	2-Hexanone	2-Propanol	4-Ethyltoluene	4-Methyl-2-pentanone
IA11	8/4/2019[1]	<0.0273	**0.0893**	**0.743**	<0.0203	0.54	0.0371	0.29 J	0.032 J	0.0508	0.0738	0.0751	0.0481	0.0481	**3.20 J**	8.2	14.9	10.3	0.17 J	2.03 J
	8/5/2019[3]	<0.0273	<0.0687	**1.65**	0.369	0.413	<0.0371	0.45 J	0.032 J	0.0693	0.103	0.239	<0.0301	<0.0301	**3.85 J**	10.7	18.5	10.0	0.24 J	3.08 J
	8/25/2019[1]	<0.053	<0.073	<0.053	<0.043	<0.051	<2.2	0.94 J	0.041 J	<0.18	<0.16	<0.077	<0.33	<0.11	<0.31	0.54 J	<0.84	4.3	0.19 J	<0.16
	9/1/2019[1]	<0.051	<0.070	<0.051	<0.042	<0.049	<2.1	0.57 J	0.048 J	<0.17	<0.15	<0.074	<0.32	<0.11	<0.30	2.4	<0.80	3.2 J	<0.18	<0.16
	9/1/2019[1]	<0.054	<0.074	<0.054	<0.044	<0.052	<2.2	0.42 J	0.050 J	<0.18	<0.16	<0.078	<0.34	**0.57**	<0.31	0.73 J	<0.85	2.4 J	<0.19	<0.16
	9/8/2019[1]	<0.022	<0.038	<0.036	<0.024	<0.020	<1.2	0.55 J	0.041 J	<0.18	<0.22	<0.17	<0.60	<0.14	<0.10	0.74 J	<0.30	3.0	0.47 J	<0.22
IA12	8/4/2019[1]	<0.0273	**0.405**	**0.977**	0.0527	0.647	<0.0371	0.37 J	0.032 J	0.0832	0.118	0.0906	<0.0301	<0.0301	**4.14 J**	9.2	14.6	13.3	0.21 J	2.75 J
	8/5/2019[2]	<0.0273	**0.131**	0.0328	<0.0203	0.639	0.104	0.71 J	0.028 J	0.0231	0.177	0.0707	<0.0301	0.0481	**3.60 J**	8.9	12.9	20.1	0.32 J	1.18 J
	8/4/2019[3]	<0.0273	<0.0687	0.164	<0.0203	0.425	0.0519	0.48 J	0.024 J	0.0231	0.113	0.0663	<0.0301	<0.0301	**3.64 J**	7.1	14.1	15.8	0.22 J	1.49 J
	8/25/2019[1]	<0.057	<0.079	<0.058	<0.047	<0.056	<2.4	0.80 J	0.043 J	<0.20	<0.17	<0.083	<0.36	<0.12	<0.33	<0.53	<0.91	16.0	<0.20	<0.18
	8/25/2019[1]	<0.051	<0.070	<0.051	<0.042	<0.049	<2.1	0.78 J	0.044 J	<0.17	<0.15	<0.074	<0.32	<0.11	<0.30	1.6 J	<0.80	16.0	<0.18	<0.16
	9/1/2019[1]	0.17 J	<0.073	<0.053	<0.043	0.14	<2.2	0.87 J	0.050 J	<0.18	<0.16	<0.077	<0.33	<0.11	<0.31	0.66 J	<0.84	12 J	<0.18	<0.16
	9/8/2019[1]	<0.022	<0.037	<0.035	<0.023	<0.019	<1.1	0.81 J	0.044 J	<0.18	0.24 J	<0.17	<0.59	<0.14	0.16 J	0.65 J	<0.30	16.0	0.62 J	0.22 J
Crawl Space																				
CS1	7/16/2019	<0.22	<0.38	<0.36	<0.24	<0.20	<12	11	<0.28	<1.8	4.0 J	<1.7	<6.0	<1.4	<1.0	9.6 J	<3.0	4.1 J	12	3.5 J
Screening Level	***2019 January SF RWQCB Commercial C ESL***	**--**	**0.21**	**0.77**	**7.7**	**--**	**--**	**--**	**47**	**1.2**	**--**	**--**	**--**	**1.1**	**1.6**	**--**	**--**	**--**	**--**	**--**
	2019 January SF RWQCB Commercial NC ESL	**4,400**	**--**	**0.88**	**--**	**310**	**8.8**	**--**	**31**	**18**	**--**	**--**	**--**	**3,500**	**130**	**22,000**	**--**	**--**	**--**	**--**

Notes

All results in micrograms per cubic meter (µg/m^3)

<100 Compound not detected above reporting limt

100 Bold indicates compound detected above reporting limit.

100 Bold type & shaded indicates compound detected exceeds commercial screening level

- = no screening level available

ND = not detected

NA = not analyzed

mg/kg = milligrams per kilogram

µg/kg = micrograms per kilogram

ft bgs = feet below ground surface

TPHg = total petroleum hydrocarbon quantified as gasoline

TAME = tertiary amyl methyl ether

MTBE = methyl tertiary butyl ether

'ESL = Environmental Screening Level, San Francisco Bay Regional Water Quality Control Board (SFBRWQCB), 2019 (Rev 2) Screening Level

C = Carcinogenic risk

NC = Non-carcinogenic risk

Footnote1 = Sample collected between 8AM and 4PM

Footnote2 = Sample collected between 4PM and 12AM

Footnote3 = Sample collected between 12AM and 8AM

Table 8
Historical Indoor Air Sampling Data
Latitude High School
1045 Derby Avenue
Oakland, California

Sample Location	Sample Date	Acetone	Benzene	Bromodichloromethane	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Cumene	Cyclohexane	Ethanol	Ethyl Benzene	Freon 11	Freon 113	Freon 114	Freon 12
A4	7/30/2018	15	NA	NA	NA	NA	NA	NA	NA	1.4	NA	NA	39	NA	NA	NA	NA	NA
A5	7/30/2018	25	NA	NA	NA	NA	NA	NA	NA	1.3	NA	NA	24	NA	NA	NA	NA	NA
A6	7/30/2018	20	NA	NA	NA	NA	NA	NA	NA	1.4	NA	NA	35	NA	NA	NA	NA	NA
IA1	7/23/2019	8.2	**0.32**	<0.096	<0.20	**0.50**	<0.062	0.050 J	**0.14 J**	0.82 J	<0.19	<0.14	18	0.18	1.4	0.46 J	0.10 J	2.4
IA2	7/16/2019	27	**0.24 J**	<0.38	<0.56	**0.57**	<0.19	0.12 J	**0.17**	1.4 J	<0.25	<0.19	22	1.6	1.5	<0.78	0.12 J	2.4
IA3	7/16/2019	39	**0.28**	<0.40	<0.59	**0.57**	<0.20	0.14 J	**0.17**	1.4 J	<0.27	<0.20	29	0.63	1.3	<0.83	0.12 J	2.5
IA4	7/16/2019	32	**0.27 J**	<0.46	<0.66	**0.55**	<0.23	0.070 J	**0.16 J**	1.4 J	<0.30	<0.23	36	0.28	1.4	<0.94	0.12 J	2.5
IA5	7/16/2019	38	**0.28**	<0.43	<0.62	**0.53**	<0.21	0.078 J	**0.14 J**	1.5 J	<0.29	<0.22	35	0.25	1.3	<0.88	0.12 J	2.4
IA05	8/4/2019[1]	48.1	**0.15**	<0.0335	0.0218	**0.15**	0.0138	0.026 J	0.05 J	0.5 J	NA	NA	NA	0.07	0.6	0.138	NA	1.2
	8/4/2019[2]	40.2	**0.14**	<0.0335	<0.0156	**0.15**	0.0138	0.058 J	0.05 J	0.5 J	NA	NA	NA	0.11	0.6	0.138	NA	1.2
	8/4/2019[2]	48.5	**0.14**	0.0335	<0.0156	**0.15**	0.0138	0.045 J	<0.0244	0.5 J	NA	NA	NA	0.09	0.6	0.13	NA	1.1
	8/5/2019[3]	39.1	**0.16**	<0.0335	0.124	**0.15**	0.0092	0.034 J	0.06 J	0.4 J	NA	NA	NA	0.08	0.6	0.138	NA	1.1
	8/5/2019[3]	43.6	**0.17**	<0.0335	0.0653	**0.15**	0.0138	0.045 J	0.05 J	0.5 J	NA	NA	NA	0.08	0.6	0.138	NA	1.3
	8/25/2019[1]	7.2 J	**0.26**	<0.38	<0.42	**0.49**	<0.18	<0.030	0.096 J	0.74 J	<0.12	<0.14	5.9	0.10 J	1.1	0.55 J	0.10 J	2.1
	9/1/2019[1]	8.4	**0.27**	<0.39	<0.43	**0.45**	<0.19	<0.031	0.098 J	0.72 J	<0.12	<0.15	6.5	0.14	1.0	0.62 J	0.11 J	2.0
	9/8/2019[1]	4.9	**0.20 J**	<0.42	<0.61	**0.44**	<0.21	<0.017	0.093 J	0.98 J	<0.28	<0.21	3.6	0.22	1.3	<0.86	0.11 J	2.0
	9/8/2019[1]	5.8	**0.34**	<0.40	<0.58	**0.46**	<0.20	<0.016	0.094 J	1.0 J	<0.27	<0.20	3.8	0.11 J	1.3	<0.82	0.11 J	2.0
IA6	7/16/2019	37	**0.30**	<0.42	<0.61	**0.53**	<0.21	0.067 J	**0.15 J**	1.4 J	<0.28	<0.21	64	0.30	1.4	<0.87	0.13 J	2.5
IA-06	8/4/2019[1]	53.4	**0.22**	<0.0335	0.0498	**0.31**	0.0184	0.029 J	0.07 J	0.4 J	NA	NA	NA	0.17	0.8	0.283	NA	1.2
	8/4/2019[2]	57.2	**0.20**	<0.0335	0.0902	**0.31**	0.0138	0.048 J	0.08 J	0.5 J	NA	NA	NA	0.12	0.8	0.283	NA	1.1
	8/4/2019[3]	46.5	**0.24**	<0.0335	<0.0156	**0.32**	0.0138	0.029 J	**0.34 J**	0.4 J	NA	NA	NA	0.09	0.8	0.283	NA	1.1
	8/25/2019[1]	39 J	<0.15	<0.40	<0.44	**0.26**	<0.20	<0.032	0.091 J	1.3 J	0.82	<0.15	11	0.24	1.0	0.39 J	0.11 J	2.0
	9/1/2019[1]	32	**0.25 J**	<0.39	<0.43	**0.31**	<0.19	0.053 J	0.12 J	1.1 J	<0.12	<0.15	12	0.16	1.1	0.40 J	0.11 J	2.1
	9/8/2019[1]	8	**0.13 J**	<0.42	<0.62	**0.33**	<0.21	0.027 J	0.096 J	1.2 J	<0.28	<0.22	5.9	0.081 J	1.2	<0.87	0.11 J	2.1
IA7	7/16/2019	51	**0.35**	<0.40	<0.58	**0.56**	<0.20	0.092 J	**0.14 J**	1.5 J	<0.26	<0.20	55	0.31	1.4	<0.82	0.12 J	2.5
IA8	7/30/2019	33	**0.18**	<0.0028	1.1	**0.52**	<0.024	<0.046	**0.21 J**	0.7 J	NA	1.1 J	NA	0.96	NA	0.54 J	NA	NA
IA08	8/25/2019[1]	17 J	<0.14	<0.38	<0.42	<0.091	<0.18	<0.030	0.067 J	0.85 J	<0.12	<0.14	34	<0.089	0.38 J	<0.23	<0.064	2.0
	9/1/2019[1]	84	<0.15	<0.38	<0.42	**0.15 J**	<0.19	0.059 J	**0.13 J**	0.99 J	<0.12	0.22 J	86	0.16	1.1	<0.24	0.12 J	2.0
	9/8/2019[1]	15	0.062 J	<0.44	<0.64	**0.16 J**	<0.22	<0.018	**0.13 J**	1.2 J	<0.30	<0.22	86	0.11 J	1.4	<0.91	0.13 J	2.0
IA9	7/30/2019	30	**0.15**	<0.0028	0.14 J	**0.49**	<0.024	<0.046	**0.32 J**	0.7 J	NA	0.63 J	NA	0.43 J	NA	0.51 J	NA	NA
IA09	8/25/2019[1]	270 J	<0.15	<0.39	<0.43	<0.094	<0.19	<0.031	0.058 J	0.90 J	<0.12	<0.15	150 E	0.12 J	0.61 J	<0.24	0.085 J	2.2
	9/1/2019[1]	67	<0.16	<0.41	<0.46	**0.20 J**	<0.20	<0.033	0.095 J	0.81 J	<0.13	0.24 J	110	0.16	0.89 J	0.28 J	0.10 J	2.0
	9/8/2019[1]	26	**0.12 J**	<0.41	<0.59	**0.29**	<0.20	0.023 J	0.12 J	1.1 J	<0.27	<0.21	90	0.11 J	1.4	<0.84	0.13 J	2.0
IA10	8/25/2019[1]	43 J	**0.16 J**	<0.38	<0.42	**0.22**	<0.18	<0.030	**0.16 J**	1.2 J	<0.12	<0.14	24	<0.089	1.0	0.37 J	0.12 J	2.2
	9/1/2019[1]	33	**0.18 J**	<0.37	<0.41	**0.21**	<0.18	<0.030	0.12 J	0.92 J	<0.12	<0.14	46	0.11 J	1.0	0.25 J	0.098 J	1.9
	9/8/2019[1]	8.4	**0.24 J**	<0.43	<0.63	**0.33**	<0.22	<0.017	**0.18 J**	1.3 J	<0.29	<0.22	17	0.096 J	1.5	<0.89	0.13 J	2.1
Screening Level	***2019 January SF RWQCB Commercial C ESL***	**--**	**0.4**	**0.33**	**--**	**2**	**--**	**--**	**0.53**	**--**	**--**	**--**	**--**	**4.9**	**--**	**--**	**--**	**--**
	2019 January SF RWQCB Commercial NC ESL	**140,000**	**13**	**--**	**--**	**180**	**220**	**44,000**	**430**	**390**		**--**	**--**	**4,400**	**--**	**--**	**--**	**--**

Table 8
Historical Indoor Air Sampling Data
Latitude High School
1045 Derby Avenue
Oakland, California

Sample Location	Sample Date	Acetone	Benzene	Bromodichloromethane	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Cumene	Cyclohexane	Ethanol	Ethyl Benzene	Freon 11	Freon 113	Freon 114	Freon 12
IA11	8/4/2019[1]	60.3	**0.46**	<0.0335	0.6	**0.25**	0.0138	0.050 J	0.12 J	0.5 J	NA	NA	NA	0.16	0.9	0.245	NA	1.3
	8/5/2019[3]	69.4	**0.14**	0.0469	0.028	**0.19**	0.0092	0.053 J	<0.0244	0.7 J	NA	NA	NA	0.14	0.7	0.192	NA	1.3
	8/25/2019[1]	20 J	**0.17 J**	<0.39	<0.43	**0.40**	<0.19	0.065 J	0.10 J	0.82 J	<0.12	<0.15	22	0.097 J	1.3	0.52 J	0.14 J	2.0
	9/1/2019[1]	44	**0.26**	<0.38	<0.42	**0.44**	<0.18	0.032 J	**0.17 J**	0.72 J	<0.12	<0.14	10	0.14	1.0	0.55 J	0.11 J	1.9
	9/1/2019[1]	14	**0.27**	<0.40	<0.44	**0.45**	<0.20	<0.032	0.12 J	0.73 J	<0.12	<0.15	8.3	0.13 J	1.1	0.67 J	0.15 J	2.0
	9/8/2019[1]	15	**0.71**	<0.43	<0.63	**0.39**	<0.22	0.066 J	0.10 J	1.2 J	<0.29	0.31 J	4.8	0.16	1.4	<0.89	0.11 J	2.0
IA12	8/4/2019[1]	50.7	**0.18**	<0.0335	0.165	**0.23**	0.0184	0.034 J	0.06 J	0.4 J	NA	NA	NA	0.10	0.8	0.214	NA	1.2
	8/5/2019[2]	56.8	**0.18**	<0.0335	<0.0156	**0.25**	0.0138	0.069 J	0.11 J	0.5 J	NA	NA	NA	0.12	0.8	0.245	NA	1.3
	8/4/2019[3]	59.1	**0.20**	<0.0335	<0.0156	**0.21**	0.0138	0.040 J	<0.0244	0.4 J	NA	NA	NA	0.11	0.8	0.207	NA	1.3
	8/25/2019[1]	25 J	<0.16	<0.42	<0.47	**0.37**	<0.21	0.045 J	0.12 J	0.91 J	0.43 J	<0.16	11	<0.10	1.1	0.68 J	0.11 J	2.0
	8/25/2019[1]	39 J	**0.34**	<0.38	<0.42	**0.40**	<0.18	0.080 J	0.12 J	2.6 J	0.34 J	<0.14	12	<0.089	1.1	0.61 J	0.11 J	2.0
	9/1/2019[1]	18	**0.19 J**	<0.39	<0.43	**0.42**	<0.19	0.050 J	**0.15 J**	0.86 J	<0.12	<0.15	11	0.10 J	1.2	0.92 J	0.11 J	2.0
	9/8/2019[1]	21	**0.11 J**	<0.42	<0.62	**0.41**	<0.21	0.088 J	0.12 J	1.4 J	<0.28	<0.22	4.8	0.16	1.4	<0.87	0.11 J	2.0
Crawl Space																		
CS1	7/16/2019	120	4.1	<4.3	15 J	<0.44	<2.2	<0.17	**0.44 J**	1.8 J	<2.9	3.0 J	75	**14**	<1.7	<8.9	<0.31	2.4
Screening Level	***2019 January SF RWQCB Commercial C ESL***	**--**	**0.4**	**0.33**	**--**	**2**	**--**	**--**	**0.53**	**--**	**--**	**--**	**--**	**4.9**	**--**	**--**	**--**	**--**
	2019 January SF RWQCB Commercial NC ESL	**140,000**	**13**	**--**	**--**	**180**	**220**	**44,000**	**430**	**390**		**--**	**--**	**4,400**	**--**	**--**	**--**	**--**

Notes

	All results in micrograms per cubic meter (µg/m^3)
<100	Compound not detected above reporting limt
100	Bold indicates compound detected above reporting limit.
100	Bold type & shaded indicates compound detected exceeds construction worker screening level

- = no screening level available
ND = not detected
NA = not analyzed
mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram
ft bgs = feet below ground surface
TPHg = total petroleum hydrocarbon quantified as gasoline

MTBE = methyl tertiary butyl ether
'ESL = Environmental Screening Level, San Francisco Bay Regional Water Quality Control Board (SFBRWQCB), 2019 (Rev 2) Screening Level
C = Carcinogenic risk
NC = Non-carcinogenic risk
Footnote1 = Sample collected between 8AM and 4PM
Footnote2 = Sample collected between 4PM and 12AM
Footnote3 = Sample collected between 12AM and 8AM

Table 8
Historical Indoor Air Sampling Data
Latitude High School
1045 Derby Avenue
Oakland, California

Sample Location	Sample Date	Heptane	Hexane	m,p-Xylene	Methyl tert-butyl ether	Methylene Chloride	Naphthalene	o-Xylene	Propylbenzene	Styrene	Tetrachloroethene	Tetrahydrofuran	Toluene	trans-1,2-Dichloroethene	Trichloroethene	TPHg	ETBE	Ethyl Acetate	TAME	tert-Butanol
A4	7/30/2018	NA	NA	NA	NA	<1.7	NA	NA	NA	NA	NA	NA	3.1	NA	NA	NA	NA	13	NA	NA
A5	7/30/2018	NA	NA	NA	NA	3.5	NA	NA	NA	NA	NA	NA	<1.9	NA	NA	NA	NA	8	NA	NA
A6	7/30/2018	NA	NA	NA	NA	<1.7	NA	NA	NA	NA	NA	NA	<1.9	NA	NA	NA	NA	7.5	NA	NA
IA1	7/23/2019	<0.15	<0.15	0.57	<0.018	0.48 J	0.19 J	0.24	0.30 J	<0.18	0.033 J	<0.36	0.94	<0.011	<0.019	NA	NA	NA	NA	NA
IA2	7/16/2019	0.39 J	<0.34	5.6	<0.011	0.77 J	0.19 J	1.3	<0.22	1.0	<0.057	1.2 J	1.7	<0.019	0.17	NA	NA	NA	NA	NA
IA3	7/16/2019	0.41 J	<0.36	2.2	<0.012	0.79 J	0.20 J	0.69	<0.23	0.62 J	0.089 J	1.9 J	2.3	<0.020	0.054 J	NA	NA	NA	NA	NA
IA4	7/16/2019	0.43 J	<0.41	0.90	<0.014	0.82 J	0.20 J	0.39	<0.26	1.0	0.086 J	2.9	1.6	<0.023	<0.053	NA	NA	NA	NA	NA
IA5	7/16/2019	0.36 J	<0.38	0.75	<0.013	0.76 J	0.19 J	0.34	<0.24	0.44 J	<0.064	2.8	1.5	<0.022	<0.050	NA	NA	NA	NA	NA
IA05	8/4/2019[1]	NA	0.905	0.19	0.0217	0.19 J	0.58 J	0.09	NA	0.13 J	0.163	3.3	0.5	<0.0198	NA	NA	0.109	16.5	<0.0209	NA
	8/4/2019[2]	NA	<0.0176	0.28	<0.0181	0.18 J	0.72 J	0.11	NA	0.15 J	NA	0.7	0.4	<0.0198	NA	NA	0.0251	2.01	<0.0209	<0.0303
	8/4/2019[2]	NA	<0.0176	0.22	<0.0181	0.21 J	**0.76 J**	0.09	NA	0.15 J	NA	4.0	1.8	0.0198	NA	NA	0.117	5.76	<0.0209	<0.0303
	8/5/2019[3]	NA	0.957	0.19	<0.0181	0.19 J	**0.57 J**	0.08	NA	0.14 J	0.197	1.3	0.5	<0.0198	NA	NA	<0.0209	1.86	0.0209	NA
	8/5/2019[3]	NA	0.391	0.21	<0.0181	0.20 J	**0.58 J**	0.09	NA	0.17 J	0.149	0.8	0.3	<0.0198	NA	NA	<0.0209	2.03	<0.0209	NA
	8/25/2019[1]	<0.22	<0.31	0.30	<0.049	0.56 J	<0.069	0.12 J	<0.19	<0.071	<0.040	<0.91	0.5	<0.047	<0.11	<63	NA	NA	NA	NA
	9/1/2019[1]	<0.22	<0.32	0.46	<0.050	0.39 J	<0.072	0.19	<0.20	<0.074	0.16 J	<0.94 UJ	0.7	<0.049	0.14 J	<66	NA	NA	NA	NA
	9/8/2019[1]	<0.31	<0.37	0.66	<0.012	<0.54	0.10 J	0.14 J	<0.24	<0.10	<0.062	<0.32	0.4	<0.021	<0.049	<69	NA	NA	NA	NA
	9/8/2019[1]	<0.30	<0.36	0.41	<0.012	<0.52	0.057 J	0.15	<0.23	<0.096	<0.060	<0.31	0.7	<0.020	<0.047	<66	NA	NA	NA	NA
IA6	7/16/2019	0.56 J	<0.38	0.88	<0.012	0.73 J	**0.21 J**	0.40	<0.24	0.44 J	0.068 J	1.9 J	1.6	<0.021	<0.049	NA	NA	NA	NA	NA
IA-06	8/4/2019[1]	NA	0.771	0.31	0.0181	0.18 J	**0.72 J**	0.12	NA	0.12 J	0.176 J	3.8 J	0.5	<0.0198	NA	NA	0.0711	22.1	<0.0209	NA
	8/4/2019[2]	NA	2.76	0.32	0.0181	0.18 J	**0.81 J**	0.14	NA	0.19 J		2.7 J	1.2	<0.0198	NA	NA	0.0376	8.32	<0.0209	9.82
	8/4/2019[3]	NA	0.348	0.24	<0.0181	0.22 J	**0.66 J**	0.10	NA	0.18 J	0.210 J	1.7 J	0.4	<0.0198	NA	NA	<0.0209	4.32	0.0209	NA
	8/25/2019[1]	<0.23	<0.32	0.26 J	<0.051	0.58 J	<0.073	0.14 J	0.52 J	0.64 J	<0.042	<0.96	0.7	<0.050	<0.12	<67	NA	NA	NA	NA
	9/1/2019[1]	<0.22	<0.32	0.60	<0.050	1.20 J	<0.072	0.29	<0.20	<0.074	0.054 J	<0.94 UJ	1.8	<0.049	0.13 J	110	NA	NA	NA	NA
	9/8/2019[1]	<0.32	<0.38	0.29 J	0.013 J	<0.55	0.066 J	0.11 J	<0.24	<0.10	<0.063	<0.33	0.4	<0.022	<0.050	<70	NA	NA	NA	NA
IA7	7/16/2019	0.49 J	<0.36	0.91	<0.012	0.80 J	**0.22 J**	0.41	<0.23	0.45 J	0.075 J	2.0 J	1.8	<0.020	<0.046					
IA8	7/30/2019	2.20 J	1 J	2.60	<0.084	0.57 J	**0.59 J**	1.10	NA	1.40 J	**0.480 J**	4.5 J	2.4	<0.028	0.013 J					
IA08	8/25/2019[1]	<0.22	<0.31	0.20 J	<0.049	0.44 J	0.074 J	0.12 J	<0.19	<0.071	0.12 J	1.0 J	0.21 J	<0.047	<0.11	<63	NA	NA	NA	NA
	9/1/2019[1]	<0.22	<0.31	0.46	<0.050	0.50 J	**0.084 J**	0.25	<0.20	<0.072	0.21 J	1.2 J	0.5	<0.048	0.12 J	<65	NA	NA	NA	NA
	9/8/2019[1]	<0.33	<0.40	0.31 J	<0.013	<0.58	**0.11 J**	0.18	<0.25	0.17 J	0.17 J	1.7 J	0.25 J	<0.022	<0.052	<73	NA	NA	NA	NA
IA9	7/30/2019	2.40 J	0.62 J	1.10	<0.084	2.10 J	**0.21 J**	0.58	NA	0.63 J	0.085 J	<0.033	1.2	<0.028	<0.0055					
IA09	8/25/2019[1]	<0.22	<0.32	0.41	<0.050	0.66 J	<0.072	0.18	<0.20	<0.074	0.049 J	<0.94	0.4	<0.049	<0.12	<66	NA	NA	NA	NA
	9/1/2019[1]	0.58 J	<0.34	0.61	<0.054	0.67 J	<0.076	0.30	<0.21	<0.078	0.074 J	<1.0 UJ	0.8	<0.052	0.14 J	<70	NA	NA	NA	NA
	9/8/2019[1]	0.33 J	<0.36	0.36	<0.012	0.56 J	**0.63 J**	0.21	<0.23	<0.098	<0.061	<0.32	0.5	<0.021	<0.048	82	NA	NA	NA	NA
IA10	8/25/2019[1]	<0.22	<0.31	0.29	<0.049	0.99 J	**0.16 J**	0.14	<0.19	0.91 J	**1.300 J**	<0.91	0.5	<0.047	<0.11	<63	NA	NA	NA	NA
	9/1/2019[1]	<0.21	<0.30	0.40	<0.048	0.41 J	<0.068	0.16	<0.19	0.34 J	0.073 J	<0.89 UJ	0.6	<0.046	0.12 J	<62	NA	NA	NA	NA
	9/8/2019[1]	<0.33	<0.39	0.37	0.016 J	<0.57	0.075 J	0.14 J	<0.25	0.39 J	<0.065	<0.34	0.5	<0.022	<0.051	<72	NA	NA	NA	NA
	2019 January SF RWQCB Commercial C ESL	**--**	**--**	**--**	**47**	**--**	**12**	**--**	**--**	**--**	**2**	**--**	**--**	**--**	**3**	--	**--**	**--**	**--**	**--**
	2019 January SF RWQCB Commercial NC ESL	**--**	**--**	**440**	**13,000**	**--**	**1,800**	**440**	**--**	**3,900**	**180**	**--**	**1,300**	**350**	**8.8**	**2,500**	**--**	**--**	**--**	**--**

Table 8
Historical Indoor Air Sampling Data
Latitude High School
1045 Derby Avenue
Oakland, California

Sample Location	Sample Date	Heptane	Hexane	m,p-Xylene	Methyl tert-butyl ether	Methylene Chloride	Naphthalene	o-Xylene	Propylbenzene	Styrene	Tetrachloroethene	Tetrahydrofuran	Toluene	trans-1,2-Dichloroethene	Trichloroethene	TPHg	ETBE	Ethyl Acetate	TAME	tert-Butanol
IA11	8/4/2019[1]	NA	1.67	0.31	0.0289	0.21 J	**0.72 J**	0.12	NA	0.19 J	0.197 J	0.6 J	2.5	<0.0198	NA	NA	0.117	10.4	<0.0209	
	8/5/2019[3]	NA	17	0.28	0.0686	0.24 J	**0.77 J**	0.12	NA	0.24 J	0.102 J	6.7 J	3.1	0.0475	NA	NA	0.0711	32.7	<0.0209	
	8/25/2019[1]	<0.22	<0.32	0.27 J	<0.050	0.54 J	**0.091 J**	0.12 J	<0.20	<0.074	0.054 J	<0.94	0.4	<0.049	<0.12	<66	NA	NA	NA	NA
	9/1/2019[1]	<0.22	<0.31	0.50	<0.049	0.46 J	<0.069	0.25	<0.19	<0.071	0.047 J	<0.91 UJ	0.7	<0.047	0.12 J	<63	NA	NA	NA	NA
	9/1/2019[1]	<0.23	<0.32	0.46	<0.051	0.46 J	<0.073	0.18	<0.20	<0.075	0.046 J	<0.96 UJ	0.7	<0.050	0.13 J	<67	NA	NA	NA	NA
	9/8/2019[1]	0.34 J	2.3 J	0.59	0.020 J	<0.57	<0.056	0.19	<0.25	0.13 J	<0.065	<0.34	0.5	<0.022	<0.051	<72	NA	NA	NA	NA
IA12	8/4/2019[1]	NA	2.36	0.26	0.0361	0.21 J	**0.74 J**	0.11	NA	0.12 J	0.183 J	2.8 J	4.2	<0.0198	NA	NA	0.109	8.82	<0.0209	NA
	8/5/2019[2]	NA	0.201	0.38	<0.0181	0.19 J	**1.73 J**	0.15	NA	0.21 J	NA	0.3 J	0.4	<0.0198	NA	NA	<0.0209	1.27	<0.0209	7.12
	8/4/2019[3]	NA	0.859	0.30	<0.0181	0.22 J	**0.83 J**	0.11	NA	0.32 J	0.129 J	1.6 J	0.8	<0.0198	NA	NA	<0.0209	14.4	<0.0209	NA
	8/25/2019[1]	<0.24	<0.35	<0.18	0.058 J	0.58 J	<0.078	0.086 J	0.24 J	<0.080	<0.045	<1.0	0.29 J	<0.053	<0.13	<72	NA	NA	NA	NA
	8/25/2019[1]	<0.22	<0.31	0.16 J	0.055 J	0.88 J	<0.069	0.082 J	0.21 J	0.10 J	0.088 J	<0.91	0.28 J	<0.047	<0.11	<63	NA	NA	NA	NA
	9/1/2019[1]	<0.22	<0.32	0.36	<0.050	0.60 J	<0.072	0.14 J	<0.20	<0.074	0.12 J	<0.94 UJ	0.5	<0.049	**0.49**	<66	NA	NA	NA	NA
	9/8/2019[1]	<0.32	<0.38	0.59	0.044 J	<0.55	0.055 J	0.16	<0.24	<0.10	**3.2 J**	<0.33	0.27 J	<0.022	<0.050	<70	NA	NA	NA	NA
Crawl Space																				
CS1	7/16/2019	10	7.9 J	36	<0.13	<5.7	190	13	2.7 J	1.4 J	<0.65	6.9 J	43	<0.22	<0.51	--	--	--	--	--
	2019 January SF RWQCB Commercial C ESL	**--**	**--**	**--**	**47**	**--**	**12**	**--**	**--**	**--**	**2**	**--**	**--**	**--**	**3**	--	**--**	**--**	**--**	**--**
	2019 January SF RWQCB Commercial NC ESL	**--**	**--**	**440**	**13,000**	**--**	**1,800**	**440**	**--**	**3,900**	**180**	**--**	**1,300**	**350**	**8.8**	**2,500**	**--**	**--**	**--**	**--**

Notes

All results in micrograms per cubic meter (µg/m^3)

<100 Compound not detected above reporting limt

100 Bold indicates compound detected above reporting limit.

100 Bold type & shaded indicates compound detected exceeds construction worker screening level

- = no screening level available

ND = not detected

NA = not analyzed

mg/kg = milligrams per kilogram

µg/kg = micrograms per kilogram

ft bgs = feet below ground surface

TPHg = total petroleum hydrocarbon quantified as gasoline

MTBE = methyl tertiary butyl ether

'ESL = Environmental Screening Level, San Francisco Bay Regional Water Quality Control Board (SFBRWQCB), 2019 (Rev 2) Screening Level

C = Carcinogenic risk

NC = Non-carcinogenic risk

Footnote1 = Sample collected between 8AM and 4PM

Footnote2 = Sample collected between 4PM and 12AM

Footnote3 = Sample collected between 12AM and 8AM

Table 9a
2020 Data Gaps Assessment Groundwater Sampling Data - Detected TPH and VOCs
Latitude High School
1045 Derby Avenue
Oakland, California

Sample Location	Sample ID	Date	C10-C28 (DRO) (µg/L)	Chloroform (µg/L)	Remaining TPH & VOCs
EC-MW-1	EC-MW-1	12/22/2020	< 48	< 1.0	ND
	GW-DUP-01-122220	12/22/2020	< 48	< 1.0	ND
EC-MW-2	EC-MW-2	12/22/2020	**55**	< 1.0	ND
EC-MW-3	EC-MW-3	12/21/2020	**50**	**1.9**	ND
EC-MW-4	EC-MW-4	12/21/2020	**160**	< 1.0	ND
Screening Levels	***2019 Jan SFRWQCB ESLs Groundwater Direct Exposure Tapwater C***		**-**	**0.22**	**-**
	2019 Jan SFRWQCB ESLs Groundwater Direct Exposure Tapwater NC		**200**	**97**	**-**
	2019 Jan SFRWQCB ESLs Groundwater VI Commercial/Industrial[1]		**-**	**3.6**	**-**

Notes:

<100	Compound not detected above reporting limt
100	Bold indicates compound detected above reporting limit.
100	Bold type & shaded indicates compound detected exceeds Direct Exposure screening level
	- = no screening level available
	ND = not detected
	µg/L = micrograms per liter
	ft bgs = feet below ground surface
	VOC = volatile organic compounds
	TPHg = total petroleum hydrocarbon quantified as gasoline
	C10-C28 (DRO) = petroleum hydrocarbon quantified as diesel
	TPH = Total Petroleum Hydrocarbons
	ESL = Environmental Screening Level, San Francisco Bay Regional Water Quality Control Board (SFBRWQCB), 2019 (Rev 2) Screening Level
	C = Carcinogenic risk
	NC = Non-carcinogenic risk
	Footnote 1 = most conservative of cancer and non-cancer ESL

Table 9b
2020 Data Gaps Assessment Groundwater Sampling Data - Detected Metals
Latitude High School
1045 Derby Avenue
Oakland, California

Well ID	Sample ID	Date Sampled	Arsenic (dissolved)	Arsenic (total)	Barium (dissolved)	Barium (total)	Chromium (total)	Cobalt (dissolved)	Cobalt (total)	Copper (total)	Lead (total)	Molybdenum (dissolved)	Molybdenum (total)
EC-MW-1	EC-MW-1	12/22/2020	< 0.0020	< 0.0020	0.095	0.10	< 0.0020	< 0.0010	< 0.0010	< 0.0020	< 0.0010	< 0.0020	< 0.0020
	GW-DUP-01-122220	12/22/2020	< 0.0020	< 0.0020	0.10	0.10	< 0.0020	< 0.0010	< 0.0010	< 0.0020	< 0.0010	< 0.0020	< 0.0020
EC-MW-2	EC-MW-2	12/22/2020	< 0.0020	< 0.0020	0.11	0.12	0.0036	< 0.0010	0.0010	< 0.0020	< 0.0010	0.0029	0.0028
EC-MW-3	EC-MW-3	12/21/2020	< 0.0020	< 0.0020	0.086	0.10	0.0057	< 0.0010	< 0.0010	< 0.0020	< 0.0010	< 0.0020	< 0.0020
EC-MW-4	EC-MW-4	12/21/2020	**0.0043**	**0.0057**	0.15	0.20	0.023	0.0053	**0.0084**	0.0077	**0.0016**	< 0.0020	< 0.0020
Screening Levels	***2019 Jan SFRWQCB ESLs Groundwater Direct Exposure Tapwater C***		**0.0000040**	**0.0000040**	**-**	**-**	**-**	**-**	**-**	**-**	**0.0092**	**-**	**-**
	2019 Jan SFRWQCB ESLs Groundwater Direct Exposure Tapwater NC		**0.000070**	**0.000070**	**2.0**	**2.0**	**-**	**0.006**	**0.006**	**0.3**	**0.0002**	**0.1**	**0.1**

Notes:

All results in milligrams per liter (µg/m^3)

<100 Compound not detected above reporting limt

100 Bold indicates compound detected above reporting limit.

100 Bold type & shaded indicates compound detected exceeds Direct Exposure screening level

- = no screening level available

ft bgs = feet below ground surface

'ESL = Environmental Screening Level, San Francisco Bay Regional Water Quality Control Board (SFBRWQCB), 2019 (Rev 2) Screening Level

C = Carcinogenic risk

NC = Non-carcinogenic risk

Table 9b
2020 Data Gaps Assessment Groundwater Sampling Data - Detected Metals
Latitude High School
1045 Derby Avenue
Oakland, California

Well ID	Sample ID	Date Sampled	Nickel (dissolved)	Nickel (total)	Vanadium (total)	Zinc (total)
EC-MW-1	EC-MW-1	12/22/2020	**0.015**	**0.017**	< 0.010	< 0.0050
	GW-DUP-01-122220	12/22/2020	**0.016**	**0.017**	< 0.010	< 0.0050
EC-MW-2	EC-MW-2	12/22/2020	**0.013**	**0.017**	< 0.010	< 0.0050
EC-MW-3	EC-MW-3	12/21/2020	0.0074	**0.016**	< 0.010	< 0.0050
EC-MW-4	EC-MW-4	12/21/2020	**0.034**	**0.069**	0.017	0.015
Screening Levels	***2019 Jan SFRWQCB ESLs Groundwater Direct Exposure Tapwater C***		**0.012**	**0.012**	**-**	**-**
	2019 Jan SFRWQCB ESLs Groundwater Direct Exposure Tapwater NC		**0.22**	**0.22**	**0.05**	**6.0**

Notes:

All results in milligrams per liter (µg/m^3)

<100 Compound not detected above reporting limt

100 Bold indicates compound detected above reporting limit.

100 Bold type & shaded indicates compound detected exceeds Direct Exposure screening level

- = no screening level available

ft bgs = feet below ground surface

'ESL = Environmental Screening Level, San Francisco Bay Regional Water Quality Control Board

C = Carcinogenic risk

NC = Non-carcinogenic risk

Table 10
Historical Groundwater Sampling Data
Latitude High School
1045 Derby Avenue
Oakland, California

Sample Location	Sample Date	TPHg (mg/L)	TPHd (mg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	Chloro-methane (µg/L)	Isopropyl-benzene (µg/L)	n-Propyl-benzene (µg/L)
MW-1	6/27/2000	0.86	--	**20**	< 1.0	< 1.0	19	**880**	<5.0	2.8	<5.0
	9/11/2000	0.92	NA	**14**	1.00	1.6	3.6	**860**	<0.5	3.0	2.3
	11/28/2000	<0.5	NA	3.6	<2.5	<2.5	<7.5	**610**	<0.5	<0.5	<0.5
	3/27/2001	<0.2	NA	<0.50	<0.50	<0.50	< 1.0	**29**	<5.0	<5.0	<5.0
	6/26/2001	0.24	NA	<0.5	<0.5	<0.5	< 1.0	**200**	<5.0	<5.0	<5.0
	8/24/2001	<0.05	NA	<25	<25	<25	<75	**520**	<25	<25	<25
	12/5/2001	0.39	NA	**3.5**	<0.3	2.40	15.40	**505**	NA	NA	NA
	3/4/2002	0.69	NA	<0.5	<0.5	<0.5	<1.0	**55.4**	<0.5	<0.5	<0.5
	6/14/2002	<0.5	NA	<0.5	<0.5	<0.5	<1.0	5.3	<0.5	<0.5	<0.5
	9/24/2002	0.166	NA	<0.5	<0.5	0.5	1.6	**60**	<0.5	0.5	0.7
	5/5/2004	<0.05	NA	0.5	<0.5	0.6	1.70	**201**	<0.5	0.6	0.8
	5/12/2005	0.19	NA	<1.0	<1.0	1.20	<1.0	**140**	NA	NA	NA
MW-2	6/27/2000	<0.50	NA	< 1.0	<1.0	< 1.0	<3.0	86	<0.5	<0.5	<0.5
	9/11/2000	<0.50	NA	< 1.0	< 1.0	< 1.0	<1.5	110	<0.5	<0.5	<0.5
	11/28/2000	<0.5	NA	< 1.0	< 1.0	< 1.0	<3.0	130	<0.5	<0.5	<0.5
	3/27/2001	<0.2	NA	<0.5	<0.5	<0.5	< 1.0	110	<5.0	<5.0	<5.0
	6/26/2001	0.11	NA	<0.5	<0.5	<0.5	<1.0	51	<5.0	<5.0	<5.0
	8/24/2001	<0.05	NA	<2.0	<2.0	<2.0	<6.0	36	<2.0	<2.0	<2.0
	12/5/2001	0.06	NA	<0.3	<0.3	<0.3	<0.6	79.0	NA	NA	NA
	3/4/2002	<0.5	NA	<0.5	<0.5	<0.5	<1.0	9.1	<0.5	<0.5	<0.5
	6/14/2002	<0.5	NA	<0.5	<0.5	<0.5	<1.0	25.0	<0.5	<0.5	<0.5
	9/24/2002	<0.05	NA	<0.5	<0.5	<0.5	<1.0	34.6	<0.5	<0.5	<0.5
	5/5/2004	<0.05	NA	<0.5	<0.5	<0.5	<1.0	13.5	<0.5	<0.5	<0.5
	5/12/2005	<0.05	NA	<1.0	<1.0	<1.0	<1.0	11	NA	NA	NA
MW-3	6/27/2000	2.7	<0.4	**73**	l.7	1.2	4.6	**5,000**	<0.5	<0.5	1.0
	9/11/2000	1.9	NA	**19**	<1.0	< 1.0	<1.5	**2,700**	<0.5	<0.5	0.6
	11/28/2000	1.7	NA	**27**	92	< 10	<30	**2,500**	<0.5	<0.5	<0.5
	3/27/2001	5.2	NA	**220**	12	7.3	< 1.0	**5,500**	<5.0	<5.0	<5.0
	6/26/2001	2.5	NA	**20**	<0.5	<0.5	< 1.0	**2,800**	<5.0	<5.0	<5.0
	8/24/2001	0.06	NA	<100	<100	<100	<300	**2,800**	<25	<25	<25
	12/5/2001	1.86	NA	**18.3**	0.30	1.2	1.00	**2,240**	NA	NA	NA
	3/4/2002	3.23	NA	**94.2**	0.8	2.4	6.9	**7,520**	<0.5	0.9	1.4
	6/14/2002	2.32	NA	3.6	<0.5	<0.5	<1.0	**5,290**	<0.5	<0.5	<0.5
	9/24/2002	2.06	NA	**24.0**	0.5	1.2	3.4	**2,020**	<0.5	<0.5	0.7
	5/5/2004	0.27	NA	**32.2**	<0.5	0.8	4.8	**4,420**	<0.5	0.9	1.3
	5/12/2005	1.30	NA	**40.0**	<5.0	<5.0	<5.0	**3,200**	NA	NA	NA
Screening Level	***2019 Jan SFRWQCB ESLs Groundwater DE Tapwater C***	**-**	**-**	**0.15**		**1.5**	**-**	**13**	**-**	**-**	**-**
	2019 Jan SFRWQCB ESLs Groundwater DE Tapwater NC	**760**	**200**	**5.7**	**150**	**300**	**190**	**6,300**	**190**	**-**	**-**
	2019 Jan SFRWQCB ESLs Groundwater VI Commercial/Industrial [1]	**-**	**-**	**1**	**1,500**	**15**	**1,600**	**2,000**	**1,100**	**-**	**-**

Table 10
Historical Groundwater Sampling Data
Latitude High School
1045 Derby Avenue
Oakland, California

Sample Location	Sample Date	TPHg (mg/L)	TPHd (mg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	Chloro-methane (µg/L)	Isopropyl-benzene (µg/L)	n-Propyl-benzene (µg/L)
MW-4	6/27/2000	<0.50	NA	<1.0	< 1.0	1.00	<3.0	**18**	<5.0	<5.0	<5.0
	9/11/2000	< 0.50	NA	< 1.0	< 1.0	< 1.0	<1.5	< 1.0	<0.5	<0.5	<0.5
	11/28/2000	<0.5	NA	< 0.5	<0.5	<0.5	1.50	< 1.0	<0.5	<0.5	<0.5
	3/27/2001	<0.2	NA	<0.50	<0.50	<0.50	<1.0	<5.0	<5.0	<5.0	<5.0
	6/26/2001	<0.50	NA	<0.5	<0.5	<0.5	<1.0	< 5.0	<5.0	<5.0	<5.0
	8/24/2001	<0.05	NA	<1.0	<1.0	<1.0	<3.0	<2.0	<25	<25	<25
	12/5/2001	<0.05	NA	<0.3	<0.3	<0.3	<0.6	<0.3	NA	NA	NA
	3/4/2002	<0.5	NA	0.5	<0.5	<0.5	<1.0	4.7	<2.0	<2.0	<2.0
	6/14/2002	<0.5	NA	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5
	9/24/2002	<0.05	NA	<0.5	<0.5	<0.5	<1.0	1.3	<0.5	<0.5	<0.5
	5/5/2004	<0.05	NA	<0.5	<0.5	<0.5	<1.0	2.2	<0.5	<0.5	<0.5
	5/12/2005	<0.05	NA	<1.0	<1.0	<1.0	<1.0	<0.50	NA	NA	NA
Grab Samples from Soil Boreholes											
WB-1	4/6/1999	<0.5	<10	<0.5	<0.5	<0.5	2.0	<1.0	<0.001	<0.001	<0.001
WB-2	4/6/1999	<0.5	<10	<0.5	<0.5	<0.5	<1.5	<1.0	<0.001	<0.001	<0.001
WB-3	4/6/1999	0.52	<10	**6.3**	2.20	**11.0**	40	<1.0	<0.5	1.8	5.4
WB-4	4/7/1999	0.52	<10	<0.5	<0.5	**3.7**	7.7	<1.0	<0.5	1.3	3.0
WB-5	4/7/1999	<0.5	<10	<0.5	0.60	<0.5	<1.5	**6,600**	<0.001	<0.001	<0.001
WB-6	4/11/1999	<0.5	<10	<0.5	<0.5	<0.5	<1.5	**24**	<0.5	<0.5	<0.5
WB-7	8/13/1999	3.8	0.73	<0.5	<0.5	<0.5	<15	**5,600**	<0.001	<0.001	<0.001
WB-8	8/13/1999	<0.5	<0.42	<0.5	<0.5	<0.5	<1.5	9.0	<0.5	<0.5	<0.5
WB-9	8/13/1999	<0.5	<0.42	<0.5	<0.5	<0.5	<1.5	<1.0	<0.5	<0.5	<0.5
B10-W	8/24/2001	<0.5	NA	<1.0	<1.0	<1.0	<3.0	2.1	4.4	<1.0	<1.0
B-11W	8/24/2001	<0.5	NA	<1.0	<1.0	<1.0	<3.0	<2	<1.0	<1.0	<1.0
B12-W	8/24/2001	<0.5	NA	<1.0	<1.0	<1.0	<3.0	<2	1.9	<1.0	<1.0
Screening Level	***2019 Jan SFRWQCB ESLs Groundwater DE Tapwater C***	**-**	**-**	**0.15**		**1.5**	**-**	**13**	**-**	**-**	**-**
	2019 Jan SFRWQCB ESLs Groundwater DE Tapwater NC	**760**	**200**	**5.7**	**150**	**300**	**190**	**6,300**	**190**	**-**	**-**
	2019 Jan SFRWQCB ESLs Groundwater VI Commercial/Industrial [1]	**-**	**-**	**1**	**1,500**	**15**	**1,600**	**2,000**	**1,100**	**-**	**-**

<100	Compound not detected above reporting limt
100	Bold indicates compound detected above reporting limit.
100	Bold type & shaded indicates compound detected exceeds Screening Level

- = no screening level available

µg/L = micrograms per liter
mg/L = milligrams per liter
ft bgs = feet below ground surface
TPHg = total petroleum hydrocarbon quantified as gasoline
TPHd = total petroleum hydrocarbon quantified as diesel
PCE = tetrachloroethene
MTBE = methyl tertiary butyl ether
'ESL = Environmental Screening Level, San Francisco Bay Regional Water Quality Control Board (SFBRWQCB), 2019 (Rev 2) Screening Level
Footnote 1 = Most conservative of cancer and non-cancer ESL
C = Carcinogenic risk
NC = Non-carcinogenic risk

Table 10
Historical Groundwater Sampling Data
Latitude High School
1045 Derby Avenue
Oakland, California

Sample Location	Sample Date	Naphthalene (µg/L)	1,2,4-Trimethyl-benzene (µg/L)	1,3,5-Trimethyl-benzene (µg/L)	Chloroform (µg/L)	PCE (µg/L)
MW-1	6/27/2000	9.4	24	5.6	<5.0	<2.5
	9/11/2000	2.5	8.7	4.5	<0.5	<0.5
	11/28/2000	<0.5	5.4	<2.5	<0.5	<2.5
	3/27/2001	<5.0	<5.0	<5.0	<5.0	<5.0
	6/26/2001	<5.0	<5.0	<5.0	<5.0	<5.0
	8/24/2001	<25	<25	<25	<25	<2.0
	12/5/2001	NA	NA	NA	NA	NA
	3/4/2002	<0.5	0.6	<0.5	<0.5	<0.5
	6/14/2002	<0.5	<0.5	<0.5	<0.5	<0.5
	9/24/2002	0.6	4.8	1.4	<0.6	<0.5
	5/5/2004	<0.5	4.7	1.7	<0.5	<0.5
	5/12/2005	NA	NA	NA	NA	NA
MW-2	6/27/2000	<0.5	<0.5	<0.5	<0.5	<0.5
	9/11/2000	<0.5	<0.5	<0.5	<0.5	<0.5
	11/28/2000	<0.5	<0.5	<0.5	<0.5	<0.5
	3/27/2001	<5.0	<5.0	<5.0	<5.0	<5.0
	6/26/2001	<5.0	<5.0	<5.0	<5.0	<5.0
	8/24/2001	<2.0	<2.0	<2.0	<2.0	<2.0
	12/5/2001	NA	NA	NA	NA	NA
	3/4/2002	<0.5	<0.5	<0.5	<0.5	<0.5
	6/14/2002	<0.5	<0.5	<0.5	<0.5	<0.5
	9/24/2002	<0.5	<0.5	<0.5	<0.5	<0.5
	5/5/2004	<0.5	<0.5	<0.5	<0.5	<0.5
	5/12/2005	NA	NA	NA	NA	NA
MW-3	6/27/2000	1.0	0.5	<0.5	<0.5	<0.5
	9/11/2000	<0.5	<0.5	<0.5	<0.5	<0.5
	11/28/2000	<0.5	<0.5	<0.5	<0.5	<10
	3/27/2001	<5.0	<5.0	<5.0	<5.0	<5.0
	6/26/2001	<5.0	<5.0	<5.0	<5.0	<5.0
	8/24/2001	<25	<25	<25	<25	<1.0
	12/5/2001	NA	NA	NA	NA	NA
	3/4/2002	1.3	1.6	<0.5	<0.5	<0.5
	6/14/2002	<0.5	<0.5	<0.5	<0.5	<0.5
	9/24/2002	<0.5	0.90	<0.5	5.3	<0.5
	5/5/2004	2.0	<0.5	<0.5	<0.5	<0.5
	5/12/2005	NA	NA	NA	NA	NA
Screening Level	***2019 Jan SFRWQCB ESLs Groundwater DE Tapwater C***	**0.17**	**-**	**-**	**0.22**	**0.06**
	2019 Jan SFRWQCB ESLs Groundwater DE Tapwater NC	**6.1**	**-**	**-**	**97**	**41**
	2019 Jan SFRWQCB ESLs Groundwater VI Commercial/Industrial [1]	**20**	**-**	**-**	**3.6**	**2.8**

Table 10
Historical Groundwater Sampling Data
Latitude High School
1045 Derby Avenue
Oakland, California

Sample Location	Sample Date	Naphthalene (µg/L)	1,2,4-Trimethyl-benzene (µg/L)	1,3,5-Trimethyl-benzene (µg/L)	Chloroform (µg/L)	PCE (µg/L)
MW-4	6/27/2000	<5.0	<5.0	<5.0	5.6	<0.5
	9/11/2000	<0.5	<0.5	<0.5	6.1	<0.5
	11/28/2000	<0.5	<0.5	<0.5	7.7	<0.5
	3/27/2001	<5.0	<5.0	<5.0	5.1	<5.0
	6/26/2001	<5.0	<5.0	<5.0	<5.0	<5.0
	8/24/2001	<25	<25	<25	5.3	<1.0
	12/5/2001	NA	NA	NA	NA	NA
	3/4/2002	<2.0	<2.0	<2.0	4.6	<0.5
	6/14/2002	<0.5	<0.5	<0.5	<0.5	<0.5
	9/24/2002	<0.5	<0.5	<0.5	5.3	<0.5
	5/5/2004	<0.5	<0.5	<0.5	3.0	<0.5
	5/12/2005	NA	NA	NA	NA	NA
WB-1	4/6/1999	<0.002	<0.001	<0.001	<0.002	<0.5
WB-2	4/6/1999	<0.002	<0.001	<0.001	<0.002	<0.5
WB-3	4/6/1999	3.5	31	12	<0.5	<0.5
WB-4	4/7/1999	2.6	19	6.3	**2.4**	<0.5
WB-5	4/7/1999	<0.002	<0.001	<0.001	<0.002	<0.5
WB-6	4/11/1999	<0.5	<0.5	<0.5	**2.7**	**12**
WB-7	8/13/1999	<0.002	<0.001	<0.001	<0.002	<5.0
WB-8	8/13/1999	<0.5	<0.5	<0.5	10	<0.5
WB-9	8/13/1999	<0.5	<0.5	<0.5	16	<0.5
B10-W	8/24/2001	<1.0	<1.0	<1.0	<1.0	<1.0
B-11W	8/24/2001	<1.0	<1.0	<1.0	1.0	<1.0
B12-W	8/24/2001	<1.0	<1.0	<1.0	<1.0	<1.0
Screening Level	***2019 Jan SFRWQCB ESLs Groundwater DE Tapwater C***	**0.17**	**-**	**-**	**0.22**	**0.06**
	2019 Jan SFRWQCB ESLs Groundwater DE Tapwater NC	**6.1**	**-**	**-**	**97**	**41**
	2019 Jan SFRWQCB ESLs Groundwater VI Commercial/Industrial [1]	**20**	**-**	**-**	**3.6**	**2.8**

<100	Compound not detected above reporting limt
100	Bold indicates compound detected above reporting limit.
100	Bold type & shaded indicates compound detected exceeds Screening Level

- = no screening level available

µg/L = micrograms per liter
mg/L = milligrams per liter
ft bgs = feet below ground surface
TPHg = total petroleum hydrocarbon quantified as gasoline
TPHd = total petroleum hydrocarbon quantified as diesel
PCE = tetrachloroethene
MTBE = methyl tertiary butyl ether
'ESL = Environmental Screening Level, San Francisco Bay Regional Water Quality Control Board (SFBRWQCB), 2019 (Rev 2) Screening Level
Footnote 1 = Most conservative of cancer and non-cancer ESL
C = Carcinogenic risk
NC = Non-carcinogenic risk

Table 11
Summary of Proposed Site Mitigation Measures
Latitude High School
1045 Derby Avenue
Oakland, California

Parcel	Media	Building/ Feature	Vapor Barrier	Interior Ventilation	Air Purification	Sub-Floor Ventilation	Soil Capping	Soil Excavation/ Disposal	Groundwater Remediation ORC Applications[+]
South	Vapor	Building B (slab floor)	P	C	C	--	--	--	--
		Building A-1 (slab floor)	P	C	C	--	--	--	--
		Building A-2 (slab floor)	P	C	C	--	--	--	--
		Building A-3 (slab floor)	P	C	C	--	--	--	--
		Building A-4 (raised floor)	P	C	--	P	--	--	--
		Building A-5 (raised floor)	P	C	--	P	--	--	--
	Soil	Location EC-1	--	--	--	--	--	X[+]	
		Location EC-2	--	--	--	--	--	X	--
	Groundwater	Location EC-1	--	--	--	--	--	--	X[+]
North	Soil	Surface Soils	--	--	--	--	X	--	--
		Stormwater Lines	--	--	--	--		X	--
		Landscaped Areas	--	--	--	--	X	X	--

Notes:
P = Primary vapor intrusion mitigation measure
C = Contingency vapor intrusion mitigation measure
-- = Mitigation measure not applicable
[+] = Mitigation measure pending results of supplemental investigation

APPENDIX A

Site Development Plans

Education *for* Change
Public Schools

Project Description-1045 Derby Street, Latitude High School

Introduction

The Education for Change (EFC) Charter School Project (Project) is seeking approval of a Planned Unit Development (PUD) permit or other appropriate discretionary approvals from the City of Oakland to construct and operate a charter high school on a former Caltrans maintenance facility site located at 1045 Derby Avenue (APN 25-693-7-2), and on a mostly-vacant adjacent parcel to the north identified as 0 29th Avenue (APN 25-693-8). The buildings on the former Caltrans site are to be converted for academic and administrative purposes. The school would use the adjacent parcel for, outdoor activities (e.g., basketball, soccer) and as a site for a potential future gymnasium or multi-purpose facility.

The charter school began operating at the site in August 2014 as Epic Middle School but without having gone through the City's land use or building permit processes at that time. Since the end of the school year in the summer of 2019, school operations have been suspended and all buildings on the site are vacant. Latitude High School, an Education for Change school, currently operates grade levels 9 and 10 on a temporary basis at Merritt College. EFC is applying to legalize the building improvements that were completed in 2014 and to legalize their operation under the terms of a PUD permit or other appropriate approval as a Community Education Civic Activity, as required for a school to operate on a site zoned for industrial use (M-30). A General Plan Amendment and/or rezoning may also be requested or required. The proposal would include a high school only, and would accommodate grades 9-12 with enrollment of up to 100 students per grade, or a total of 400 students.

Project Site

The project site consists of two adjacent parcels. The northerly of the two parcels (at 0 29th Avenue, shown in red) has been acquired by EFC. The other parcel (at 1045 Derby Avenue, outlined in green), is leased by EFC from the California Department of Transportation (Caltrans), which used the site and its buildings as a storage and maintenance facility from 1921 to 2010. EFC intends to acquire this parcel once Caltrans declares it as "surplus" and completes the disposition process.

The high school would utilize the 6 existing buildings located on the Derby parcel.

Some of the buildings date back to 1921 and others to the 1950s. Caltrans storage, maintenance and administrative functions operated out of Buildings A-1, A-3, and B (totaling 25,516 sf) prior to the school use. Buildings A-2, A-4, and A-5 (totaling 3,902 sf) were added as part of the conversion of the Caltrans facility to school use in 2014. The current buildings, totaling 29,418 SF, contain 23 classrooms, administrative offices, a servery, restrooms and three storage units.

These existing buildings are to be used as follows:

Building	Proposed Use	SF
Building A-1	12 classrooms, restrooms	12,367 SF
Building A-2	Restrooms, storage	1,026 SF
Building A-3	10 classrooms	10,800 SF
Building A-4	1 classroom	1,598 SF
Building A-5	Administration and student support offices	1,288 SF
Building B	Servery, administration offices, restrooms	2,511 SF
Storage Unit 1	Storage	160 SF
Storage Unit 2	Storage	320 SF
Storage Unit 3	Storage	320 SF

The Derby parcel contains 65 parking spaces that are marked on a paved area that runs along the southerly portion of the parcel, from Derby to 29th Avenue. This paved areas has also been used for outdoor learning, PE and recess activities, and contains small shade structures used by students for as a place to eat snacks and meals. The 29th Avenue is generally unimproved with the exception of an approximately 12,000 square-foot paved are near Derby Avenue, informally striped for parking.

Campus Master Plan Phases

Implementation of the EFC site development program would occur in two phases. The phases are:

- *Phase 1:* seismic upgrades to the existing buildings on the Derby parcel, and installation of recreational space on the adjacent and mostly vacant north parcel.
- Once the leased parcel has been acquired by EFC from Caltrans, the two lots would be merged under EFC ownership.
- *Phase 2:* construction of a new multi-purpose building

Construction of Phase 1 work is estimated to take 3-6 months. EFC is currently working with a benefactor to raise sufficient funding for Phase 2 work, which is estimated to occur at about 1 to 2 years after completion of Phase 1. This schedule is an estimate, and actual timing will depend on how long it takes to raise the funds

Phase 1 Project Summary

The existing buildings on the Derby parcel were previously reconfigured to be used for school functions. The work necessary to obtain approval for continued use of these buildings as a school primarily involves seismic upgrades to these existing buildings. Phase 1 will also involve removal of shade structure along the southerly portion of the Derby parcel, providing for a more clearly demarcated fire access lane, striping for a total of 69 parking spaces, and landscaping.

The undeveloped 29th Avenue parcel will be improved for outdoor physical education activities including basketball courts, a mini-soccer and mini-football field, and a shade structure for dining. The informal parking area will no longer be striped for general parking use. This area will provide space for students to eat meals and for outdoor physical education, where exposure to noise and diesel emissions from the Union Pacific Railroad tracks on the south side of the project site will be reduced.

Site Plan for Phase 1

Phase 2 Project Summary

In Phase 2, and after the two parcels have been merged into one ownership, the existing Building B on the Derby parcel would be demolished, and the westerly portions of both the Derby parcel and the 29th Avenue parcel would be developed with an approximately 17,500 square-foot multi-purpose building containing a multi-purpose room, locker rooms, restrooms, offices, a lobby and a servery that would replace the servery currently located in Building B.

The proposed multi-purpose building will feature:

- regulation-size basketball and volleyball courts
- a servery to provide warm meals to students
- restrooms and locker rooms
- storage and office space

While primarily focusing on providing lunch, physical education (PE), graduation and after school program space, the multi-purpose building may be used from time to time as a gathering place for the entire school community. This would allow EFC to bring all of its families together in one facility for school assemblies, celebrations, guest speakers and more. The multi-purpose building would not require additional academic or administrative staffing or add students. It would be an indoor space allowing PE and other activities that otherwise use outdoor space, to happen indoors. The multi-purpose building would also add flexibility for day-to-day academic programming.

Phase 2 Site Plan

Proposed Operations

The school would operate from mid-August to early June with no summer school program. Teachers would start 1 to 2 weeks before the students arrive in early August. Teachers are not on-site after the last day of school.

The typical school day would run from 8:20 am to 3:20 pm, except for minimum days on Wednesdays which would run from 8:20 am to 1:30 pm. Approximately 75% of students would participate in the breakfast program before school which would operate from 7:40 to 8:20 am.

During specified hours (8:00 to 8:20 a. m. and 3:20-3:40 p. m.), vehicles would be routed through the leased site from Derby Avenue to 29th Avenue for on-site drop-off and pick-up (see below). At all other operating hours, the gates would remain closed so that the outdoor space could be used for PE and recess. EFC proposes that all outdoor activities including PE and recess would occur on the adjacent north parcel.

Students would be allowed to walk onto the site as early as 7:40 a.m. and be buzzed in. Students participating in the breakfast program would get breakfast in Building A-2 (the servery) and eat in classrooms. The addition of the multi-purpose building in Phase 2 would not change this procedure.

The school has one school-wide nutrition break at 11:00 a.m. for ten minutes and one school-wide lunch from 1:00 - 1:30 p.m.

Approximately 100 students would participate in the after school program that runs until 6:00 p.m. A few academic partners come in to teach at the after school program (up to 3 external staff at full enrollment), and a few are taught by school staff (up to 6 members of school staff at full enrollment). Typically, 60% of staff leave the site by 4:30 p.m. The basketball courts and athletic facilities on the north parcel would be used as part of the after school program.

In 11th and 12th grades, students may be off-site for up to two full days per week for internships or college classes. They would travel to and from campus via bus, BART or on foot.

A typical day would follow the schedule presented below:

Beginning Time	Ending Time	Approximate # Staff	Approximate # Students
7:00 a .m.	7:40 a.m.	5	0
7:40 a.m.	8:20 a.m.	29	300
8:20 a.m.	3:20 p.m.	29	400
3:20 p.m.	4:00 p.m.	29	100
4:00 p.m.	6:00 p.m.	10	100
6:00 p.m.	8:00 p.m.	1	0

Special events that would occur during the school year would include the following:

Event	Frequency	# of Attendees	Time (weeknight unless otherwise specified)
Back to School Night	1 time/ year	200	5:00-6:30 pm
Program Reviews for Parents	2 times/ year	100	6:00-7:30 pm
Festivals / Outreach Events	2 times/ year	100	12:00-3:00 pm on Saturdays
School Dances	3 times/ year	300	6:00-7:30 pm
Family Leadership Council Meetings	1 time/ 1 time per month	50	5:00-6:30 pm
Project Exhibitions	2 times/ year	100/event, over 4 days	5:00 to7:00 pm
When available, the Phase 2 Multi-Purpose facility would allow the additional events			
Athletic Games (Basketball, Volleyball	Once/week	100	6:30 – 7:30 pm
School Assemblies	2 time/year	400	4:00 - 5:00 pm
Family Sports Events	4 times/ year	50	5:30 – 6:30 pm

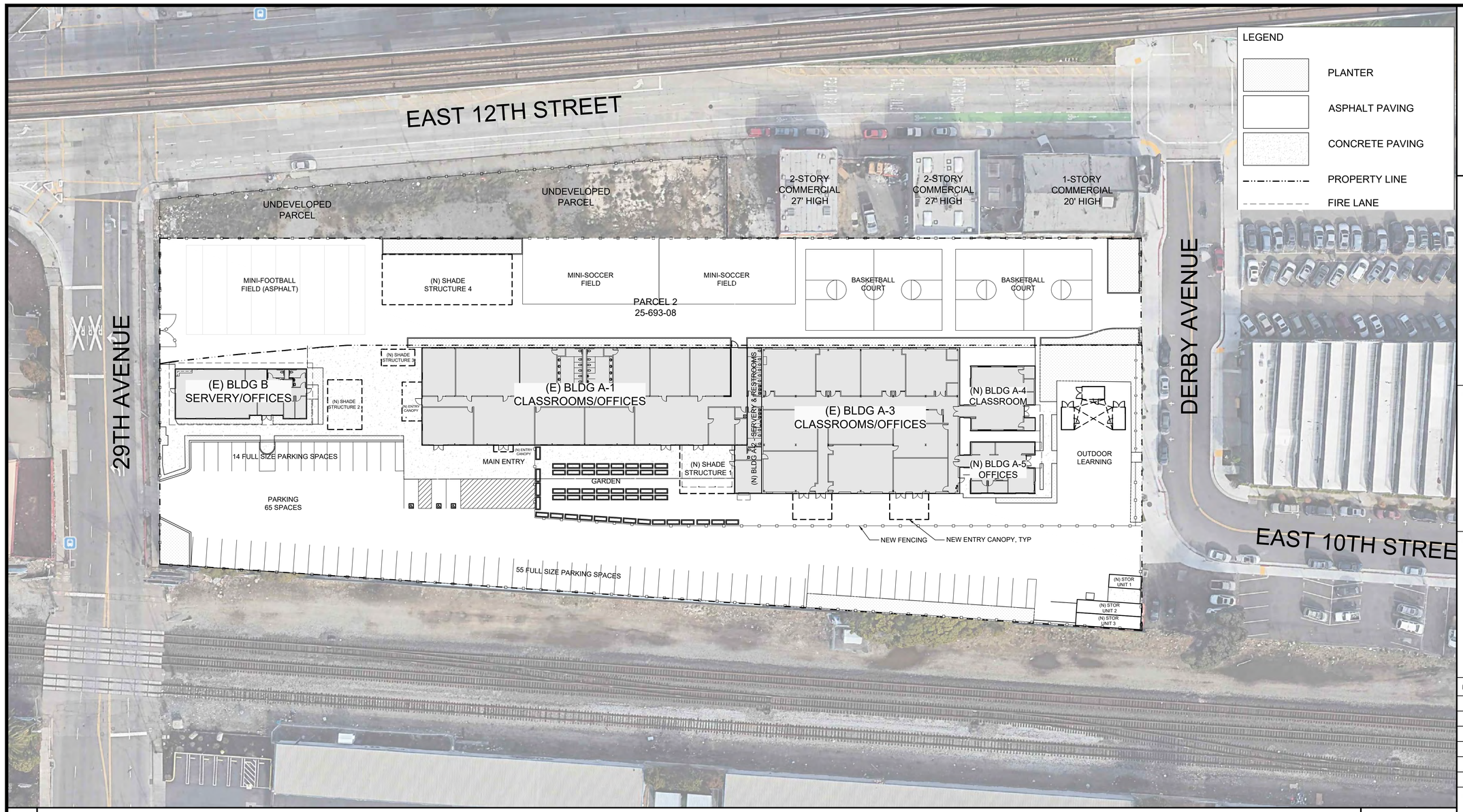
Projected EFC staffing levels as Full Time Equivalent personnel (FTE), by job classification and at full enrollment of 400 students, is as follows:

- Principal (1)
- Assistant Principal (1)
- Classroom Teachers, core subjects (19)
- Classroom Teachers for RSP and ELD (2)
- Community Partnership Coordinator (1)
- College Advisor (1)
- Social Emotional Learning and RJ Lead (1)
- School Operations Staff (3)
- After School Program Staff, external (3)
- If and when built, the multi-purpose facility will require an additional 0.5 FTE for janitorial services

Total FTEs = 32, or 32.5 once the multi-purpose facility is in operation

Project Objectives

- To redevelop an underutilized site into a state of the art learning facility with recreational spaces for youth desperately needed in the lower Fruitvale area.
- To provide a state of the art learning environment that allows flexibility, inclusiveness and collaboration for EFC students from one of Oakland's many underserved areas. This space will allow EFC the ability to adapt to changing curriculum and trends to better prepare Oakland students for success.
- To provide a seamless transition for EFC's students from Lazear Middle School to Latitude High School. The close proximity provides opportunities for students to maintain the value of building relationships with friends as they continue to collaborate in achieving their educational goals and becoming strong members of the community.



LEGEND

- PLANTER
- ASPHALT PAVING
- CONCRETE PAVING
- PROPERTY LINE
- FIRE LANE

18 PROPOSED SITE PLAN — 1" = 30'

(E) BLDG A-1	12,367 SF
(N) BLDG A-2	1,026 SF
(E) BLDG A-3	10,800 SF
(N) BLDG A-4	1,598 SF
(N) BLDG A-5	1,288 SF
(E) BLDG B	2,511 SF
(N) OUTDOOR LEARNING	336 SF
(N) SHADE STRUCT 1	1,000 SF
(N) SHADE STRUCT 2	645 SF
(N) SHADE STRUCT 3	210 SF
(N) SHADE STRUCT 4	2,755 SF
(N) STOR UNIT 1	160 SF
(N) STOR UNIT 2	320 SF
(N) STOR UNIT 3	320 SF
TOTAL SF	35,000 SF

17 — 13 BLDG AREA SUMMARY

FULL SIZE SPACES	62
ADA SPACES	3
TOTAL PARKING	65

9 PARKING SUMMARY

BLDG FOOTPRINTS	35,000 SF
PARKING PARCEL 1	33,000 SF
OPEN SPACE PCL 1	20,186 SF
OPEN SPACE PCL 2	36,689 SF
PLANTERS PCL 1	5,117 SF
PLANTERS PCL 2	3,765 SF
TOTAL AREA	133,757 SF

5 SITE AREA SUMMARY

1. GATES OPEN DURING PICK UP & DROP OFF
2. 6 FOOT HIGH CHAIN LINK FENCE
3. PLANTER
4. ASPHALT PAVING
5. CONCRETE PAVING
6. PEDESTRIAN ACCESS GATE
7. LONG TERM BIKE STORAGE - 23 BIKES TOTAL
8. 8' X 20' STORAGE CONTAINER
9. 8' X 40' STORAGE CONTAINER
10. SHORT TERM BIKE RACKS - 20 BIKES TOTAL
11. 8'-0" HIGH ORNAMENTAL IRON FENCING, TYP
12. RECYLING COLLECTION AREA (5' X 4' X 3' = 60 CF)

1 KEY NOTES

ARTIK
ART & ARCHITECTURE
394-A Umbarger Rd
San Jose, CA 95111
Phone 408.224.9890
Fax 408.224.9891
www.ArtikA3.com

Key Plan

Project Title

LATITUDE HIGH SCHOOL PLANNED UNIT DEV'T PERMIT

1045 DERBY AVE & 0 29TH AVE
OAKLAND CA 94601

EDUCATION FOR CHANGE PUBLIC SCHOOLS

No	Revisions/Submissions	Date
	PUD SUBMITTAL	07.23.20

Drawing Title

PROPOSED SITE PLAN

Regulatory Agency Approval

Architect Seal

LICENSED ARCHITECT
MARTIN HOCHROTH
No. C-22312
REN. 3-31-21
STATE OF CALIFORNIA

File Number

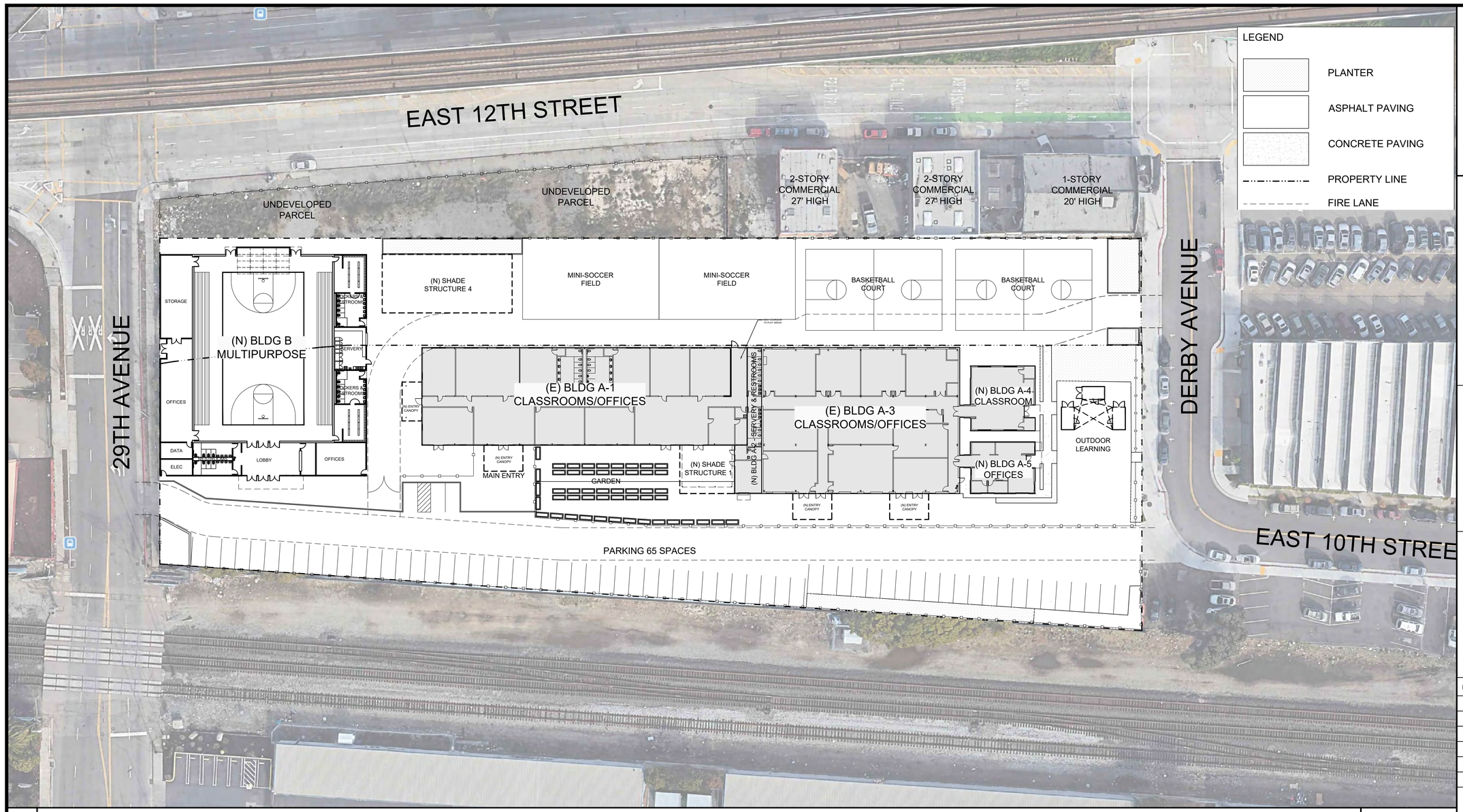
Application Number

Project No. 172059

Drawing No

A2.1

If this sheet is not 24" x 36" it is a reduced print - scale accordingly



LEGEND

- PLANTER
- ASPHALT PAVING
- CONCRETE PAVING
- PROPERTY LINE
- FIRE LANE

18 PROPOSED SITE PLAN — 1" = 30'

(E) BLDG A-1	12,367 SF
(N) BLDG A-2	1,026 SF
(E) BLDG A-3	10,800 SF
(N) BLDG A-4	1,598 SF
(N) BLDG A-5	1,288 SF
(N) GYMNASIUM	17,500 SF
(N) SHADE STRUCT 1	1,000 SF
(N) SHADE STRUCT 4	2,880 SF
TOTAL SF	48,795 SF

13 BLDG AREA SUMMARY

FULL SIZE SPACES	62
ADA SPACES	3
TOTAL PARKING	65

9 PARKING SUMMARY

BLDG FOOTPRINTS	48,795 SF
PARKING PARCEL 1	27,580 SF
OPEN SPACE PARCEL 1	11,811 SF
OPEN SPACE PARCEL 2	38,791 SF
PLANTERS PARCEL 1	5,117 SF
PLANTERS PARCEL 2	1,663 SF
TOTAL AREA	133,757 SF

5 SITE AREA SUMMARY

1. GATES OPEN DURING PICK UP & DROP OFF
2. 6 FOOT HIGH CHAIN LINK FENCE
3. PLANTER
4. ASPHALT PAVING
5. CONCRETE PAVING
6. PEDESTRIAN ACCESS GATE
7. LONG TERM BIKE STORAGE - 23 BIKES TOTAL
8. 8' X 20' STORAGE CONTAINER
9. 8' X 40' STORAGE CONTAINER
10. SHORT TERM BIKE RACKS - 20 BIKES TOTAL
11. 8'-0" HIGH ORNAMENTAL IRON FENCING, TYP
12. RECYLING COLLECTION AREA (5' X 4' X 3' = 60 CF)

1 KEY NOTES

17

ARTiK
ART & ARCHITECTURE
394-A Umbarger Rd
San Jose, CA 95111
Phone 408.224.9890
Fax 408.224.9891
www.ArtikA3.com

If this sheet is not 24" x 36" it is a reduced print - scale accordingly

Key Plan

Project Title

LATITUDE HIGH SCHOOL PLANNED UNIT DEV'T PERMIT

1045 DERBY AVE & 0 29TH AVE
OAKLAND CA 94601

EDUCATION FOR CHANGE PUBLIC SCHOOLS

No	Revisions/Submissions	Date
	PUD SUBMITTAL	07.23.20

Drawing Title

PROPOSED SITE PLAN MASTER PLAN

Regulatory Agency Approval

Architect Seal

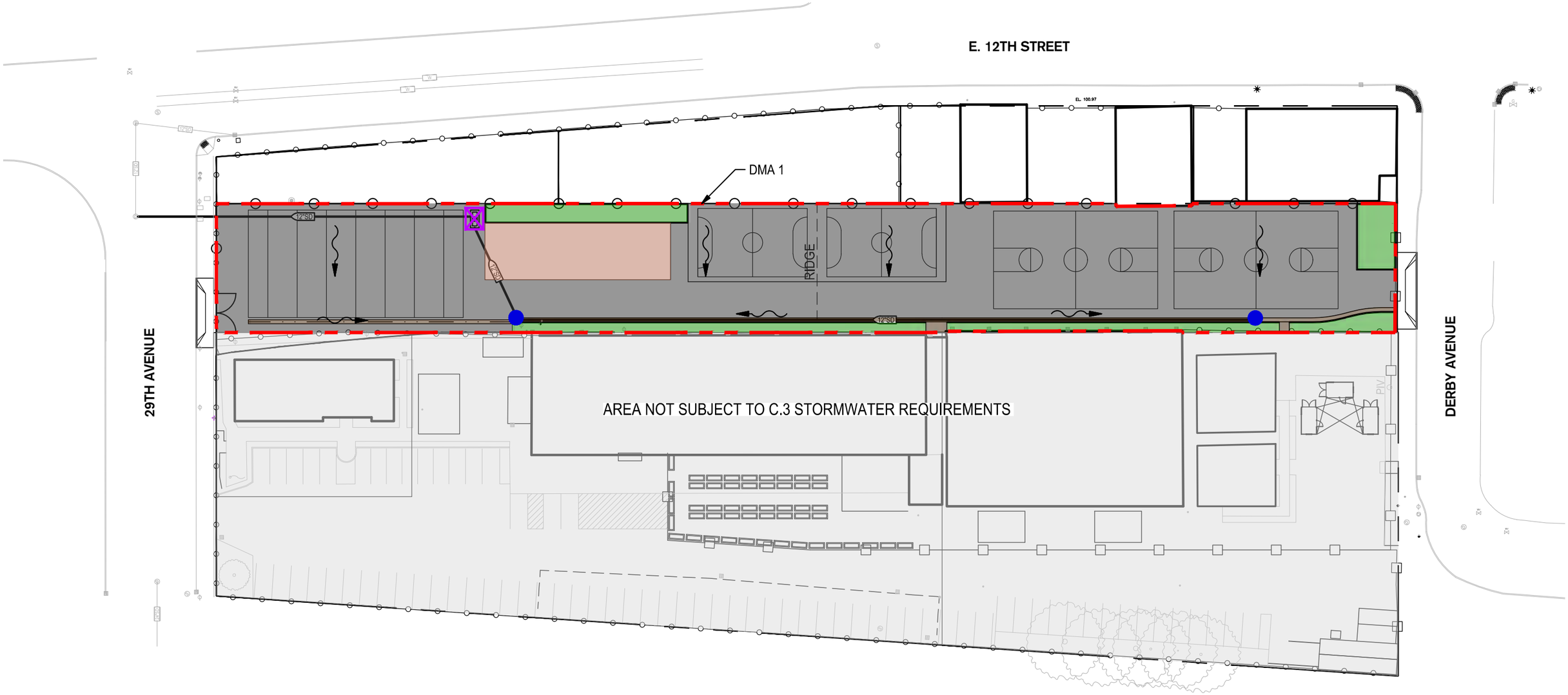
LICENSED ARCHITECT
MARTIN HOCHROTH
No. C-22312
REN. 3-31-21
STATE OF CALIFORNIA

File Number

Application Number

Project No.
172059

Drawing No
A2.1A



POST-PROJECT DRAINAGE MANAGEMENT AREA				
SITE ELEMENT	RUNOFF COEFFICIENT	AREA (SF)	FRACTION OF TOTAL AREA	WEIGHTED RUNOFF COEFF.
LANDSCAPE	0.25	3,765	0.0949	0.0237
ASPHALT / CONCRETE	0.95	33,139	0.8356	0.7978
ROOF	0.95	2,755	0.0695	0.0660
TOTAL		39,659	1.0000	0.8875

LEGEND

- ASPHALT
- CONCRETE
- ROOF
- LANDSCAPE
- AREA NOT PART OF C.3 REQUIREMENTS
- STORMWATER BOUNDARY AND DMA 1
- PROPOSED DRAIN INLET WITH "NO DUMPING! FLOWS TO BAY" SIGNAGE
- PROPOSED MEDIA FILTER WITH "NO DUMPING! FLOWS TO BAY" SIGNAGE
- FLOW DIRECTION

0' 25' 50' 100'

SCALE: 1"=50'

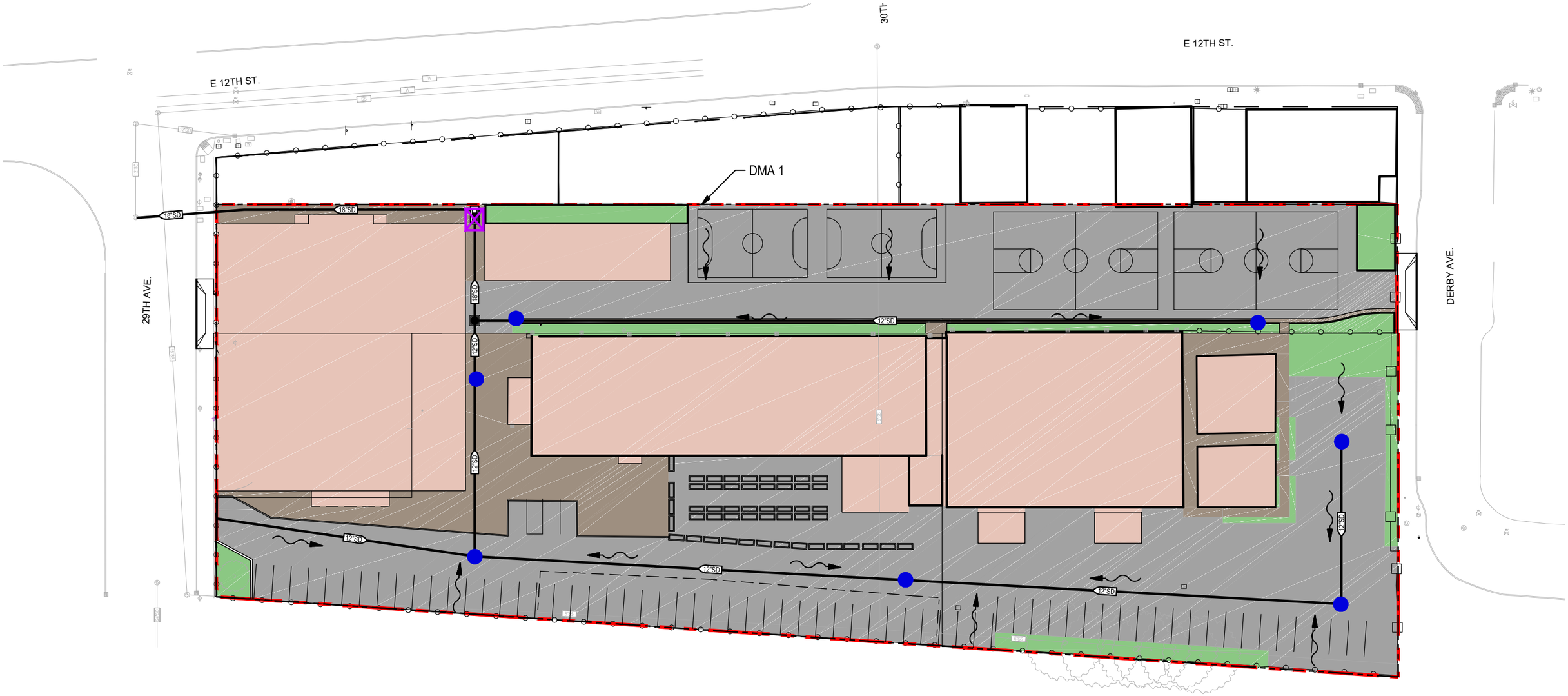
LATITUDE HIGH SCHOOL

POST CONSTRUCTION STORMWATER EXHIBIT

PHASE 1

OAKLAND, CALIFORNIA

SIEGFRIED



POST-PROJECT DRAINAGE MANAGEMENT AREA				
SITE ELEMENT	RUNOFF COEFFICIENT	AREA (SF)	FRACTION OF TOTAL AREA	WEIGHTED RUNOFF COEFF.
LANDSCAPE	0.25	7,838	0.0586	0.0147
ASPHALT / CONCRETE	0.95	75,609	0.5653	0.5370
ROOF	0.95	50,306	0.3761	0.3573
TOTAL		133,753	1.0000	0.9090

LEGEND

- ASPHALT
- CONCRETE
- ROOF
- LANDSCAPE
- STORMWATER BOUNDARY AND DMA 1
- PROPOSED DRAIN INLET WITH "NO DUMPING! FLOWS TO BAY" SIGNAGE
- PROPOSED MEDIA FILTER WITH "NO DUMPING! FLOWS TO BAY" SIGNAGE
- FLOW DIRECTION
- PROPOSED MAINTENANCE HOLE

LATITUDE HIGH SCHOOL

POST CONSTRUCTION STORMWATER EXHIBIT

OAKLAND, CALIFORNIA

MASTER PLAN

SIEGFRIED

Geosyntec consultants

APPENDIX B

Vapor Intrusion Assessment Screening Risk Calculations

Table B-1
Sub-Slab Soil Vapor Screening Risk Evaluation
Latitude High School
Oakland, California

Location	Sample Date	1,1,1-Trichloroethane (µg/m3)	Tetrachloroethene (PCE) (µg/m3)	Trichloroethene (TCE) (µg/m3)	Chloromethane (µg/m3)	Chlorobenzene (µg/m3)	1,2-Dichlorobenzene (µg/m3)	1,3-Dichlorobenzene (µg/m3)	1,4-Dichlorobenzene (µg/m3)	Chloroform (µg/m3)	1,3-Butadiene (µg/m3)	4-Ethyltoluene (µg/m3)	Benzene (µg/m3)	Toluene (µg/m3)	Ethylbenzene (µg/m3)
VP1	7/22/2019	< 0.91	< 0.97	< 0.64	< 1.6	< 0.55	< 0.86	**1.2**	< 0.87	< 0.82	--	**5.1 J**	< 0.69	**2**	< 1.0
	8/24/2019	< 1.6	< 2.3	< 2.5	< 1.6	< 1.4	< 1.2	< 1.5	< 1.3	< 1.3	< 1.3	< 2.3	< 1.0	< 3.1	< 0.62
	9/7/2019	< 1.5	< 1.4	< 0.80	< 1.8	< 0.78	< 1.2	< 1.1	< 1.2	< 1.1	< 0.56	**42**	< 0.59	< 0.68	< 1.1
	10/8/2020	< 6.4	< 8.0	--	< 24	< 5.4	< 7.1	< 7.1	< 7.1	< 5.7	< 2.6	< 5.8	< 3.8	< 4.4	< 5.1
	2/11/2021	< 6.2	< 7.7	< 6.1	< 23	< 5.2	< 6.8	< 6.8	< 6.8	< 5.5	< 5.2	--	< 3.6	< 4.3	< 4.9
Max Conc		0	0	0	0	0	0	1.2	0	0	0	42	0	2	0
CR	3.00E-06	--	0.00E+00	0.00E+00	--	--	--	--	0.00E+00	0.00E+00	0.00E+00	--	0.00E+00	--	0.00E+00
HI	0.09	0.00	0.00	0.00	0.00	0.00	0.00	--	0.00	0.00	0.00	--	0.00	0.00	0.00
VP2	7/15/2019	< 1.6	< 1.5	< 0.85	< 1.9	< 0.83	< 1.2	< 1.1	< 1.3	< 1.2	--	**5.8 J**	**0.93**	**2.9**	**1.3**
	8/13/2019	< 0.82	< 0.88	< 0.58	< 1.4	< 0.50	< 0.78	< 0.77	< 0.78	< 0.74	< 0.52	**7.0**	**0.78 J**	**0.99 J**	< 0.94
	8/24/2019	< 1.7	< 2.3	< 2.6	< 1.7	< 1.5	< 1.3	< 1.6	< 1.3	< 1.3	< 1.4	< 2.4	**2.8 J**	< 3.2	**1.3 J**
	9/7/2019	< 1.4	**1.6 J**	< 0.79	< 1.8	< 0.77	< 1.1	**2.2 J**	**4.1 J**	< 1.1	< 0.56	**210**	**1.6 J**	**3.1 J**	**1.2 J**
	10/8/2020	< 6.6	< 8.2	--	< 25	< 5.6	< 7.3	< 7.3	< 7.3	< 5.9	< 2.7	< 5.9	< 3.9	< 4.6	< 5.2
	2/11/2021	< 6.4	< 7.9	< 6.3	< 24	< 5.4	< 7.0	< 7.0	< 7.0	< 5.7	< 5.4	--	< 3.7	< 4.4	< 5.0
Max Conc		0	0	0	0	0	0	0	0	0	0	210	0.93	2.9	1.3
CR	6.91E-07	--	0.00E+00	0.00E+00	--	--	--	--	0.00E+00	0.00E+00	0.00E+00	--	6.64E-08	--	8.13E-09
HI	0.09	0.00	0.00	0.00	0.00	0.00	0.00	--	0.00	0.00	0.00	--	0.00	0.00	0.00
VP3	7/15/2019	**3.2**	< 1.5	< 0.84	< 1.9	< 0.81	< 1.2	< 1.1	< 1.2	< 1.2	--	**3.0 J**	**0.63**	**1.8**	**1.6**
	8/13/2019	**2.4 J**	**0.95 J**	< 0.60	< 1.5	< 0.52	< 0.81	< 0.80	< 0.81	< 0.76	< 0.54	**7.2**	< 0.64	**0.68 J**	< 0.97
	8/24/2019	**2.6 J**	< 3.4	< 2.4	< 5.8	< 1.8	< 3.3	< 3.0	< 3.2	< 1.7	< 0.89	**5.3 J**	**3.2 J**	< 1.5	< 2.2
	9/7/2019	< 1.4	**1.4 J**	< 0.79	< 1.8	< 0.76	< 1.1	**1.0 J**	< 1.2	< 1.1	< 0.55	**610**	< 0.58	**1.9 J**	**1.7 J**
	10/8/2020	< 6.5	< 8.1	--	< 25	< 5.5	< 7.2	< 7.2	< 7.2	< 5.8	< 2.6	< 5.9	< 3.8	< 4.5	< 5.2
	2/11/2021	< 6.4	< 8.0	< 6.3	< 24	< 5.4	< 7.1	< 7.1	< 7.1	< 5.7	< 5.4	--	< 3.8	< 4.4	< 5.1
Max Conc		3.2	0	0	0	0	0	0	0	0	0	610	0.63	1.8	1.6
CR	5.88E-07	--	0.00E+00	0.00E+00	--	--	--	--	0.00E+00	0.00E+00	0.00E+00	--	4.50E-08	--	1.00E-08
HI	0.18	0.00	0.00	0.00	0.00	0.00	0.00	--	0.00	0.00	0.00	--	0.00	0.00	0.00
VP4	7/15/2019	< 1.5	< 1.5	< 0.84	< 1.9	< 0.81	**1.2**	< 1.1	< 1.2	< 1.2	--	**3.8 J**	**1**	**2**	**1.6**
	7/15/2019	< 1.5	< 1.5	< 0.82	< 1.8	< 0.80	< 1.2	< 1.1	< 1.2	< 1.1	--	**3.0 J**	**0.9**	**1.7**	**1.5**
	8/13/2019	< 0.89	< 0.95	< 0.63	< 1.5	< 0.54	< 0.84	< 0.83	< 0.84	< 0.80	< 0.57	**3.0 J**	**0.89 J**	**0.96 J**	< 1.0
	8/24/2019	< 1.5	< 2.1	< 2.3	< 1.5	< 1.3	< 1.2	< 1.4	< 1.2	< 1.2	< 1.2	**3.7 J**	**2.2 J**	**4.0 J**	**2.1 J**
	9/7/2019	< 1.4	< 1.4	< 0.78	< 1.8	< 0.75	< 1.1	< 1.0	< 1.1	< 1.1	< 0.54	**1.8 J**	< 0.57	**0.90 J**	< 1.1
	10/8/2020	< 6.2	< 7.7	--	< 23	< 5.2	< 6.8	< 6.8	< 6.8	< 5.5	< 2.5	< 5.6	< 3.6	< 4.2	< 4.9
	2/11/2021	< 6.1	< 7.6	< 6.0	< 23	< 5.2	< 6.8	< 6.8	< 6.8	< 5.5	< 5.2	--	< 3.6	< 4.2	< 4.9
Max Conc		0	0	0	0	0	1.2	0	0	0	0	0	1	2	1.6
CR	2.08E-06	--	0.00E+00	0.00E+00	--	--	--	--	0.00E+00	0.00E+00	0.00E+00	--	7.14E-08	--	1.00E-08
HI	0.06	0.00	0.00	0.00	0.00	0.00	0.00	--	0.00	0.00	0.00	--	0.00	0.00	0.00
VP5	7/15/2019	**9.1**	**250**	< 0.82	< 1.8	< 0.80	< 1.2	< 1.1	< 1.2	< 1.1	--	**4.5 J**	**0.62**	**1.5**	**1.6**
	8/13/2019	**9.3**	**270**	< 0.68	< 1.7	< 0.58	< 0.91	< 0.90	< 0.91	5.3 J	< 0.61	**7.2**	< 0.72	**1.1 J**	< 1.1
	8/24/2019	**14**	**340**	< 2.4	< 1.6	< 1.4	< 1.2	< 1.5	< 1.2	3.6 J	< 1.3	< 2.2	< 1.0	< 3.0	< 0.60
	9/7/2019	**9.7**	**470**	< 0.82	< 1.8	**1.0 J**	< 1.2	< 1.1	< 1.2	1.2 J	< 0.57	**75**	< 0.60	< 0.69	< 1.1
	10/8/2020	**16**	**480**	--	< 23	< 5.1	< 6.6	< 6.6	< 6.6	< 5.4	< 2.4	< 5.4	< 3.5	< 4.1	< 4.8
	2/11/2021	**12**	**380**	< 6.4	< 25	< 5.5	< 7.2	< 7.2	< 7.2	< 5.8	< 5.5	--	**14**	< 4.5	< 5.2
Max Conc		16	480	0	0	0	0	0	0	5.3	0	75	14	1.5	1.6
CR	8.93E-06	--	7.16E-06	0.00E+00	--	--	--	--	0.00E+00	2.94E-07	0.00E+00	--	1.00E-06	--	1.00E-08
HI	0.16	0.00	0.08	0.00	0.00	0.00	0.00	--	0.00	0.00	0.00	--	0.03	0.00	0.00

Table B-1
Sub-Slab Soil Vapor Screening Risk Evaluation
Latitude High School
Oakland, California

Location	Sample Date	1,1,1-Trichloroethane (µg/m3)	Tetrachloroethene (PCE) (µg/m3)	Trichloroethene (TCE) (µg/m3)	Chloromethane (µg/m3)	Chlorobenzene (µg/m3)	1,2-Dichlorobenzene (µg/m3)	1,3-Dichlorobenzene (µg/m3)	1,4-Dichlorobenzene (µg/m3)	Chloroform (µg/m3)	1,3-Butadiene (µg/m3)	4-Ethyltoluene (µg/m3)	Benzene (µg/m3)	Toluene (µg/m3)	Ethylbenzene (µg/m3)
VP6	7/15/2019	< 1.6	**10**	< 0.87	< 2.0	< 0.84	< 1.2	< 1.1	< 1.3	**7.9**	--	**3.8 J**	**0.73**	**2.1**	**2.1**
	8/13/2019	< 1.0	**8.3 J**	< 0.74	< 1.8	< 0.64	< 1.0	< 0.99	< 1.0	**1.6 J**	< 0.67	**3.8 J**	< 0.79	**0.62 J**	< 1.2
	8/24/2019	< 1.6	**15**	< 2.4	< 1.6	< 1.4	< 1.2	< 1.4	< 1.2	**2.0 J**	< 1.3	< 2.2	**3.5 J**	< 3.0	< 0.59
	8/24/2019	< 1.5	**18**	< 2.3	< 1.5	< 1.3	< 1.1	< 1.4	< 1.2	**2.1 J**	< 1.2	< 2.1	**2.7 J**	< 2.8	< 0.57
	9/7/2019	< 1.4	**20**	< 0.79	< 1.8	< 0.76	< 1.1	< 1.0	< 1.2	< 1.1	< 0.56	**2.1 J**	< 0.58	< 0.66	< 1.1
	10/8/2020	< 6.3	**17**	--	< 24	< 5.3	< 7.0	< 7.0	< 7.0	< 5.7	< 2.6	< 5.7	< 3.7	< 4.4	< 5.0
	10/8/2020*	< 6.7	**18**	--	< 25	< 5.6	< 7.4	< 7.4	< 7.4	< 6.0	< 2.7	< 6.0	< 3.9	< 4.6	< 5.3
	2/12/2021	< 6.0	**12**	< 6.0	< 23	< 5.1	< 6.7	< 6.7	< 6.7	< 5.4	< 5.1	--	< 3.5	< 4.2	< 4.8
	2/12/2021*	< 6.0	**12**	< 5.9	< 23	< 5.1	< 6.6	< 6.6	< 6.6	< 5.4	< 5.1	--	< 3.5	< 4.1	< 4.8
Max Conc		0	20	0	0	0	0	0	0	7.9	0	0	0.73	2.1	2.1
CR	2.80E-06	--	2.99E-07	0.00E+00	--	--	--	--	0.00E+00	4.39E-07	0.00E+00	--	5.21E-08	--	1.31E-08
HI	0.07	0.00	0.00	0.00	0.00	0.00	0.00	--	0.00	0.00	0.00	--	0.00	0.00	0.00
VP7	7/15/2019	< 1.4	**7.9**	< 0.79	< 1.8	< 0.76	< 1.1	< 1.0	< 1.2	< 1.1	--	**6.1**	**3.7**	**34**	**8**
	8/13/2019	< 0.87	**6.6 J**	< 0.62	< 1.5	< 0.53	< 0.83	< 0.82	< 0.83	< 0.78	**2.0 J**	**16**	**4.9**	**18**	**3.2 J**
	8/24/2019	< 1.6	**9.6**	< 2.5	< 1.6	< 1.4	< 1.2	< 1.5	< 1.3	< 1.3	< 1.3	**16**	**3.2 J**	**16**	**3.2 J**
	9/7/2019	< 1.4	< 1.4	< 0.79	**4.5 J**	< 0.77	< 1.1	< 1.0	< 1.2	< 1.1	< 0.56	**100**	**4.2**	**43**	**6.8**
	10/8/2020	< 6.1	< 7.6	--	< 23	< 5.2	< 6.7	< 6.7	< 6.7	< 5.5	< 2.5	< 5.5	< 3.6	**7.7**	< 4.9
	2/11/2021	< 6.0	< 7.5	< 6.0	< 23	< 5.1	< 6.7	< 6.7	< 6.7	< 5.4	< 5.1	--	< 3.5	**4.9**	< 4.8
Max Conc		0	9.6	0	0	0	0	0	0	0	2	100	4.9	43	8
CR	3.02E-06	--	1.43E-07	0.00E+00	--	--	--	--	0.00E+00	0.00E+00	1.46E-07	--	3.50E-07	--	5.00E-08
HI	0.11	0.00	0.00	0.00	0.00	0.00	0.00	--	0.00	0.00	0.01	--	0.01	0.00	0.00
VP8	7/15/2019	< 1.4	< 1.4	< 0.78	< 1.8	< 0.75	< 1.1	< 1.0	< 1.1	< 1.1	--	**4.9 J**	**1.3**	**5.7**	**1.6**
	8/13/2019	< 0.84	< 0.90	< 0.59	< 1.4	< 0.51	< 0.79	< 0.79	< 0.80	< 0.75	**0.54 J**	**21**	**1.0 J**	**7.4**	< 0.96
	8/24/2019	< 1.5	< 2.1	< 2.4	< 1.6	< 1.4	< 1.2	< 1.4	< 1.2	< 1.2	< 1.2	**13**	**3.9**	**2.9 J**	< 0.58
	9/7/2019	< 1.6	< 1.6	< 0.89	< 2.0	< 0.86	< 1.3	< 1.2	< 1.3	< 1.2	< 0.63	**56**	< 0.66	**3.4 J**	< 1.2
	9/7/2019	< 1.6	< 1.6	< 0.90	**2.7 J**	< 0.87	< 1.3	< 1.2	< 1.3	< 1.2	< 0.63	**71**	< 0.66	**3.6 J**	< 1.2
	10/8/2020	< 6.5	< 8.1	--	< 25	< 5.5	< 7.2	< 7.2	< 7.2	< 5.8	< 2.6	< 5.9	< 3.8	< 4.5	< 5.2
	2/11/2021	< 6.0	< 7.4	< 5.9	< 23	< 5.0	< 6.6	< 6.6	< 6.6	< 5.3	< 5.1	--	< 3.5	< 4.1	< 4.8
Max Conc		0	0	0	0	0	0	0	0	0	0.54	71	3.9	7.4	1.6
CR	9.03E-07	--	0.00E+00	0.00E+00	--	--	--	--	0.00E+00	0.00E+00	3.95E-08	--	2.79E-07	--	1.00E-08
HI	0.05	0.00	0.00	0.00	0.00	0.00	0.00	--	0.00	0.00	0.00	--	0.01	0.00	0.00
VP9	7/15/2019	< 1.5	< 1.5	< 0.82	< 1.8	< 0.80	< 1.2	< 1.1	< 1.2	< 1.1	--	**6.5**	**0.96**	**5.1**	**4.5**
	8/13/2019	< 0.94	**1.1 J**	< 0.66	< 1.6	< 0.57	< 0.89	< 0.88	< 0.90	< 0.84	**1.5 J**	**8.0**	**3.2 J**	**2.4 J**	< 1.1
	8/24/2019	< 2.3	< 3.2	< 2.3	< 5.4	< 1.7	< 3.1	< 2.8	< 3.0	< 1.6	< 0.84	**7.3**	**1.5 J**	**1.6 J**	< 2.0
	10/8/2020	< 5.9	< 7.3	--	< 22	< 4.9	< 6.5	< 6.5	< 6.5	< 5.2	**10**	**1300**	**5.6**	**13**	< 4.7
	2/11/2021	< 6.3	< 7.8	**34**	< 24	< 5.3	< 6.9	< 6.9	< 6.9	< 5.6	< 5.3	--	< 3.7	< 4.3	< 5.0
Max Conc		0	0	34	0	0	0	0	0	0	10	1300	5.6	13	4.5
CR	1.49E-05	--	0.00E+00	3.40E-07	--	--	--	--	0.00E+00	0.00E+00	7.32E-07	--	4.00E-07	--	2.81E-08
HI	0.79	0.00	0.00	0.12	0.00	0.00	0.00	--	0.00	0.00	0.03	--	0.01	0.00	0.00
VP10	7/22/2019	< 1.6	**9.8**	< 0.89	< 2.0	< 0.86	< 1.3	< 1.2	< 1.3	< 1.2	--	**4.4 J**	**3.7**	**15**	**5.7**
	8/13/2019	**1.2 J**	**8.0 J**	< 0.66	< 1.6	< 0.57	< 0.89	< 0.88	< 0.90	< 0.84	< 0.60	**16**	**2.3 J**	**5.9**	**2.0 J**
	8/24/2019	< 2.3	**8.9**	< 2.3	< 5.4	< 1.7	< 3.1	< 2.8	< 3.0	< 1.6	< 0.84	**28**	**1.7 J**	**1.4 J**	< 2.0
	9/7/2019	**1.5 J**	**13**	< 0.81	< 1.8	< 0.79	< 1.2	< 1.1	< 1.2	< 1.1	< 0.57	**480**	**0.66 J**	**2.0 J**	**2.2 J**
	10/8/2020	< 6.3	**19**	--	< 24	< 5.3	< 7.0	< 7.0	< 7.0	< 5.7	< 2.6	< 5.7	< 3.7	< 4.4	< 5.0
	2/11/2021	< 6.0	**10**	< 6.0	< 23	< 5.1	< 6.7	< 6.7	< 6.7	< 5.4	< 5.1	--	< 3.5	< 4.2	< 4.8
Max Conc		0	19	0	0	0	0	0	0	0	0	480	3.7	15	5.7
CR	1.03E-06	--	2.84E-07	0.00E+00	--	--	--	--	0.00E+00	0.00E+00	0.00E+00	--	2.64E-07	--	3.56E-08
HI	0.14	0.00	0.00	0.00	0.00	0.00	0.00	--	0.00	0.00	0.00	--	0.01	0.00	0.00
SFBRWQCB ESL	***C/I Cancer***	**-**	**67**	**100**	**-**	**-**	**-**	**-**	**37**	**18**	**14**	**-**	**14**	**-**	**160**
	C/I Noncancer	**150000**	**5800**	**290**	**13000**	**7300**	**29000**	**-**	**120000**	**14000**	**293**	**-**	**440**	**44000**	**150000**

Table B-1
Sub-Slab Soil Vapor Screening Risk Evaluation
Latitude High School
Oakland, California

Location	Sample Date	m&p-Xylenes (µg/m3)	o-Xylene (µg/m3)	Benzene, 1,2,4-trimethyl- (µg/m3)	Benzene, 1,3,5-trimethyl- (µg/m3)	Propylbenzene (µg/m3)	Cumene (µg/m3)	Styrene (µg/m3)	Naphthalene (µg/m3)	Heptane (µg/m3)	Hexane (µg/m3)	Tetrahydrofuran (µg/m3)	Cyclohexane (µg/m3)	TPH as gasoline (µg/m3)	Methyl tert-butyl ethyl (µg/m3)
VP1	7/22/2019	**3.2**	**1.7**	**4**	**1.8**	**1.4**	< 0.59	< 0.92	**36**	< 1.3	< 0.42	< 1.3	< 0.66	---	< 2.2
	8/24/2019	< 1.5	< 2.2	< 4.6	< 3.7	< 2.7	< 1.6	< 1.1	< 0.41	< 2.4	< 2.1	< 1.5	< 1.2	< 510	< 2.3
	9/7/2019	< 0.96	**1.6 J**	**58**	**15**	**7.2**	**1.9 J**	< 0.78	< 7.3	< 0.74	< 0.64	< 0.83	< 1.7	< 470	< 2.2
	10/8/2020	< 5.1	< 5.1	< 5.8	< 5.8	< 5.8	< 5.8	< 5.0	< 12	< 4.8	< 4.1	< 3.5	< 4.0	--	< 17
	2/11/2021	< 4.9	< 4.9	< 5.6	< 5.6	< 5.6	< 5.6	< 4.8	< 12	< 4.6	< 4.0	< 3.3	< 3.9	< 460	< 16
Max Conc		3.2	1.7	58	15	7.2	0	0	36	0	0	0	0	0	0
CR	3.00E-06	--	--	--	--	--	--	--	3.00E-06	--	--	--	--	--	0.00E+00
HI	0.09	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00
VP2	7/15/2019	**3.1**	**1.8**	**5.2**	**1.8**	**2.9**	< 0.60	**1.1**	**7.4**	**1**	< 0.68	**0.93**	< 1.8	---	< 2.4
	8/13/2019	**0.90 J**	< 1.0	**8.7**	**2.8 J**	**1.6 J**	< 0.53	**1.2 J**	**3.7 J**	< 1.2	< 0.38	**1.4 J**	< 0.59	**650**	**3.7 J**
	8/24/2019	**2.6 J**	< 2.3	< 4.7	< 3.9	< 2.8	< 1.6	**2.0 J**	**1.6 J**	< 2.5	< 2.2	**2.5 J**	< 1.3	**1,200**	< 2.4
	9/7/2019	**2.6 J**	**6.7**	**310**	**62**	**32**	**7.3**	< 0.77	< 7.2	**2.5 J**	< 0.63	< 0.82	< 1.7	**1,900**	< 2.2
	10/8/2020	< 5.2	< 5.2	< 5.9	< 5.9	< 5.9	< 5.9	< 5.2	< 13	< 5.0	< 4.3	< 3.6	< 4.2	--	< 17
	2/11/2021	< 5.0	< 5.0	< 5.7	< 5.7	< 5.7	< 5.7	< 5.0	< 12	< 4.8	< 4.1	< 3.4	< 4.0	< 480	< 17
Max Conc		3.1	6.7	310	62	32	7.3	1.1	7.4	1	0	0.93	0	1900	0
CR	6.91E-07	--	--	--	--	--	--	--	6.17E-07	--	--	--	--	--	0.00E+00
HI	0.09	0.00	0.00	0.04	0.01	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.02	0.00
VP3	7/15/2019	**4.7**	**1.6**	**2.8**	**1.4**	**1**	< 0.59	5	**6.4**	< 0.77	< 0.67	< 0.87	< 1.8	---	< 2.3
	8/13/2019	**0.85 J**	< 1.1	**8.9**	**2.3 J**	**1.2 J**	< 0.55	--	**4.7**	< 1.2	< 0.39	< 1.2	< 0.62	< 460	< 2.1
	8/24/2019	< 1.4	< 1.8	**7.9**	< 2.7	< 2.1	**1.6 J**	--	**4.0 J**	< 1.6	< 1.7	< 2.0	< 1.8	< 520	< 1.3
	9/7/2019	**6.6**	**18**	**730**	**160**	**100**	**25**	--	**8.1 J**	< 0.72	< 0.62	< 0.82	< 1.7	**4,000**	< 2.2
	10/8/2020	< 5.2	< 5.2	< 5.9	< 5.9	< 5.9	< 5.9	< 5.1	< 12	< 4.9	< 4.2	< 3.5	< 4.1	--	< 17
	2/11/2021	< 5.1	< 5.1	< 5.8	< 5.8	< 5.8	< 5.8	< 5.0	**< 12**	< 4.8	< 4.1	< 3.5	< 4.0	< 480	< 17
Max Conc		6.6	18	730	160	100	25	5	6.4	0	0	0	0	4000	0
CR	5.88E-07	--	--	--	--	--	--	--	5.33E-07	--	--	--	--	--	0.00E+00
HI	0.18	0.00	0.00	0.08	0.02	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.05	0.00
VP4	7/15/2019	**3.2**	**2**	**3.1**	**1.4**	**0.9**	< 0.59	< 0.81	**24**	**1.2**	**0.69**	**1.1**	< 1.8	---	< 2.3
	7/15/2019	**2.9**	**1.6**	**3.1**	**1.2**	< 0.86	< 0.58	< 0.80	--	**2.6**	< 0.65	**1.2**	< 1.7	---	< 2.3
	8/13/2019	**0.88 J**	< 1.1	**4.3 J**	**0.76 J**	**0.59 J**	< 0.57	< 0.89	**2.4 J**	< 1.2	**1.8 J**	< 1.2	< 0.64	< 480	< 2.2
	8/24/2019	**3.7 J**	**2.1 J**	**8.4**	< 3.5	< 2.5	< 1.5	< 1.0	**0.58 J**	< 2.2	**3.0 J**	**1.8 J**	2.4 J	< 470	< 2.2
	9/7/2019	< 0.93	< 1.4	**2.8 J**	< 0.65	< 0.81	< 0.54	**1.2 J**	< 7.1	< 0.71	< 0.62	< 0.80	< 1.6	< 450	< 2.1
	10/8/2020	< 4.9	< 4.9	< 5.6	< 5.6	< 5.6	< 5.6	< 4.8	< 12	< 4.6	< 4.0	< 3.3	< 3.9	--	< 16
	2/11/2021	< 4.9	< 4.9	< 5.5	< 5.5	< 5.5	< 5.5	< 4.8	**< 12**	< 4.6	< 4.0	< 3.3	< 3.9	< 460	< 16
Max Conc		3.2	2	8.4	1.4	0.9	0	0	24	2.6	0.69	1.2	0	0	0
CR	2.08E-06	--	--	--	--	--	--	--	2.00E-06	--	--	--	--	--	0.00E+00
HI	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00
VP5	7/15/2019	**3.4**	**1.8**	**3.4**	**1.4**	**1.1**	< 0.58	**1**	**5**	< 0.76	< 0.65	< 0.85	< 1.7	---	< 2.3
	8/13/2019	**0.77 J**	< 1.2	**6.6**	**2.4 J**	**1.6 J**	< 0.62	< 0.97	**4.6**	< 1.3	**0.58 J**	< 1.3	0.94 J	650	< 2.4
	8/24/2019	< 1.4	< 2.2	**6.1**	< 3.6	< 2.6	< 1.6	< 1.1	**1.8 J**	< 2.4	< 2.1	< 1.4	< 1.2	1,100	< 2.3
	9/7/2019	< 0.98	**3.1 J**	**100**	**20**	**13**	**3.1 J**	< 0.79	< 7.5	< 0.75	< 0.65	< 0.85	< 1.7	1,300	< 2.3
	10/8/2020	< 4.8	< 4.8	< 5.4	< 5.4	< 5.4	< 5.4	< 4.7	< 12	< 4.5	< 3.9	< 3.2	< 3.8	--	< 16
	2/11/2021	< 5.2	< 5.2	< 5.9	< 5.9	< 5.9	**12**	< 5.1	**< 12**	< 4.9	< 4.2	< 3.5	< 4.1	< 490	< 17
Max Conc		3.4	1.8	100	20	13	12	1	5	0	0	0	0	1300	0
CR	8.93E-06	--	--	--	--	--	--	--	4.17E-07	--	--	--	--	--	0.00E+00
HI	0.16	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.02	0.00

Table B-1
Sub-Slab Soil Vapor Screening Risk Evaluation
Latitude High School
Oakland, California

Location	Sample Date	m&p-Xylenes (µg/m3)	o-Xylene (µg/m3)	Benzene, 1,2,4-trimethyl- (µg/m3)	Benzene, 1,3,5-trimethyl- (µg/m3)	Propylbenzene (µg/m3)	Cumene (µg/m3)	Styrene (µg/m3)	Naphthalene (µg/m3)	Heptane (µg/m3)	Hexane (µg/m3)	Tetrahydrofuran (µg/m3)	Cyclohexane (µg/m3)	TPH as gasoline (µg/m3)	Methyl tert-butyl ethyl (µg/m3)
VP6	7/15/2019	**4.9**	**2.7**	**3.4**	**1.5**	**0.94**	< 0.61	**1.7**	**24**	< 0.80	< 0.69	**1.4**	< 1.8	---	< 2.4
	8/13/2019	< 0.72	< 1.3	**4.7 J**	**1.2 J**	**0.94 J**	< 0.68	< 1.0	**5.6**	< 1.5	< 0.49	< 1.5	< 0.76	< 560	< 2.6
	8/24/2019	< 1.4	< 2.2	< 4.4	< 3.6	< 2.6	< 1.5	< 1.1	**3.8 J**	< 2.3	< 2.1	< 1.4	< 1.2	< 490	< 2.3
	8/24/2019	< 1.3	< 2.0	< 4.2	< 3.4	< 2.5	< 1.5	< 1.0	**4.5 J**	< 2.2	< 2.0	< 1.3	< 1.2	< 470	< 2.2
	9/7/2019	< 0.95	< 1.4	< 2.0	< 0.66	< 0.82	< 0.55	< 0.76	< 7.2	< 0.73	< 0.63	< 0.82	< 1.7	< 460	< 2.2
	10/8/2020	< 5.0	< 5.0	< 5.7	< 5.7	< 5.7	< 5.7	< 4.9	< 12	< 4.8	< 4.1	< 3.4	< 4.0	--	< 17
	10/8/2020*	< 5.3	< 5.3	< 6.0	< 6.0	< 6.0	< 6.0	< 5.2	< 13	< 5.0	< 4.3	< 3.6	< 4.2	--	< 18
	2/12/2021	< 4.8	< 4.8	< 5.4	< 5.4	< 5.4	< 5.4	< 4.7	< 12	< 4.5	< 3.9	< 3.3	< 3.8	< 450	< 16
	2/12/2021*	< 4.8	< 4.8	< 5.4	< 5.4	< 5.4	< 5.4	< 4.7	< 12	< 4.5	< 3.9	< 3.2	< 3.8	< 450	< 16
Max Conc		4.9	2.7	3.4	1.5	0.94	0	1.7	24	0	0	1.4	0	0	0
CR	2.80E-06	--	--	--	--	--	--	--	2.00E-06	--	--	--	--	--	0.00E+00
HI	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00
VP7	7/15/2019	**32**	**13**	**7.2**	**3.1**	**1.7**	**1.3 J**	**1.4**	**21**	**2.9**	< 0.63	**4.1**	< 1.7	---	< 2.2
	8/13/2019	**12**	**5.3**	**15**	**5.0 J**	**3.0 J**	**1.1 J**	**1.2 J**	**8.8**	< 1.2	**1.6 J**	**1.5 J**	< 0.63	450	< 2.1
	8/24/2019	**9.2**	**7.6**	**38**	**14**	**8.9**	**3.0 J**	< 1.1	**7.3 J**	< 2.4	< 2.1	< 1.5	< 1.2	1,200	< 2.3
	9/7/2019	**26**	**13**	**120**	**30**	**22**	**7.2**	< 0.77	< 7.2	**2.8 J**	< 0.63	< 0.82	< 1.7	1,400	4.7 J
	10/8/2020	**9.2**	**6.8**	< 5.5	< 5.5	< 5.5	< 5.5	< 4.8	< 12	< 4.6	< 3.9	< 3.3	< 3.8	--	< 16
	2/11/2021	< 4.8	< 4.8	< 5.4	< 5.4	< 5.4	< 5.4	< 4.7	**< 12**	< 4.5	< 3.9	< 3.3	< 3.8	< 450	< 16
Max Conc		32	13	120	30	22	7.2	1.4	21	2.9	0	4.1	0	1400	0
CR	3.02E-06	--	--	--	--	--	--	--	1.75E-06	--	--	--	--	--	0.00E+00
HI	0.11	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.02	0.00
VP8	7/15/2019	**6.6**	**2.8**	**4.6**	**1.7**	**1.3**	< 0.54	**0.81**	**6.9**	< 0.71	< 0.62	**1.7**	< 1.6	---	< 2.1
	8/13/2019	**3.8 J**	**2.8 J**	**22**	**6.5**	**4.0 J**	**1.5 J**	< 0.84	**5.2**	**1.5 J**	**0.97 J**	**1.4 J**	< 0.60	740	12 J
	8/24/2019	**2.4 J**	**2.8 J**	**56**	**17**	**8**	**4.2 J**	< 1.1	**1.7 J**	< 2.3	< 2.0	< 1.4	< 1.2	1,100	< 2.2
	9/7/2019	**3.3 J**	**3.9 J**	**70**	**16**	**10**	**3.4 J**	< 0.86	< 8.2	< 0.82	< 0.71	< 0.92	< 1.9	820	< 2.5
	9/7/2019	**4.2 J**	**5.2 J**	**80**	**18**	**13**	**5.1 J**	< 0.87	< 8.2	< 0.83	< 0.72	**3.6 J**	< 1.9	820	< 2.5
	10/8/2020	< 5.2	< 5.2	< 5.9	< 5.9	< 5.9	< 5.9	< 5.1	< 12	< 4.9	< 4.2	< 3.5	< 4.1	--	< 17
	2/11/2021	< 4.8	< 4.8	< 5.4	< 5.4	< 5.4	< 5.4	< 4.7	< 11	< 4.5	< 3.8	< 3.2	< 3.8	< 450	< 16
Max Conc		6.6	2.8	80	18	13	0	0.81	6.9	0	0	1.7	0	1100	0
CR	9.03E-07	--	--	--	--	--	--	--	5.75E-07	--	--	--	--	--	0.00E+00
HI	0.05	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.01	0.00
VP9	7/15/2019	**9.9**	**4.7**	**10**	**2.4**	**1.4**	< 0.58	**1.2**	**160**	< 0.76	< 0.65	**2.3**	< 1.7	---	< 2.3
	8/13/2019	**0.95 J**	< 1.2	**9.2**	**2.5 J**	**1.8 J**	< 0.61	< 0.95	**15**	**2.1 J**	**5.9**	< 1.3	< 0.68	< 500	< 2.3
	8/24/2019	**1.6 J**	< 1.6	**8.8**	< 2.6	< 2.0	< 1.4	< 1.4	**17**	< 1.6	< 1.6	< 1.9	< 1.7	< 480	< 1.2
	10/8/2020	**14**	**55**	**1600**	**280**	**240**	**62**	< 4.6	< 11	**7.8**	**4.1**	**5**	< 3.7	--	< 16
	2/11/2021	< 5.0	< 5.0	< 5.6	< 5.6	< 5.6	< 5.6	< 4.9	< 12	< 4.7	< 4.0	< 3.4	< 4.0	< 470	< 16
Max Conc		14	55	1600	280	240	62	1.2	160	7.8	5.9	5	0	0	0
CR	1.49E-05	--	--	--	--	--	--	--	1.33E-05	--	--	--	--	--	0.00E+00
HI	0.79	0.00	0.00	0.18	0.03	0.02	0.00	0.00	0.36	0.00	0.00	0.00	0.00	0.00	0.00
VP10	7/22/2019	**6.7**	**3**	**4.9**	**2**	**1.2**	< 0.62	< 0.86	**4.6**	< 0.82	< 0.71	**1.2**	< 1.9	---	< 2.5
	8/13/2019	**3.6 J**	**5.1 J**	**14**	**6.4**	**3.7 J**	**1.5 J**	**1.3 J**	**5.3**	< 1.3	**1.4 J**	< 1.3	**0.87 J**	**610**	**7.7 J**
	8/24/2019	**1.9 J**	**2.1 J**	**21**	**6.4**	**5.8**	**2.3 J**	< 1.4	**4.1 J**	< 1.5	< 1.6	< 1.9	< 1.7	**570**	**10 J**
	9/7/2019	**4.1 J**	**14**	**530**	**120**	**91**	**22**	< 0.79	< 7.4	**14**	< 0.65	< 0.84	< 1.7	**2,600**	**4.3 J**
	10/8/2020	< 5.0	< 5.0	< 5.7	< 5.7	< 5.7	< 5.7	< 4.9	< 12	< 4.8	< 4.1	< 3.4	< 4.0	--	< 17
	2/11/2021	< 4.8	< 4.8	< 5.4	< 5.4	< 5.4	< 5.4	< 4.7	< 12	< 4.5	< 3.9	< 3.3	< 3.8	< 450	< 16
Max Conc		6.7	14	530	120	91	22	0	5.3	14	0	1.2	0	2600	0
CR	1.03E-06	--	--	--	--	--	--	--	4.42E-07	--	--	--	--	--	0.00E+00
HI	0.14	0.00	0.00	0.06	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.03	0.00
SFBRWQCB ESL	***C/I Cancer***	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**12**	**-**	**-**	**-**	**-**	**-**	**1600**
	C/I Noncancer	**15000**	**15000**	**8667**	**8667**	**14667**	**60000**	**130000**	**440**	**60000**	**103333**	**293333**	**866667**	**83000**	**440000**

Table B-1
Sub-Slab Soil Vapor Screening Risk Evaluation
Latitude High School
Oakland, California

Location	Sample Date	2-butanone (MEK) (µg/m3)	Acetone (µg/m3)	Ethanol (µg/m3)	2-Hexanone (µg/m3)	2-Propanol (µg/m3)	4-Methyl-2-pentanone (µg/m3)	Carbon Disulfide (µg/m3)	Methylene Chloride (µg/m3)	Freon 11 (µg/m3)	Freon 12 (µg/m3)	1,4-Dioxane (µg/m3)	Bromomethane (µg/m3)
VP1	7/22/2019	< 3.3	35	86	< 2.2	3.8	< 2.0	13	< 2.8	1.5	2.3	< 2.5	< 3.1
	8/24/2019	< 7.2	24 J	56	< 4.6	3.4 J	< 1.9	< 3.4	< 2.8	2.0 J	2.9 J	< 3.9	< 12
	9/7/2019	< 3.7	12 J	11	< 2.2	< 1.6	< 1.0	< 2.1	< 1.6	0.93 J	2.2 J	< 2.2	< 2.5
	10/8/2020	< 14	< 28	< 22	< 19	< 12	< 4.8	< 15	< 41	< 6.6	< 5.8	< 17	< 46
	2/11/2021	< 13	< 27	< 21	--	19	--	51	< 39	< 6.4	< 5.6	< 16	< 9.7
Max Conc		0	35	86	0	19	0	51	0	1.5	2.3	0	0
CR	3.00E-06	--	--	--	--	--	--	--	0.00E+00	--	--	0.00E+00	--
HI	0.09	0.00	0.00	--	0.00	0.00	0.00	0.00	0.00	--	0.00	0.00	0.00
VP2	7/15/2019	14	400	190	< 2.4	21	1.7	7.2	< 1.7	5.3	2.7	< 2.3	< 2.6
	8/13/2019	13	900	180	< 1.9	36	< 1.8	7.4 J	< 2.6	4.4 J	1.9 J	< 2.2	< 2.8
	8/24/2019	9.0 J	1,700 E	94	< 4.8	27	< 2.0	< 3.5	< 2.9	7.8	2.3 J	< 4.0	< 12
	9/7/2019	5.4 J	1,200 E	340	< 2.2	24	< 0.99	9.5 J	< 1.6	4.7 J	2.2 J	< 2.1	< 2.4
	10/8/2020	< 14	63	< 23	< 20	22	< 5.0	< 15	< 42	< 6.8	< 6.0	< 17	< 47
	2/11/2021	< 14	32	< 22	--	27	--	< 14	< 40	< 6.5	< 5.8	< 17	< 9.9
Max Conc		14	1700	340	0	36	1.7	7.2	0	7.8	2.7	0	0
CR	6.91E-07	--	--	--	--	--	--	--	0.00E+00	--	--	0.00E+00	--
HI	0.09	0.00	0.00	--	0.00	0.00	0.00	0.00	0.00	--	0.00	0.00	0.00
VP3	7/15/2019	6.6	70	150	< 2.3	5.9	1.2	5.9	< 1.7	13	4.8	< 2.3	< 2.6
	8/13/2019	4.5 J	42	400	< 2.0	9.7 J	< 1.8	2.4 J	< 2.6	9.1	4.1 J	< 2.3	< 2.9
	8/24/2019	< 3.0	28 J	480	< 5.0	< 3.8	< 2.0	3.0 J	< 3.8	4.3 J	< 2.4	< 9.6	< 3.7
	9/7/2019	4.8 J	50	740	< 2.2	4.3 J	1.2 J	6.6 J	< 1.6	1.7 J	2.1 J	< 2.1	< 2.4
	10/8/2020	< 14	< 28	39	< 20	16	< 4.9	< 15	< 42	20	< 5.9	< 17	< 47
	2/11/2021	< 14	< 28	< 22	--	< 12	--	< 15	< 41	14	< 5.8	< 17	< 10
Max Conc		6.6	70	740	0	16	1.2	5.9	0	20	4.8	0	0
CR	5.88E-07	--	--	--	--	--	--	--	0.00E+00	--	--	0.00E+00	--
HI	0.18	0.00	0.00	--	0.00	0.00	0.00	0.00	0.00	--	0.00	0.00	0.00
VP4	7/15/2019	< 3.9	32	50	< 2.3	3.9	1.4	6.4	< 1.7	1.5	2.9	< 2.3	< 2.6
	7/15/2019	4.3	33	53	< 2.3	86	1.4	5	< 1.6	1.2	2.8	< 2.2	2.9
	8/13/2019	< 3.2	15 J	23	< 2.1	< 1.7	< 1.9	< 2.2	< 2.8	1.4 J	2.3 J	< 2.4	< 3.0
	8/24/2019	< 6.7	19 J	32	< 4.3	2.2 J	< 1.8	< 3.2	< 2.6	2.5 J	3.1 J	< 3.6	< 11
	9/7/2019	< 3.6	16 J	11	< 2.2	2.8 J	< 0.96	< 2.1	< 1.5	< 0.86	1.9 J	< 2.1	< 2.4
	10/8/2020	< 13	35	< 21	< 18	15	< 4.6	< 14	< 39	< 6.3	< 5.6	< 16	< 44
	2/11/2021	< 13	< 27	< 21	--	< 11	--	< 14	< 39	< 6.3	< 5.6	< 16	< 9.6
Max Conc		4.3	35	53	0	86	1.4	6.4	0	1.5	2.9	0	2.9
CR	2.08E-06	--	--	--	--	--	--	--	0.00E+00	--	--	0.00E+00	--
HI	0.06	0.00	0.00	--	0.00	0.00	0.00	0.00	0.00	--	0.00	0.00	0.00
VP5	7/15/2019	4	41	51	< 2.3	7	1	7.9	< 1.6	8.9	3.8	2.6	< 2.5
	8/13/2019	< 3.5	16 J	42	< 2.3	2.2 J	< 2.1	10 J	< 3.0	14	3.9 J	< 2.6	< 3.2
	8/24/2019	< 7.0	20 J	41	< 4.5	2.5 J	< 1.9	3.5 J	< 2.8	21	4.5 J	< 3.8	< 11
	9/7/2019	< 3.8	8.0 J	52	< 2.3	1.9 J	< 1.0	5.0 J	< 1.6	13	3.1 J	< 2.2	< 2.5
	10/8/2020	< 13	< 26	76	< 18	15	< 4.5	< 14	< 38	28	6.5	< 16	< 43
	2/11/2021	< 14	31	< 22	--	< 12	--	< 15	< 42	21	< 5.9	< 17	< 10
Max Conc		4	41	76	0	15	1	7.9	0	28	6.5	2.6	0
CR	8.93E-06	--	--	--	--	--	--	--	0.00E+00	--	--	4.91E-08	--
HI	0.16	0.00	0.00	--	0.00	0.00	0.00	0.00	0.00	--	0.00	0.00	0.00

Table B-1
Sub-Slab Soil Vapor Screening Risk Evaluation
Latitude High School
Oakland, California

Location	Sample Date	2-butanone (MEK) (µg/m3)	Acetone (µg/m3)	Ethanol (µg/m3)	2-Hexanone (µg/m3)	2-Propanol (µg/m3)	4-Methyl-2-pentanone (µg/m3)	Carbon Disulfide (µg/m3)	Methylene Chloride (µg/m3)	Freon 11 (µg/m3)	Freon 12 (µg/m3)	1,4-Dioxane (µg/m3)	Bromomethane (µg/m3)
VP6	7/15/2019	< 4.0	**85**	**81**	< 2.4	**9.9**	**1.8**	**8.6**	< 1.7	**2.7**	**3**	< 2.3	**2.8**
	8/13/2019	< 3.8	**13 J**	**15**	< 2.5	< 2.0	< 2.3	**5.3 J**	< 3.2	**2.2 J**	**2.0 J**	< 2.9	< 3.5
	8/24/2019	< 6.9	**14 J**	**17**	< 4.4	< 2.0	< 1.8	**8.5 J**	< 2.7	**6.3 J**	**4.8 J**	< 3.7	< 11
	8/24/2019	< 6.6	**18 J**	**21**	< 4.2	< 1.9	< 1.8	**3.8 J**	< 2.6	**5.7 J**	**3.3 J**	< 3.6	< 11
	9/7/2019	< 3.6	**7.5 J**	< 3.0	< 2.2	< 1.6	< 0.98	**5.4 J**	< 1.6	**2.8 J**	**2.0 J**	< 2.1	< 2.4
	10/8/2020	< 14	**30 J**	< 22	< 19	**15**	< 4.8	< 14	< 40	< 6.5	< 5.7	< 17	< 45
	10/8/2020*	< 14	< 29 UJ	< 23	< 20	**14**	< 5.0	< 15	< 42	< 6.9	< 6.0	< 18	< 48
	2/12/2021	< 13	< 26	< 21	--	< 11	--	< 14	< 38	< 6.2	< 5.5	< 16	< 9.4
	2/12/2021*	< 13	< 26	< 21	--	< 11	--	< 14	< 38	< 6.2	< 5.4	< 16	< 9.4
Max Conc		0	85	81	0	15	1.8	8.6	0	2.7	3	0	2.8
CR	2.80E-06	--	--	--	--	--	--	--	0.00E+00	--	--	0.00E+00	--
HI	0.07	0.00	0.00	--	0.00	0.00	0.00	0.00	0.00	--	0.00	0.00	0.00
VP7	7/15/2019	7.3	**520**	**120**	< 2.2	**16**	**10**	**4.6**	**7.2**	**1.5**	**3.2**	**3.3**	< 2.4
	8/13/2019	< 3.2	**41**	**22**	< 2.1	**3.0 J**	< 1.9	**11 J**	< 2.7	**1.0 J**	**2.0 J**	< 2.4	< 2.9
	8/24/2019	< 7.2	**25 J**	**37**	< 4.6	**3.4 J**	< 1.9	**6.5 J**	**2.8 J**	**2.0 J**	**2.7 J**	< 3.9	< 12
	9/7/2019	< 3.7	**240**	**260**	< 2.2	**9.1 J**	**2.9 J**	**6.7 J**	**5.4 J**	**0.99 J**	**2.0 J**	**30**	< 2.4
	10/8/2020	< 13	**75**	**44**	< 18	**18**	< 4.6	< 14	< 39	< 6.3	< 5.5	< 16	< 43
	2/11/2021	< 13	**40**	< 21	--	< 11	--	< 14	< 38	< 6.2	< 5.5	< 16	< 9.4
Max Conc		7.3	520	260	0	18	10	4.6	7.2	1.5	3.2	30	0
CR	3.02E-06	--	--	--	--	--	--	--	1.76E-08	--	--	5.66E-07	--
HI	0.11	0.00	0.00	--	0.00	0.00	0.00	0.00	0.00	--	0.00	0.01	0.00
VP8	7/15/2019	7.1	**170**	**230**	< 2.2	**59**	**1.7**	**5.7**	< 1.5	**1.3**	**3.8**	< 2.1	< 2.4
	8/13/2019	< 3.0	**110**	**250**	< 2.4	**26**	< 1.8	**5.8 J**	< 2.6	**0.77 J**	**2.0 J**	< 2.3	< 2.8
	8/24/2019	< 6.8	**65**	**240**	< 4.4	**20**	< 1.8	**6.1 J**	< 2.7	**1.9 J**	**2.7 J**	< 3.7	< 11
	9/7/2019	< 4.1	**160**	**610**	< 2.5	**26**	< 1.1	**5.0 J**	< 1.8	**1.0 J**	**2.2 J**	< 2.4	< 2.8
	9/7/2019	< 4.2	**320**	**720**	< 2.5	**28**	< 1.1	**10 J**	< 1.8	**1.0 J**	**2.4 J**	< 2.4	< 2.8
	10/8/2020	< 14	< 28	< 23	< 20	**15**	< 4.9	< 15	< 42	< 6.7	< 5.9	< 17	< 47
	2/11/2021	< 13	< 26	< 21	--	< 11	--	< 14	< 38	< 6.2	< 5.4	< 16	< 9.3
Max Conc		7.1	320	720	0	59	1.7	5.7	0	1.3	3.8	0	0
CR	9.03E-07	--	--	--	--	--	--	--	0.00E+00	--	--	0.00E+00	--
HI	0.05	0.00	0.00	--	0.00	0.00	0.00	0.00	0.00	--	0.00	0.00	0.00
VP9	7/15/2019	22	**240**	**88**	**2.3**	**9.6**	**5.3**	**4.7**	< 1.6	**1.6**	**4**	**4.3**	< 2.5
	8/13/2019	11 J	**220**	**20**	< 2.2	**3.0 J**	< 2.0	< 2.3	< 2.9	**1.5 J**	**2.2 J**	< 2.6	< 3.2
	8/24/2019	< 2.9	**37**	**28**	< 4.7	< 3.6	< 1.8	**4.2 J**	< 3.6	< 2.1	**2.9 J**	< 9.0	< 3.5
	10/8/2020	28	**110**	**270**	< 18	**26**	< 4.4	< 13	< 37	< 6.0	< 5.3	< 15	< 42
	2/11/2021	< 14	< 27	< 22	--	< 11	--	< 14	< 40	< 6.5	< 5.7	< 16	< 9.8
Max Conc		28	240	270	2.3	26	5.3	4.7	0	1.6	4	4.3	0
CR	1.49E-05	--	--	--	--	--	--	--	0.00E+00	--	--	8.11E-08	--
HI	0.79	0.00	0.00	--	0.00	0.00	0.00	0.00	0.00	--	0.00	0.00	0.00
VP10	7/22/2019	**6.8**	**62**	**44**	< 2.5	**3.5**	**1.3**	**6**	< 1.8	**1.6**	**3.3**	< 2.4	< 2.7
	8/13/2019	< 3.4	**17 J**	**12**	< 2.2	< 1.8	< 2.0	**3.9 J**	< 2.9	**1.5 J**	**2.1 J**	< 2.6	< 3.2
	8/24/2019	< 2.8	**22 J**	**18**	< 4.6	< 3.5	< 1.8	**3.4 J**	< 3.6	< 2.1	< 2.2	< 9.0	< 3.5
	9/7/2019	< 3.8	**160**	**19**	< 2.3	< 1.6	< 1.0	**4.9 J**	< 1.6	**1.1 J**	**1.9 J**	< 2.2	< 2.5
	10/8/2020	< 14	< 28	< 22	< 19	< 11	< 4.8	< 14	< 40	< 6.5	< 5.7	< 17	< 45
	2/11/2021	< 13	< 26	< 21	--	< 11	--	< 14	< 38	< 6.2	< 5.5	< 16	< 9.4
Max Conc		6.8	160	44	0	3.5	1.3	6	0	1.6	3.3	0	0
CR	1.03E-06	--	--	--	--	--	--	--	0.00E+00	--	--	0.00E+00	--
HI	0.14	0.00	0.00	--	0.00	0.00	0.00	0.00	0.00	--	0.00	0.00	0.00
SFBRWQCB ESL	***C/I Cancer***	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**410**	**-**	**-**	**53**	**-**
	C/I Noncancer	**730000**	**4500000**	**-**	**4333**	**293333**	**440000**	**103333**	**58000**	**-**	**14667**	**4400**	**730**

Table B-2
Indoor Air Screening Risk Evaluation
Latitude High School
Oakland, California

Sample ID	Sample Date	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromoethane (EDB)	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	1,3-Butadiene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane	2,2,4-Trimethylpentane	2-Butanone (Methyl Ethyl Ketone)	2-Hexanone	2-Propanol	3-Chloropropene	4-Ethyltoluene	4-Methyl-2-pentanone	Acetone	alpha-Chlorotoluene	Benzene	Bromodichloromethane
IA1	7/23/2019	0.044 J	<0.014	<0.0047	<0.0096	<0.015	<0.70	0.81 J	<0.0089	<0.24	0.058 J	<0.054	0.42 J	<0.082	<0.25	0.16 J	<0.15	0.22 J	1.1 J	<0.55	0.74 J	<0.42	1.3	<0.13	8.2	<0.20	0.32	<0.096
IA2	7/16/2019	<0.020	<0.034	<0.031	<0.021	<0.018	<1.0	0.42 J	<0.11	<0.62	0.082 J	<0.16	<0.19	<0.15	<0.53	<0.12	0.33 J	<0.45	1.7 J	<0.27	2.9	<0.20	0.32 J	0.28 J	27	<0.38	0.24 J	<0.38
IA3	7/16/2019	<0.021	<0.036	<0.033	<0.022	<0.018	<1.1	0.46 J	<0.12	<0.66	0.091 J	<0.17	<0.20	<0.16	<0.56	<0.13	0.28 J	<0.48	2.6	<0.28	9.3	<0.21	0.39 J	0.34 J	39	<0.40	0.28	<0.40
IA4	7/16/2019	<0.024	<0.040	<0.037	<0.025	<0.021	<1.2	0.42 J	<0.13	<0.75	0.092 J	<0.19	<0.23	<0.18	<0.64	<0.15	0.18 J	<0.54	2.5 J	<0.32	4.8	<0.23	0.37 J	0.35 J	32	<0.45	0.27 J	<0.46
IA5	7/16/2019	<0.022	<0.038	<0.035	<0.023	<0.020	<1.1	0.40 J	<0.12	<0.70	0.088 J	<0.18	<0.22	<0.17	<0.60	<0.14	<0.10	<0.51	2.6	<0.30	5.0	<0.22	0.33 J	0.35 J	38	<0.42	0.28	<0.43
IA6	7/16/2019	<0.022	<0.037	<0.035	<0.023	<0.019	<1.1	0.44 J	<0.12	<0.69	0.098 J	<0.18	<0.21	<0.17	<0.59	<0.14	<0.10	<0.50	2.6	<0.30	6.9	<0.22	0.38 J	0.39 J	37	<0.42	0.30	<0.42
IA7	7/16/2019	<0.021	<0.035	<0.032	<0.022	<0.018	<1.0	0.41 J	<0.12	<0.65	0.093 J	<0.16	<0.20	<0.55	<0.096	<0.13	0.23 J	<0.47	2.7	<0.28	4.9	<0.20	0.35 J	0.38 J	51	<0.39	0.35	<0.40
IA8	7/30/2019	<0.099	<0.0063	<0.003	<0.14	<0.076	<0.09	0.70 J	<0.0023	<0.079	0.130 J	0.021	0.23 J	<0.048	<0.061	0.068	<0.0011	--	9.9	0.29 J	--	--	<0.035	1.90 J	33	--	0.18	<0.0028
IA9	7/30/2019	<0.099	<0.0063	<0.003	<0.14	<0.076	<0.09	0.74 J	<0.0023	<0.079	0.086 J	0.014	0.19 J	<0.048	<0.061	0.11	<0.0011	--	2.5 J	0.19 J	--	--	<0.035	0.33 J	30	--	0.15	<0.0028
CS1	7/16/2019	<0.22	<0.38	<0.36	<0.24	<0.20	<12	11	<1.3	<7.1	<0.28	<1.8	4.0 J	<1.7	<6.0	<1.4	<1.0	7.1 J	9.6 J	<3.0	4.1 J	<2.2	12	3.5 J	120	<4.3	4.1	<4.3
C/I ESL (C):		--	0.21	0.77	7.7	--	--	--	0.02	--	0.47	1.2	--	--	--	1.1	1.6	--	--	--	--	--	--	--	--	--	0.42	0.33
C/I ESL (NC):		4,400	--	0.88	--	310	8.8	--	3.5	880	31	18	--	--	--	3,500	130	--	22,000	--	--	--	--	--	140,000	--	13	--

Table B-2
Indoor Air Screening Risk Evaluation
Latitude High School
Oakland, California

Sample ID	Sample Date	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromoethane (EDB)	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	1,3-Butadiene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane	2,2,4-Trimethylpentane	2-Butanone (Methyl Ethyl Ketone)	2-Hexanone	2-Propanol	3-Chloropropene	4-Ethyltoluene	4-Methyl-2-pentanone	Acetone	alpha-Chlorotoluene	Benzene	Bromodichloromethane
Slab-on-Grade Buildings																												
Max Concentration		0.04 J	0.00 J	0.00 J	0.00 J	0.00 J	0.00 J	0.81 J	0.00 J	0.00 J	0.10 J	0.00 J	0.42 J	0.00 J	0.00 J	0.16 J	0.33 J	0.22 J	2.70 J	0.00 J	9.30 J	0.00 J	1.30 J	0.39 J	51.00 J	0.00 J	0.35 J	0.00 J
CR	4.79E-06	--	0.00E+00	0.00E+00	0.00E+00	--	--	--	0.00E+00	--	2.09E-07	0.00E+00	--	--	--	1.45E-07	2.06E-07	--	--	--	--	--	--	--	--	--	8.33E-07	0.00E+00
HI	9.59E-02	0.00001	--	0	--	0	0	--	0	0	0.00316	0	--	--	--	4.6E-05	0.00254	--	0.0001	--	--	--	--	--	0.0004	--	0.02692	--
Container Buildings																												
Max Concentration		0	0	0	0	0	0	0.74	0	0	0.13	0.021	0	0	0	0.11	0	0	9.9	0	0	0	0	1.9	33	0	0.18	0
CR	5.47E-06	--	0.00E+00	0.00E+00	0.00E+00	--	--	--	0.00E+00	--	2.77E-07	1.75E-08	--	--	--	1.00E-07	0.00E+00	--	--	--	--	--	--	--	--	--	4.29E-07	0.00E+00
HI	8.54E-02	0	--	0	--	0	0	--	0	0	0.00419	0.00117	--	--	--	3.1E-05	0	--	0.0005	--	--	--	--	--	0.0002	--	0.01385	--
Sub-Floor Sample																												
Max Concentration		<0.22	<0.38	<0.36	<0.24	<0.20	<12	11	<1.3	<7.1	<0.28	<1.8	4.0 J	<1.7	<6.0	<1.4	<1.0	7.1 J	9.6 J	<3.0	4.1 J	<2.2	12	3.5 J	120	<4.3	4.1	<4.3
CR	5.41E-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9.76E-06	--
HI	1.51E+01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0004	--	--	--	--	--	0.0009	--	0.31538	--

Table B-2
Indoor Air Screening Risk Evaluation
Latitude High School
Oakland, California

Sample ID	Sample Date	Bromoform	Bromomethane	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene	Cumene	Cyclohexane	Dibromochloromethane	Ethanol	Ethyl Benzene	Freon 11	Freon 113	Freon 114	Freon 12	Heptane	Hexachlorobutadiene	Hexane	m,p-Xylene	Methyl tert-butyl ether	Methylene Chloride	Naphthalene	o-Xylene	Propylbenzene	Styrene
IA1	7/23/2019	<0.16	<0.48	<0.20	0.50	<0.062	0.050 J	0.14 J	0.82 J	<0.016	<0.099	<0.19	<0.14	<0.13	18	0.18	1.4	0.46 J	0.10 J	2.4	<0.15	<1.1	<0.15	0.57	<0.018	0.48 J	0.19 J	0.24	0.30 J	<0.18
IA2	7/16/2019	<0.68	<1.3	<0.56	0.57	<0.19	0.12 J	0.17	1.4 J	<0.021	<0.12	<0.25	<0.19	<0.38	22	1.6	1.5	<0.78	0.12 J	2.4	0.39 J	<1.2	<0.34	5.6	<0.011	0.77 J	0.19 J	1.3	<0.22	1.0
IA3	7/16/2019	<0.72	<1.3	<0.59	0.57	<0.20	0.14 J	0.17	1.4 J	<0.022	<0.12	<0.27	<0.20	<0.41	29	0.63	1.3	<0.83	0.12 J	2.5	0.41 J	<1.3	<0.36	2.2	<0.012	0.79 J	0.20 J	0.69	<0.23	0.62 J
IA4	7/16/2019	<0.81	<1.5	<0.66	0.55	<0.23	0.070 J	0.16 J	1.4 J	<0.025	<0.14	<0.30	<0.23	<0.46	36	0.28	1.4	<0.94	0.12 J	2.5	0.43 J	<1.5	<0.41	0.90	<0.014	0.82 J	0.20 J	0.39	<0.26	1.0
IA5	7/16/2019	<0.76	<1.4	<0.62	0.53	<0.21	0.078 J	0.14 J	1.5 J	<0.023	<0.13	<0.29	<0.22	<0.43	35	0.25	1.3	<0.88	0.12 J	2.4	0.36 J	<1.4	<0.38	0.75	<0.013	0.76 J	0.19 J	0.34	<0.24	0.44 J
IA6	7/16/2019	<0.75	<1.4	<0.61	0.53	<0.21	0.067 J	0.15 J	1.4 J	<0.023	<0.13	<0.28	<0.21	<0.42	64	0.30	1.4	<0.87	0.13 J	2.5	0.56 J	<1.4	<0.38	0.88	<0.012	0.73 J	0.21 J	0.40	<0.24	0.44 J
IA7	7/16/2019	<0.70	<1.3	<0.58	0.56	<0.20	0.092 J	0.14 J	1.5 J	<0.021	<0.12	<0.26	<0.20	<0.40	55	0.31	1.4	<0.82	0.12 J	2.5	0.49 J	<1.3	<0.36	0.91	<0.012	0.80 J	0.22 J	0.41	<0.23	0.45 J
IA8	7/30/2019	<0.12	0.062 J	1.1	0.52	<0.024	<0.046	0.21 J	0.7 J	<0.04	<0.0014	--	1.1 J	<0.0035	--	0.96	--	0.54 J	--	--	2.20 J	<0.076	1 J	2.60	<0.084	0.57 J	0.59 J	1.10	--	1.40 J
IA9	7/30/2019	<0.12	<0.058	0.14 J	0.49	<0.024	<0.046	0.32 J	0.7 J	<0.04	<0.0014	--	0.63 J	0.0057 J	--	0.43 J	--	0.51 J	--	--	2.40 J	<0.076	0.62 J	1.10	<0.084	2.10 J	0.21 J	0.58	--	0.63 J
CS1	7/16/2019	<7.7	<14	15 J	<0.44	<2.2	<0.17	0.44 J	1.8 J	<0.23	<1.3	<2.9	3.0 J	<4.4	75	14	<1.7	<8.9	<0.31	2.4	10	<14	7.9 J	36	<0.13	<5.7	190	13	2.7 J	1.4 J
C/I ESL (C):		11	--	--	0.29	--	--	0.53	--	--	0.77	--	--	--	--	4.9	--	--	--	--	--	--	--	--	47	12	0.36	--	--	--
C/I ESL (NC):		--	22	--	180	220	44,000	430	390	35	88	--	--	--	--	4,400	--	--	--	--	--	--	--	440	13,000	1,800	13	440	--	3,900

Table B-2
Indoor Air Screening Risk Evaluation
Latitude High School
Oakland, California

Sample ID	Sample Date	Bromoform	Bromomethane	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene	Cumene	Cyclohexane	Dibromochloromethane	Ethanol	Ethyl Benzene	Freon 11	Freon 113	Freon 114	Freon 12	Heptane	Hexachlorobutadiene	Hexane	m,p-Xylene	Methyl tert-butyl ether	Methylene Chloride	Naphthalene	o-Xylene	Propylbenzene	Styrene
Slab-on-Grade Building																														
Max Concentration		0.00 J	0.00 J	0.00 J	0.57 J	0.00 J	0.14 J	0.17 J	1.50 J	0.00 J	0.00 J	0.00 J	0.00 J	0.00 J	64.00 J	1.60 J	1.50 J	0.46 J	0.13 J	2.60 J	0.56 J	0.00 J	0.00 J	5.60 J	0.00 J	0.82 J	0.22 J	1.30 J	0.30 J	1.00 J
CR	4.79E-06	0.00E+00	--	--	1.97E-06	--	--	3.21E-07	--	--	0.00E+00	--	--	--	--	3.27E-07	--	--	--	--	--	--	--	--	0.00E+00	6.83E-08	6.11E-07	--	--	--
HI	9.59E-02	--	0	--	0.00317	0	3E-06	0.0004	0.0038	0	0	--	--	--	--	0.00036	--	--	--	--	--	--	--	0.0127	0	0.00046	0.01692	0.003	--	0.0003
Container Buildings																														
Max Concentration		0	0	1.1	0.52	0	0	0.32	0.7	0	0	0	0	0	0	0.96	0	0	0	0	2.4	0	0	2.6	0	2.1	0.59	1.1	0	1.4
CR	5.47E-06	0.00E+00	--	--	1.79E-06	--	--	6.04E-07	--	--	0.00E+00	--	--	--	--	1.96E-07	--	--	--	--	--	--	--	--	0.00E+00	1.75E-07	1.64E-06	--	--	--
HI	8.54E-02	--	0	--	0.00289	0	0	0.00074	0.0018	0	0	--	--	--	--	0.00022	--	--	--	--	--	--	--	0.0059	0	0.00117	0.04538	0.0025	--	0.0004
Sub-Floor Sample																														
Max Concentration		<7.7	<14	15 J	<0.44	<2.2	<0.17	0.44 J	1.8 J	<0.23	<1.3	<2.9	3.0 J	<4.4	75	14	<1.7	<8.9	<0.31	2.4	10	<14	7.9 J	36	<0.13	<5.7	190	13	2.7 J	1.4 J
CR	5.41E-04	--	--	--	--	--	--	8.30E-07	--	--	--	--	--	--	--	2.86E-06	--	--	--	--	--	--	--	--	--	--	5.28E-04	--	--	--
HI	1.51E+01	--	--	--	--	--	--	0.00102	0.0046	--	--	--	--	--	--	0.00318	--	--	--	--	--	--	--	0.0818	--	--	14.6154	0.0295	--	0.0004

Table B-2
Indoor Air Screening Risk Evaluation
Latitude High School
Oakland, California

Sample ID	Sample Date	Tetrachloroethene	Tetrahydrofuran	Toluene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene	Vinyl Chloride
IA1	7/23/2019	0.033 J	<0.36	0.94	<0.011	<0.14	<0.019	<0.0066
IA2	7/16/2019	<0.057	1.2 J	1.7	<0.019	<0.25	0.17	<0.010
IA3	7/16/2019	0.089 J	1.9 J	2.3	<0.020	<0.27	0.054 J	<0.011
IA4	7/16/2019	0.086 J	2.9	1.6	<0.023	<0.30	<0.053	<0.012
IA5	7/16/2019	<0.064	2.8	1.5	<0.022	<0.28	<0.050	<0.011
IA6	7/16/2019	0.068 J	1.9 J	1.6	<0.021	<0.28	<0.049	<0.011
IA7	7/16/2019	0.075 J	2.0 J	1.8	<0.020	<0.26	<0.046	<0.010
IA8	7/30/2019	0.480 J	4.5 J	2.4	<0.028	<0.092	0.013 J	<0.0016
IA9	7/30/2019	0.085 J	<0.033	1.2	<0.028	<0.092	<0.0055	<0.0016
CS1	7/16/2019	<0.65	6.9 J	43	<0.22	<2.9	<0.51	<0.12
C/I ESL (C):		2.0	--	--	--	0.77	3.000	0.16
C/I ESL (NC):		180	--	1,300	350	88	8.8	440

Table B-2
Indoor Air Screening Risk Evaluation
Latitude High School
Oakland, California

Sample ID	Sample Date	Tetrachloroethene	Tetrahydrofuran	Toluene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene	Vinyl Chloride
Slab-on-Grade Building								
Max Concentration		0.089 J	2.90 J	2.40 J	0.00 J	0.00 J	0.17 J	0.00 J
CR	4.79E-06	4.45E-08	--	--	--	0.00E+00	5.67E-08	0.00E+00
HI	9.59E-02	0.00049	--	0.0018	0	0	0.01932	0
Container Buildings								
Max Concentration		0.48	4.5	2.4	0	0	0	0
CR	5.47E-06	2.40E-07	--	--	--	0.00E+00	0.00E+00	0.00E+00
HI	8.54E-02	0.00267	--	0.0018	0	0	0	0
Sub-Floor Sample								
Max Concentration		<0.65	6.9 J	43	<0.22	<2.9	<0.51	<0.12
CR	5.41E-04	--	--	--	--	--	--	--
HI	1.51E+01	--	--	0.0331	--	--	--	--

Appendix K

Vista Environmental Consulting

***Limited Pre-Renovation Hazardous Materials Survey for 1045 Derby Ave*., March 29, 2000**

VISTA ENVIRONMENTAL CONSULTING

SINCE 2007 A STELLAR PAST • A BRIGHTER FUTURE

March 29, 2020

Elvedin Pandzic
B-Bros Construction Inc.
2988 Teagarden St.
San Leandro, CA 94577
elvedinbbros@gmail.com

RE: Limited Pre-Renovation Hazardous Materials Survey
1045 Derby Ave, Oakland, CA 94601

Dear Mr. Pandzic,

Executive Summary

At the request of B-Bros Construction, Vista Environmental Consulting (Vista) performed a limited pre-renovation hazardous materials survey, collected bulk samples for the determination of asbestos content, and used an XRF direct read instrument for determination of lead content in building materials at 1045 Derby Ave., Oakland, CA 94601 (Project Site). The survey was performed on March 26, 2021 by Vista employee Kirk Nakamoto. Mr. Pandzic met Vista on-site to define the path of construction for the project.

The results of the survey indicate that the following hazardous materials may be in the path of construction areas:

Asbestos

Building A

- No asbestos was detected in the 9 samples collected and analyzed.

Building B

- No asbestos was detected in the 2 samples collected and analyzed.

Lead

Building A

ROOM	COMPONENT	SUBSTRATE	COLOR	CONDITION	Pb	UNITS
Outside (A-1 North)	Wall	Concrete	Tan	Intact	0.5	mg/cm^2
Hallway	Beam	Metal	Gray	Intact	0.13	mg/cm^2

Building B

- No lead was detected in the 4 XRF readings collected.

Methodology

Vista performed the limited hazardous materials survey on March 26, 2021. The survey was conducted by Kirk Nakamoto, a State of California Division of Occupational Safety and Health (Cal/OSHA) Certified Site Surveillance Technician (CSST) #19-6428, and a State of California Department of Public Health (CDPH) Lead Sampling Technician LRC-00000503. All work was conducted under the supervision of Christopher Burns, a Cal/OSHA Certified Asbestos Consultant (CAC) #92-0224 and a CDPH Lead Inspector/Assessor (LRCIA) #00006938.

Asbestos

The asbestos sampling was performed generally in accordance with the AHERA protocol (40 CFR Part 763, Subpart E). Visual identification was conducted by assessing visible and accessible structural, architectural, and mechanical components in the path of construction for the presence of suspect asbestos-containing material (ACM) at the Project Site. Each identified suspect ACM was sampled in accordance with procedures established by the United States Environmental Protection Agency (USEPA).

Quantities and locations are based upon areas that were accessed (interior of the building). Materials similar to those in this report or new suspect materials may be present in areas which were not accessed.

Suspect ACM samples were delivered under chain-of-custody protocol to SGS Forensic Laboratories (Forensic) in Hayward, California. SGS Forensic Laboratories is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP) and the California Environmental Laboratory Accreditation Program (Cal-ELAP). The samples were submitted for analysis by Polarized Light Microscopy (PLM) utilizing dispersion staining techniques in accordance with the EPA's "Method for the Determination of Asbestos in Bulk Building Materials" U.S. EPA/600/R-93/116, Visual Area Estimate, dated July 1993 and adopted by the NVLAP as Test Method Code 18/A01.

Lead

Vista's lead construction screening assessment used an X-Ray Fluorescence (XRF) direct read spectrum analyzer device to take readings of representative painted and coated surfaces for evaluation of lead levels for worker health and safety and preliminary waste characterization prior to construction activities. This survey followed the U.S. Department of Housing and Urban Development (HUD) Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing pursuant to Title X of the Housing and Community Development Act of 1992. These analytical data can be helpful in evaluation of lead-related

environmental risks in general, but cannot be used to calculate worker exposures, are not a substitute for employee exposure monitoring, and are not sufficient for waste stream profiling.

Results

Asbestos

The results of the bulk samples collected for asbestos, and analyzed by PLM, or assumed, indicate that detectable concentrations of asbestos ***are present*** in the following materials:

Building A

- No asbestos was detected in the 9 samples collected and analyzed.

Building B

- No asbestos was detected in the 2 samples collected and analyzed.

The results of the bulk samples collected for asbestos, and analyzed by PLM, indicate that detectable concentrations of asbestos ***are not detected*** in the following materials in the path of construction:

Building A

HOMOGENEOUS ID	MATERIAL	DESCRIPTION	# OF SAMPLES
A	Paint/Hardy Wall	Beige/Tan	2
B	Wallboard/Joint Compound	White/White	3
C	Roof	Gray/Black, Built-Up	2
D	Parapet	Gray/Black, Built-Up	2

Building B

HOMOGENEOUS ID	MATERIAL	DESCRIPTION	# OF SAMPLES
A	Paint/Hardy Wall	Dark Gray/Tan	2

Material and sample location maps, asbestos analytical results, and bulk sample forms/chain of custody documents can be found attached to this letter report.

Lead

For purposes of this survey, and in accordance with Title 8 CCR, Section 1532.1 (8 CCR 1532.1) and Title 17 of the California Code of Regulations, Section 35001 et. seq. the XRF or bulk paint chip sample results were interpreted as follows:

1. Lead-based paints (LBP) and Lead-based Materials (LBM) are present when samples revealed a lead concentration of ≥5,000 milligrams per kilogram (mg/kg) or parts per million (ppm), 0.5 wt%, or ≥1.0 milligrams per centimeter squared (mg/cm²) via XRF direct read instrument sampling.
2. Positive results (lead detected) were determined when bulk paint chip samples revealed a lead concentration of <5,000 mg/kg or 0.5 wt% down to the analytical detection limit of the analysis, or <1.0 milligrams per centimeter squared (mg/cm²) via XRF direct read instrument sampling down to the detection limit of the device.
3. "No lead detected" was determined when bulk paint chip samples did not reveal a lead concentration above the analytical detection limit of the laboratory or direct read instrument sampling device.

Please refer to the Conclusions/Recommendations section below for regulatory clarifications regarding lead in paints.

The bulk paint chip results for this survey indicated that the following building components and respective surface coatings had lead concentrations defining them as LBP, in accordance with Title 17 of the California Code of Regulations, Section 35001 et. seq.:

Building A

- None

Building B

- None

The bulk paint chip sample results for this survey indicate that the following building components and respective surface coatings had lead concentrations, in excess of the level for compliance with trigger activities, as defined in 8 CCR 1532.1:

Building A

ROOM	COMPONENT	SUBSTRATE	COLOR	CONDITION	Pb	UNITS
Outside (A-1 North)	Wall	Concrete	Tan	Intact	0.5	mg/cm^2
Hallway	Beam	Metal	Gray	Intact	0.13	mg/cm^2

Building B

- None

The XRF Lead Sequential Report can be found attached to this report.

Conclusions/Recommendations

Asbestos

The results of the survey indicate that asbestos-containing materials are **not present** in the anticipated path of construction at the Project Site.

Prior to activities which will disturb unidentified or assumed asbestos, a Cal/OSHA registered and California licensed asbestos contractor must be utilized for abatement of asbestos that will be impacted. Vista recommends that all abatement operations be conducted under the direction of a California Certified Asbestos Consultant.

Lead

The results of this survey indicate that lead-based and lead-containing paints and materials are **present** in the anticipated path of construction at the Project Site.

"OSHA does not consider any method that relies solely on the analysis of bulk materials or surface content of lead (or other toxic material) to be acceptable for safely predicting employee exposure to airborne contaminates. Without air monitoring results or without the benefit of historical or objective data (including air sampling which clearly demonstrates that the employee cannot be exposed above the action level during any process, operation, or activity) the analysis of bulk or surface samples cannot be used to determine employee exposure."- OSHA Standard Interpretation May 8, 2000.

OSHA states that these rules apply to "any detectable concentration of lead" without a specified detection level. Due to the Consumer Product Safety Commission currently allowing paint to contain up to 90 parts per million (ppm) or 0.009 wt% of lead, the variation of lead content due to aging and weathering, and the variation of detection limits associated with analysis of bulk materials, such as paint chips and surface content analysis via XRF, it is recommended that all painted or coated surfaces be treated as potentially containing lead. Positive analytical results by either method can be used to indicate that detectable lead is present but negative results cannot be interpreted as conclusively demonstrating the absence of lead.

Analytical data from analysis of bulk materials or surface content of lead can be helpful in evaluation of lead-related environmental risks in general but cannot be used to calculate worker exposures and are not a substitute for employee exposure monitoring. As a result of the above, any employee that works around potential lead-based or lead-containing coatings must have HAZCOM training and personal exposure air

monitoring is additionally required for employees that disturb such coatings. Significant additional certification, notification, and work practices are required for materials found to be lead-based.

All activities involving potential and identified lead-containing surfaces should be conducted in accordance with California Health & Safety Code sections 17920.10 and 10525, 10525.7, and 8, CCR 1532.1.

Any welding, cutting or heating of metal surfaces containing surface coatings should be conducted in accordance with 29 CFR 1926.354 and 8 CCR 1537. These regulations require surfaces covered with toxic preservatives, and in enclosed areas, be stripped of all toxic coatings for a distance of at least 4 inches, in all directions, from the area of heat application prior to the initiation of such heat application.

Waste stream segregation and analysis is required in accordance with 22 CCR Division 4.5, Minimum Standards for Management of Hazardous and Extremely Hazardous Wastes for all paint or coating debris regardless of if the paint or coating is intact. The resulting wastes may be hazardous under California and federal RCRA standards for lead and therefore require proper handling, packaging, labeling, and transportation under a proper manifest to a permitted hazardous waste storage, treatment and disposal facility.

Limitations and Exclusions

The survey performed was limited to accessible materials in the path of construction and the testing of representative areas as designated by the client. Destructive testing, demolition, or subsurface investigations were not included as part of this investigation, nor were areas outside of the path of construction areas for this project.

All quantities and locations cited in this report are order of magnitude estimates based on path of construction and should not be used for bidding purposes. All contractors are responsible for accurate determination of quantities and locations of materials identified in this report that will be impacted during the project at the Project Site.

If you have any questions concerning the information contained in this report, please contact me at (510) 346-8860.

Respectfully Submitted,
Vista Environmental Consulting

Christopher R. Burns
Senior Project Manager
CAC #92-0224
LRCIA LRC-00006938

Attachments

SGS FORENSIC LABORATORIES

Final Report

Bulk Asbestos Analysis

(EPA Method 40CFR, Part 763, Appendix E to Subpart E and EPA 600/R-93-116, Visual Area Estimation)
NVLAP Lab Code: 101459-0

Vista Environmental Consultants
Project Manager
2984 Teagarden St.

San Leandro, CA 94577

Client ID: L1161
Report Number: B315778
Date Received: 03/26/21
Date Analyzed: 03/29/21
Date Printed: 03/29/21
First Reported: 03/29/21

Job ID/Site: 210155001 - B-Bros Construction, 1045 Derby St., Oakland, CA Building A

SGSFL Job ID: L1161
Total Samples Submitted: 9
Total Samples Analyzed: 9

Date(s) Collected: 03/26/2021

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
A-A01	12403331						
Layer: Grey Semi-Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (20 %)							
A-A02	12403332						
Layer: Grey Semi-Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (20 %)							
A-B01	12403333						
Layer: White Drywall			**ND**				
Layer: White Joint Compound			**ND**				
Layer: White Tape			**ND**				
Layer: White Joint Compound			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (20 %) Fibrous Glass (10 %)							
A-B02	12403334						
Layer: White Drywall			**ND**				
Layer: Yellow Woven Material			**ND**				
Layer: White Joint Compound			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (20 %) Fibrous Glass (10 %)							
A-B03	12403335						
Layer: Beige Drywall			**ND**				
Layer: White Joint Compound			**ND**				
Layer: White Tape			**ND**				
Layer: White Joint Compound			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (20 %) Fibrous Glass (10 %)							

3777 Depot Road, Suite 409, Hayward, CA 94545 / Telephone: (510) 887-8828 (800) 827-FASI / Fax: (510) 887-4218

Report Number: B315778
Client Name: Vista Environmental Consultants **Date Printed:** 03/29/21

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
A-C01	12403336						
Layer: Black Semi-Fibrous Material			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (Trace) Fibrous Glass (10 %)							
A-C02	12403337						
Layer: Black Semi-Fibrous Material			**ND**				
Layer: White Non-Fibrous Material			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (Trace) Fibrous Glass (10 %)							
A-D01	12403338						
Layer: Black Semi-Fibrous Material			**ND**				
Layer: White Stones			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (Trace) Fibrous Glass (10 %)							
A-D02	12403339						
Layer: Black Semi-Fibrous Material			**ND**				
Layer: White Non-Fibrous Material			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (5 %) Fibrous Glass (15 %)							

Tad Thrower

Tad Thrower, Laboratory Supervisor, Hayward Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

Analytical results and reports are generated by SGS Forensic Laboratories (SGSFL) at the request of and for the exclusive use of the person or entity (client) named on such report. Results, reports or copies of same will not be released by SGSFL to any third party without prior written request from client. This report applies only to the sample(s) tested. Supporting laboratory documentation is available upon request. This report must not be reproduced except in full, unless approved by SGSFL. The client is solely responsible for the use and interpretation of test results and reports requested from SGSFL. SGSFL is not able to assess the degree of hazard resulting from materials analyzed. SGS Forensic Laboratories reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified. All samples were received in acceptable condition unless otherwise noted.

3777 Depot Road, Suite 409, Hayward, CA 94545 / Telephone: (510) 887-8828 (800) 827-FASI / Fax: (510) 887-4218

VISTA ENVIRONMENTAL CONSULTING

ASBESTOS BULK SAMPLE LOG

2984 TEAGARDEN STREET
SAN LEANDRO, CA 94577

OFFICE 510.346.8860
FAX 888.653.8889

CLIENT: B-Bros Construction DATE: 3/26/21

LOCATION: 1045 Derby St., Oakland, CA - Building A PROJECT NUMBER: 210155001

SAMPLED BY: KN CAC OR SST NO: 19-6429

BUILDING	HOMO AREA ID	NUMBER	MATERIAL	DESCRIPTION	LOCATION	QUANTITY (SF/LF/EA)
A	A	01	Paint/hardywall	beige/tan	A-1 - exterior	
A	A	02	↓	↓	A-3 - exterior	
A	B	01	WB/JC	white/white	room 5	
A	B	02	↓	↓	room 2	
A	B	03	↓	↓	corridor	
A	C	01	roof	gray/black	built-up, roof	
A	C	02	↓	↓	roof	
A	D	01	parapet	gray/black	built-up, roof	
A	D	02	↓	↓	roof	
	9	samples				

ANALYTICAL METHOD: PLM 400 PT COUNT TURNAROUND TIME: SAME DAY 24HR 48 HR 3 DAY

DATA SENT TO: Christopher Burns Via E-Mail: chrisburns@vista-env.com
Questions call: Office_510.346.8860 Cell_925.348.5361

SPECIAL INSTRUCTIONS:

CHAIN OF CUSTODY:

1. TRANSFER SIGNATURE — Kirk Nakamoto (PRINTED NAME) — 3/26/21 (DATE/TIME)

2. TRANSFER SIGNATURE — PRINTED NAME — DATE/TIME

3. TRANSFER SIGNATURE — PRINTED NAME — DATE/TIME

RECEIVED MAR 26 2021 By 1230

PAGE 1 OF 1

B-Bros Construction
1045 Derby Ave., Oakland - Building A
XRF Sequential Report

READING NO.	BUILDING	ROOM	SIDE	COMPONENT	SUBSTRATE	COLOR	CONDITION	RESULTS	PbC	UNITS
1				SHUTTER_CAL					2.13	cps
2				CALIBRATE				Positive	1.1	mg/cm^2
3				CALIBRATE				Positive	1.1	mg/cm^2
4				CALIBRATE				Positive	1	mg/cm^2
6	A-3	OUTSIDE	C	WALL	HARDY WALL	BEIGE	INTACT	Negative	0	mg/cm^2
8	A-3	OUTSIDE	C	WALL	CONCRETE	TAN	INTACT	Negative	0	mg/cm^2
9	A-1	OUTSIDE	C	WALL	CONCRETE	TAN	INTACT	Negative	0	mg/cm^2
10	A-1	OUTSIDE	C	WALL	HARDY WALL	BEIGE	INTACT	Negative	0	mg/cm^2
11	A-1	OUTSIDE	D	WALL	HARDY WALL	BEIGE	INTACT	Negative	0	mg/cm^2
13	A-1	OUTSIDE	D	WALL	CONCRETE	TAN	INTACT	Negative	0	mg/cm^2
15	A-1	OUTSIDE	A	WALL	CONCRETE	TAN	INTACT	Negative	0.5	mg/cm^2
16	A-1	OUTSIDE	A	WALL	HARDY WALL	BEIGE	INTACT	Negative	0	mg/cm^2
17	A-3	OUTSIDE	A	WALL	HARDY WALL	BEIGE	INTACT	Negative	0	mg/cm^2
18	A-3	OUTSIDE	A	TRIM	WOOD	TAN	INTACT	Negative	0	mg/cm^2
19	A-3	OUTSIDE	A	WALL	CONCRETE	TAN	INTACT	Negative	-0.4	mg/cm^2
24	A-3	OUTSIDE	B	WALL	HARDY WALL	BEIGE	INTACT	Negative	0	mg/cm^2
25	A	ROOM 5		WALL	DRYWALL	BEIGE	INTACT	Negative	0	mg/cm^2
26	A	ROOM 5		WINDOW FRAME	WOOD	GRAY	INTACT	Negative	0	mg/cm^2
27	A	ROOM 5		BOARD	WOOD	BEIGE	INTACT	Negative	0	mg/cm^2
28	A	ROOM 2		WALL	DRYWALL	BEIGE	INTACT	Negative	0	mg/cm^2
29	A	ROOM 2		BEAM	METAL	GRAY	INTACT	Negative	-0.19	mg/cm^2
30	A	HALLWAY		DOOR FRAME	WOOD	GRAY	INTACT	Negative	0	mg/cm^2
31	A	HALLWAY		BEAM	METAL	GRAY	INTACT	Negative	0.13	mg/cm^2
32	A	HALLWAY		WALL	DRYWALL	BEIGE	INTACT	Negative	0	mg/cm^2
33	A	HALLWAY		DOOR FRAME	METAL	GRAY	INTACT	Negative	0	mg/cm^2

This data is a screening of lead levels and provides results that are generally representative of typical conditions, but are not inclusive of all painted/coated surfaces at the Project Site.

VISTA ENVIRONMENTAL CONSULTING

B-Bros Construction
1045 Derby Ave., Oakland - Building A
XRF Sequential Report

READING NO.	BUILDING	ROOM	SIDE	COMPONENT	SUBSTRATE	COLOR	CONDITION	RESULTS	PbC	UNITS
34	A	HALLWAY		DOOR	METAL	GRAY	INTACT	Negative	0	mg/cm^2
35	A	HALLWAY		DOOR	WOOD	GRAY	INTACT	Negative	0	mg/cm^2
36				CALIBRATE				Positive	1	mg/cm^2
37				CALIBRATE				Positive	1.1	mg/cm^2
38				CALIBRATE				Positive	1.1	mg/cm^2

This data is a screening of lead levels and provides results that are generally representative of typical conditions, but are not inclusive of all painted/coated surfaces at the Project Site.

VISTA ENVIRONMENTAL CONSULTING

SGS FORENSIC LABORATORIES

Final Report

Bulk Asbestos Analysis

(EPA Method 40CFR, Part 763, Appendix E to Subpart E and EPA 600/R-93-116, Visual Area Estimation)
NVLAP Lab Code: 101459-0

Vista Environmental Consultants
Project Manager
2984 Teagarden St.

San Leandro, CA 94577

Client ID: L1161
Report Number: B315765
Date Received: 03/26/21
Date Analyzed: 03/29/21
Date Printed: 03/29/21
First Reported: 03/29/21

Job ID/Site: 210155001 - B-Bros Construction, 1045 Derby St., Oakland, CA - Bldg. B

SGSFL Job ID: L1161
Total Samples Submitted: 2
Total Samples Analyzed: 2

Date(s) Collected: 03/26/2021

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
B-A-01	12403194						
Layer: Grey Semi-Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (20 %)		**Asbestos (ND)**					
B-A-02	12403195						
Layer: Grey Semi-Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (20 %)		**Asbestos (ND)**					

Tad Thrower, Laboratory Supervisor, Hayward Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

Analytical results and reports are generated by SGS Forensic Laboratories (SGSFL) at the request of and for the exclusive use of the person or entity (client) named on such report. Results, reports or copies of same will not be released by SGSFL to any third party without prior written request from client. This report applies only to the sample(s) tested. Supporting laboratory documentation is available upon request. This report must not be reproduced except in full, unless approved by SGSFL. The client is solely responsible for the use and interpretation of test results and reports requested from SGSFL. SGSFL is not able to assess the degree of hazard resulting from materials analyzed. SGS Forensic Laboratories reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified. All samples were received in acceptable condition unless otherwise noted.

3777 Depot Road, Suite 409, Hayward, CA 94545 / Telephone: (510) 887-8828 (800) 827-FASI / Fax: (510) 887-4218

VISTA ENVIRONMENTAL CONSULTING

ASBESTOS BULK SAMPLE LOG

2984 TEAGARDEN STREET
SAN LEANDRO, CA 94577

OFFICE 510.346.8860
FAX 888.653.8889

CLIENT: B-Bros Construction DATE: 3/26/21

LOCATION: 1045 Derby St., Oakland, CA - Building B PROJECT NUMBER: 210155001

SAMPLED BY: KN CAC OR SST NO: 19-6428

BUILDING	HOMO AREA ID	NUMBER	MATERIAL	DESCRIPTION	LOCATION	QUANTITY (SF/LF/EA)
B	A	01	paint/hardywall	dark gray/tan, exterior		
B	A	02	↓	↓	exterior	

2 Samples

ANALYTICAL METHOD: PLM ~~400 PT COUNT~~ TURNAROUND TIME: SAME DAY 24HR 48 HR 3 DAY

DATA SENT TO: Christopher Burns Via E-Mail: chrisburns@vista-env.com
Questions call: Office_510.346.8860 Cell_925.348.5361

SPECIAL INSTRUCTIONS:

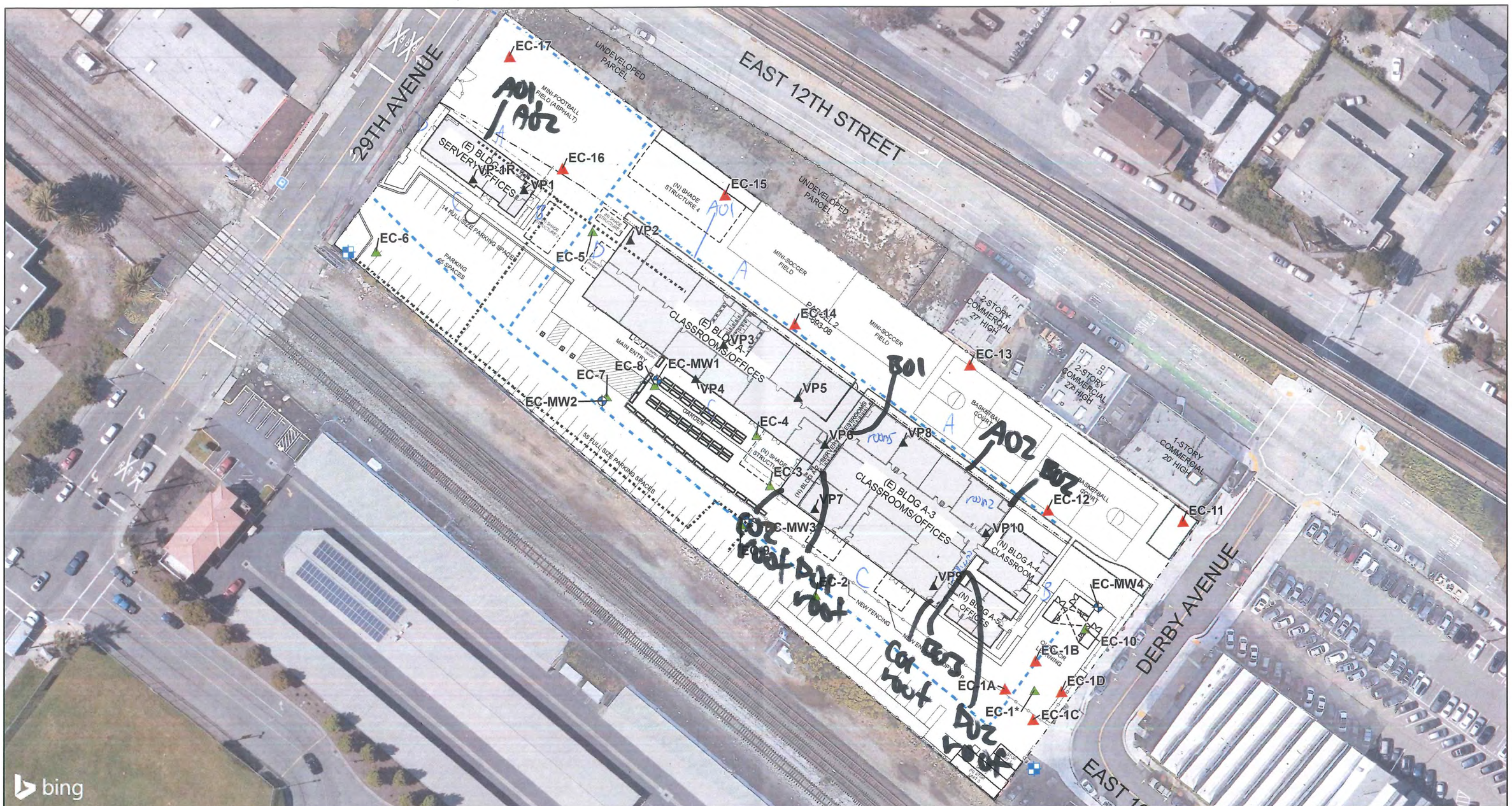
CHAIN OF CUSTODY:

1. [signature] TRANSFER SIGNATURE — Kirk Nakamoto PRINTED NAME — 3/26/21 DATE/TIME
2. [signature] TRANSFER SIGNATURE — Claudia M PRINTED NAME — RECEIVED MAR 26 REC'D — D/O 1230pm DATE/TIME
3. TRANSFER SIGNATURE — PRINTED NAME — DATE/TIME

PAGE 1 OF 1

B-Bros Construction
1045 Derby Ave., Oakland - Building B
XRF Sequential Report

READING NO.	BUILDING	ROOM	SIDE	COMPONENT	SUBSTRATE	COLOR	CONDITION	RESULTS	PbC	UNITS
1				SHUTTER_CAL					2.13	cps
2				CALIBRATE				Positive	1.1	mg/cm^2
3				CALIBRATE				Positive	1.1	mg/cm^2
4				CALIBRATE				Positive	1	mg/cm^2
20	B	OUTSIDE	A	WALL	HARDY WALL	GRAY, DARK	INTACT	Negative	0	mg/cm^2
21	B	OUTSIDE	B	WALL	HARDY WALL	GRAY, DARK	INTACT	Negative	0	mg/cm^2
22	B	OUTSIDE	C	WALL	HARDY WALL	GRAY, DARK	INTACT	Negative	0	mg/cm^2
23	B	OUTSIDE	D	WALL	HARDY WALL	GRAY, DARK	INTACT	Negative	0	mg/cm^2
36				CALIBRATE				Positive	1	mg/cm^2
37				CALIBRATE				Positive	1.1	mg/cm^2
38				CALIBRATE				Positive	1.1	mg/cm^2



Legend

- Soil Vapor Probe
- Monitoring Well
- Sub-Slab Vapor Probes
- Proposed Soil Vapor Probe Location
- Drain
- Existing/Proposed Storm Drain Layout in Site Master Plan
- Sewer Line

Notes:
* Groundwater Grab to be collected adjacent to EC-1

© 2021 Microsoft Corporation © 2021 Maxar
©CNES (2021) Distribution Airbus DS

N

0 65 Feet

Proposed Soil Vapor Probe Locations with Proposed Site Layout

Latitude High School,
1112 29th Avenue & 1045 Derby Avenue,
Oakland, California

Geosyntec consultants

Santa Barbara | March 2021

Figure 1

P:\GIS\SB1027 Education For Change\Projects\Fig01_Proposed_SVP_Locs_Proposed_Site.mxd 3/5/2021 9:27:19 AM

Appendix L

Illingworth & Rodkin, Inc.

***Education for Change Derby Charter High School Noise and Vibration Assessment*, March 16, 2021**

EDUCATION FOR CHANGE DERBY CHARTER HIGH SCHOOL NOISE AND VIBRATION ASSESSMENT

Oakland, California

March 16, 2021

Prepared for:

Scott Gregory
Lamphier-Gregory
1944 Embarcadero
Oakland, CA 94606

Prepared by:

Michael S. Thill

ILLINGWORTH & RODKIN, INC.
Acoustics • Air Quality

429 East Cotati Avenue
Cotati, CA 94931
(707) 794-0400

Project:20-184

INTRODUCTION

This report assesses potential noise and vibration impacts resulting from the construction and operation of the Education for Change (EFC) Derby Charter High School proposed in Oakland, California. The Project applicant is proposing to redevelop the Project site in two phases and seeks land use entitlements to allow for the operation of a grade 9 through 12 charter high school on the Project site.

This report evaluates the project's potential to result in significant impacts with respect to applicable California Environmental Quality Act (CEQA) guidelines. The report is divided into two sections: 1) the Setting Section provides a brief description of the fundamentals of environmental noise and groundborne vibration, summarizes applicable regulatory criteria, and discusses the ambient noise environment in the project vicinity and, 2) the Impacts and Mitigation Measures Section describes the significance criteria used to evaluate project impacts, provides a discussion of each project impact, and presents mitigation measures, where necessary, to mitigate the identified impacts to a less-than-significant level.

SETTING

Fundamentals of Environmental Noise

Noise may be defined as unwanted sound. Noise is usually objectionable because it is disturbing or annoying. The objectionable nature of sound could be caused by its *pitch* or its *loudness*. *Pitch* is the height or depth of a tone or sound, depending on the relative rapidity (*frequency*) of the vibrations by which it is produced. Higher pitched signals sound louder to humans than sounds with a lower pitch. *Loudness* is intensity of sound waves combined with the reception characteristics of the ear. Intensity may be compared with the height of an ocean wave in that it is a measure of the amplitude of the sound wave.

In addition to the concepts of pitch and loudness, there are several noise measurement scales which are used to describe noise in a particular location. A *decibel (dB)* is a unit of measurement which indicates the relative amplitude of a sound. The zero on the decibel scale is based on the lowest sound level that the healthy, unimpaired human ear can detect. Sound levels in decibels are calculated on a logarithmic basis. An increase of 10 decibels represents a ten-fold increase in acoustic energy, while 20 decibels is 100 times more intense, 30 decibels is 1,000 times more intense, etc. There is a relationship between the subjective noisiness or loudness of a sound and its intensity. Each 10 decibel increase in sound level is perceived as approximately a doubling of loudness over a fairly wide range of intensities. Technical terms are defined in Table 1.

There are several methods of characterizing sound. The most common in California is the *A-weighted sound level (dBA)*. This scale gives greater weight to the frequencies of sound to which the human ear is most sensitive. Representative outdoor and indoor noise levels in units of dBA are shown in Table 2. Because sound levels can vary markedly over a short period of time, a method for describing either the average character of the sound or the statistical behavior of the variations must be utilized. Most commonly, environmental sounds are described in terms of an average level that has the same acoustical energy as the summation of all the time-varying events.

This *energy-equivalent sound/noise descriptor* is called L_{eq}. The most common averaging period is hourly, but L_{eq} can describe any series of noise events of arbitrary duration.

The scientific instrument used to measure noise is the sound level meter. Sound level meters can accurately measure environmental noise levels to within about plus or minus 1 dBA. Various computer models are used to predict environmental noise levels from sources, such as roadways and airports. The accuracy of the predicted models depends upon the distance the receptor is from the noise source. Close to the noise source, the models are accurate to within about plus or minus 1 to 2 dBA.

Since the sensitivity to noise increases during the evening and at night -- because excessive noise interferes with the ability to sleep -- 24-hour descriptors have been developed that incorporate artificial noise penalties added to quiet-time noise events. The *Community Noise Equivalent Level* (*CNEL*) is a measure of the cumulative noise exposure in a community, with a 5 dB penalty added to evening (7:00 pm - 10:00 pm) and a 10 dB addition to nocturnal (10:00 pm - 7:00 am) noise levels. The *Day/Night Average Sound Level* (*DNL* or L_{dn}) is essentially the same as CNEL, with the exception that the evening time period is dropped and all occurrences during this three-hour period are grouped into the daytime period.

TABLE 1 Definition of Acoustical Terms Used in this Report

Term	Definition
Decibel, dB	A unit describing, the amplitude of sound, equal to 20 times the logarithm to the base 10 of the ratio of the pressure of the sound measured to the reference pressure. The reference pressure for air is 20 micro Pascals.
Sound Pressure Level	Sound pressure is the sound force per unit area, usually expressed in micro Pascals (or 20 micro Newtons per square meter), where 1 Pascal is the pressure resulting from a force of 1 Newton exerted over an area of 1 square meter. The sound pressure level is expressed in decibels as 20 times the logarithm to the base 10 of the ratio between the pressures exerted by the sound to a reference sound pressure (e. g., 20 micro Pascals). Sound pressure level is the quantity that is directly measured by a sound level meter.
Frequency, Hz	The number of complete pressure fluctuations per second above and below atmospheric pressure. Normal human hearing is between 20 Hz and 20,000 Hz. Infrasonic sound are below 20 Hz and Ultrasonic sounds are above 20,000 Hz.
A-Weighted Sound Level, dBA	The sound pressure level in decibels as measured on a sound level meter using the A-weighting filter network. The A-weighting filter de-emphasizes the very low and very high frequency components of the sound in a manner similar to the frequency response of the human ear and correlates well with subjective reactions to noise.
Equivalent Noise Level, L_{eq}	The average A-weighted noise level during the measurement period.
L_{max}, L_{min}	The maximum and minimum A-weighted noise level during the measurement period.
L_{01}, L_{10}, L_{50}, L_{90}	The A-weighted noise levels that are exceeded 1%, 10%, 50%, and 90% of the time during the measurement period.
Day/Night Noise Level, L_{dn} or DNL	The average A-weighted noise level during a 24-hour day, obtained after addition of 10 decibels to levels measured in the night between 10:00 pm and 7:00 am.
Community Noise Equivalent Level, CNEL	The average A-weighted noise level during a 24-hour day, obtained after addition of 5 decibels in the evening from 7:00 pm to 10:00 pm and after addition of 10 decibels to sound levels measured in the night between 10:00 pm and 7:00 am.
Ambient Noise Level	The composite of noise from all sources near and far. The normal or existing level of environmental noise at a given location.
Intrusive	That noise which intrudes over and above the existing ambient noise at a given location. The relative intrusiveness of a sound depends upon its amplitude, duration, frequency, and time of occurrence and tonal or informational content as well as the prevailing ambient noise level.

Source: Handbook of Acoustical Measurements and Noise Control, Harris, 1998.

TABLE 2 Typical Noise Levels in the Environment

Common Outdoor Activities	Noise Level (dBA)	Common Indoor Activities
	110 dBA	Rock band
Jet fly-over at 1,000 feet		
	100 dBA	
Gas lawn mower at 3 feet		
	90 dBA	
Diesel truck at 50 feet at 50 mph		Food blender at 3 feet
	80 dBA	Garbage disposal at 3 feet
Noisy urban area, daytime		
Gas lawn mower, 100 feet	70 dBA	Vacuum cleaner at 10 feet
Commercial area		Normal speech at 3 feet
Heavy traffic at 300 feet	60 dBA	
		Large business office
Quiet urban daytime	50 dBA	Dishwasher in next room
Quiet urban nighttime	40 dBA	Theater, large conference room
Quiet suburban nighttime		
	30 dBA	Library
Quiet rural nighttime		Bedroom at night, concert hall (background)
	20 dBA	
		Broadcast/recording studio
	10 dBA	
	0 dBA	

Source: Technical Noise Supplement (TeNS), California Department of Transportation, September 2013.

Fundamentals of Groundborne Vibration

Ground vibration consists of rapidly fluctuating motions or waves with an average motion of zero. Several different methods are typically used to quantify vibration amplitude. One method is the Peak Particle Velocity (PPV). The PPV is defined as the maximum instantaneous positive or negative peak of the vibration wave. In this report, a PPV descriptor with units of mm/sec or in/sec is used to evaluate construction generated vibration for building damage and human complaints. Table 3 displays the reactions of people and the effects on buildings that continuous or frequent intermittent vibration levels produce. The guidelines in Table 3 represent syntheses of vibration criteria for human response and potential damage to buildings resulting from construction vibration.

Construction activities can cause vibration that varies in intensity depending on several factors. The use of pile driving and vibratory compaction equipment typically generates the highest construction related groundborne vibration levels. Because of the impulsive nature of such activities, the use of the PPV descriptor has been routinely used to measure and assess groundborne vibration and almost exclusively to assess the potential of vibration to cause damage and the degree of annoyance for humans.

The two primary concerns with construction-induced vibration, the potential to damage a structure and the potential to interfere with the enjoyment of life, are evaluated against different vibration limits. Human perception to vibration varies with the individual and is a function of physical setting and the type of vibration. Persons exposed to elevated ambient vibration levels, such as people in an urban environment, may tolerate a higher vibration level.

Structural damage can be classified as cosmetic only, such as paint flaking or minimal extension of cracks in building surfaces; minor, including limited surface cracking; or major, that may threaten the structural integrity of the building. Safe vibration limits that can be applied to assess the potential for damaging a structure vary by researcher. The damage criteria presented in Table 3 include several categories for ancient, fragile, and historic structures, the types of structures most at risk to damage. Most buildings are included within the categories ranging from “Historic and some old buildings” to “Modern industrial/commercial buildings”. Construction-induced vibration that can be detrimental to the building is very rare and has only been observed in instances where the structure is at a high state of disrepair and the construction activity occurs immediately adjacent to the structure.

The annoyance levels shown in Table 3 should be interpreted with care since vibration may be found to be annoying at lower levels than those shown, depending on the level of activity or the sensitivity of the individual. To sensitive individuals, vibrations approaching the threshold of perception can be annoying. Low-level vibrations frequently cause irritating secondary vibration, such as a slight rattling of windows, doors, or stacked dishes. The rattling sound can give rise to exaggerated vibration complaints, even though there is very little risk of actual structural damage.

TABLE 3 Reaction of People and Damage to Buildings from Continuous or Frequent Intermittent Vibration Levels

Velocity Level, PPV (in/sec)	Human Reaction	Effect on Buildings
0.01	Barely perceptible	No effect
0.04	Distinctly perceptible	Vibration unlikely to cause damage of any type to any structure
0.08	Distinctly perceptible to strongly perceptible	Recommended upper level of the vibration to which ruins and ancient monuments should be subjected
0.1	Strongly perceptible	Threshold at which there is a risk of damage to fragile buildings with no risk of damage to most buildings
0.25	Strongly perceptible to severe	Threshold at which there is a risk of damage to historic and some old buildings.
0.3	Strongly perceptible to severe	Threshold at which there is a risk of damage to older residential structures
0.5	Severe - Vibrations considered unpleasant	Threshold at which there is a risk of damage to new residential and modern commercial/industrial structures

Source: Transportation and Construction Vibration Guidance Manual, California Department of Transportation, September 2013.

Regulatory Background – Noise

Noise-related regulations, plans, and policies established by the State of California and the City of Oakland are applicable in this assessment of the proposed project. These planning documents are implemented during the environmental review process to limit noise exposure at existing and proposed noise-sensitive land uses.

State CEQA Guidelines. The California Environmental Quality Act (CEQA) contains guidelines to evaluate the significance of effects of environmental noise attributable to a proposed project. Under CEQA, noise impacts would be considered significant if the project would result in:

(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;

(b) Generation of excessive groundborne vibration or groundborne noise levels;

(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, if the project would expose people residing or working in the project area to excessive noise levels.

City of Oakland Planning Code. The noise performance standards of the Oakland Planning Code set out to control operational and construction noise levels. These policies were further clarified in the City of Oakland CEQA Thresholds of Significance Guidelines, dated October 17, 2016. The following policies are applicable to the project:

Section 17.120.050 G, Temporary Construction and Demolition Noise: Table Oakland-1, below, specifies the maximum noise level allowable at receiving uses during short- and long-term construction or demolition projects. The City allows for an exemption if an acoustical analysis is performed that identifies recommend measures to reduce potential impacts.[1]

TABLE Oakland-1
City of Oakland Construction Noise Standards
at Receiving Property Line, dBA[1]

Receiving Land Use	**Maximum Allowable Noise Level (dBA)**	
	Weekdays 7 a.m.-7 p.m.	**Weekends 9 a.m.-8 p.m.**
Less than 10 days		
Residential	80	65
Commercial, Industrial	85	70
More than 10 Days		
Residential	65	55
Commercial, Industrial	70	60

Notes: 1) If the ambient noise level exceeds these standards, the standard shall be adjusted to equal the ambient noise level.

Section 8.18.020, Persistent Noises a Nuisance: The persistent maintenance or emission of any noise or sound produced by human, animal or mechanical means, between the hours of nine p.m. and seven a.m., which, by reason of its raucous or nerve-racking nature, shall disturb the peace or comfort, or be injurious to the health of any person shall constitute a nuisance.

Failure to comply with the following provisions shall constitute a nuisance.

A. All construction equipment powered by internal combustion engines shall be properly muffled and maintained.

B. Unnecessary idling of internal combustion engines is prohibited.

C. All stationary noise-generating construction equipment such as tree grinders and air compressors are to be located as far as is practical from existing residences.

[1] The acoustical analysis must identify, at a minimum, (a) the types of construction equipment expected to be used and the noise levels typically associated with the construction equipment and (b) the surrounding land uses including any sensitive land uses (e.g., schools and childcare facilities, health care and nursing homes, public open space). If sensitive land uses are present, the acoustical analysis must recommend measures to reduce potential impacts.

D. Quiet construction equipment, particularly air compressors, are to be selected whenever possible.

E. Use of pile drivers and jack hammers shall be prohibited on Sundays and holidays, except for emergencies and as approved in advance by the Building Official.

Section 17.120.050 A-F, Operational Noise: Table Oakland-2, below, specifies the maximum noise level allowable at receiving uses during new project operations.

TABLE Oakland-2
City of Oakland Operational Noise Standards
at Receiving Property Line, dBA[1]

Receiving Land Use	Cumulative No. of Minutes in 1-Hr Period[2]	Maximum Allowable Noise Level (dBA)	
		Daytime 7 a.m.-10 p.m.	Nighttime 10 p.m.-7 a.m.
Residential and Civic[3]	20 (L_{33})	60	45
	10 ($L_{16.7}$)	65	50
	5 ($L_{8.3}$)	70	55
	1 ($L_{1.7}$)	75	60
	0 (L_{max})	80	65
		Anytime	
Commercial	20 (L_{33})	65	
	10 ($L_{16.7}$)	70	
	5 ($L_{8.3}$)	75	
	1 ($L_{1.7}$)	80	
	0 (L_{max})	85	
Manufacturing, Mining, and Quarrying	20 (L_{33})	70	
	10 ($L_{16.7}$)	75	
	5 ($L_{8.3}$)	80	
	1 ($L_{1.7}$)	85	
	0 (L_{max})	90	

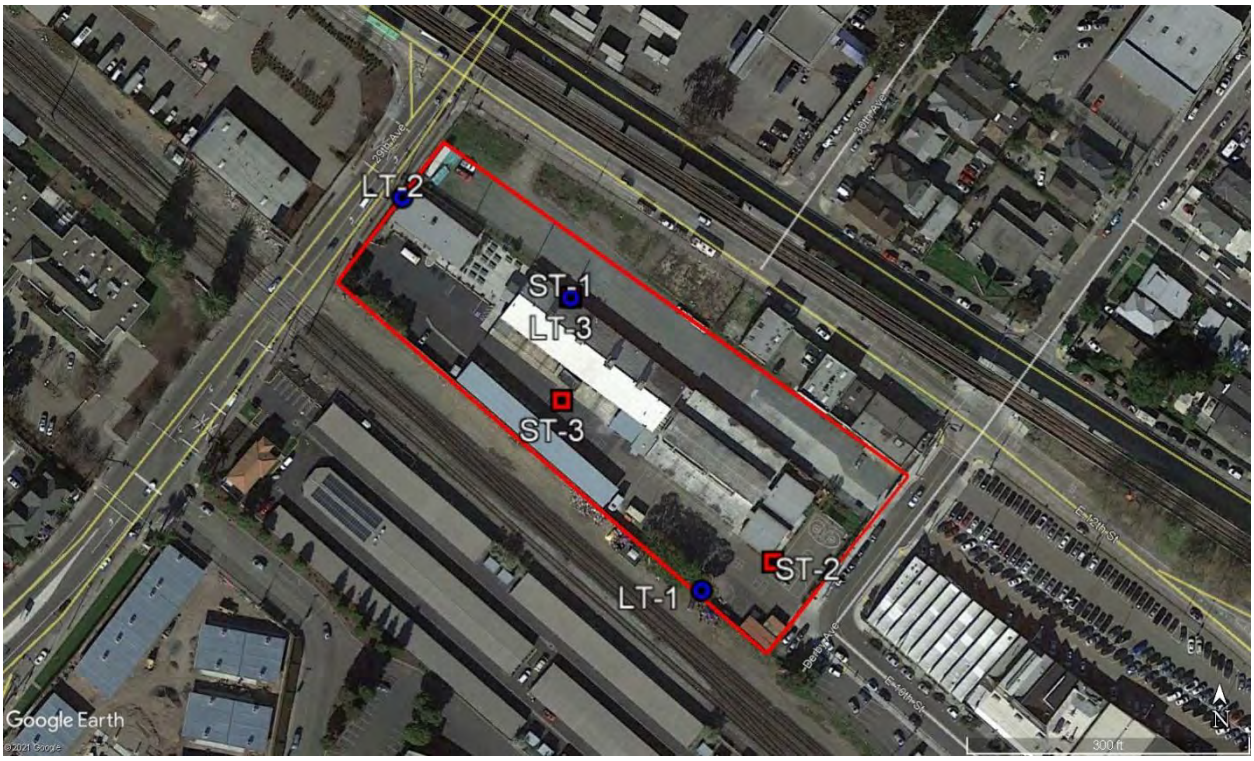
Notes:
1) These standards are reduced 5 dBA for simple tone noise, noise consisting primarily of speech or music, or recurring impact noise. If the ambient noise level exceeds these standards, the standard shall be adjusted to equal the ambient noise level.
2) L_x represents the noise level that is exceeded X percent of a given period. L_{max} is the maximum instantaneous noise level.
3) Legal residences, schools and childcare facilities, health care or nursing home, public open space, or similarly sensitive land uses.

Existing Noise Environment

The project site is at 1045 Derby Avenue in Oakland, California, and is bound by Derby Avenue to the southeast, Union Pacific Railroad (UPRR) tracks to the southwest, 29th Avenue to the northwest, and vacant land and unoccupied buildings to the northeast. E. 12th Street and Bay Area Rapid Transit (BART) tracks run parallel to the northeastern property line, across from the vacant land and unoccupied buildings.

A noise monitoring survey was performed to quantify and characterize ambient noise levels at the site between Wednesday, February 3, 2021 and Friday, February 5, 2021. The monitoring survey included three long-term noise measurements (LT-1, LT-2, and LT-3) and three short-term noise measurements (ST-1, ST-2, and ST-3), as shown in Figure 1. The noise environment at the site results primarily from BART, trains along UPRR tracks, and local traffic. Secondary noise sources include distant traffic along Interstate 880 (I-880), overhead aircraft, and neighboring commercial and industrial land uses.

FIGURE 1 Site Aerial and Noise Measurement Locations



Long-term noise measurement LT-1 was made near the southern corner of the project site, approximately 50 feet from the centerline of the nearest UPRR tracks. Hourly average noise levels typically ranged from 62 to 80 dBA L_{eq} during daytime hours, and from 52 to 79 dBA L_{eq} during nighttime hours. The day-night average noise level on Thursday, February 4, 2021 was 86 dBA L_{dn}.

Long-term noise measurement LT-2 was made near the northern corner of the project site, approximately 35 feet from the centerline of 29th Avenue and 175 feet from the centerline of E.

12th Street and BART tracks. Hourly average noise levels typically ranged from 70 to 76 dBA L_{eq} during the day, and from 60 to 78 dBA L_{eq} at night. The day-night average noise level on Thursday, February 4, 2021 was 84 dBA L_{dn}.

Long-term noise measurement LT-3 was made along the northeast façade of Building A-1, approximately 165 feet from the centerline of E. 12th Street and BART tracks. Hourly average noise levels typically ranged from 70 to 75 dBA L_{eq} during the day, and from 57 to 73 dBA L_{eq} at night. The day-night average noise level on Thursday, February 4, 2021 was 78 dBA L_{dn}. The daily trends in noise levels at all long-term locations are shown in Appendix A.

Short-term noise measurements were made over periods of 10-minutes, concurrent with the long-term noise data, on Wednesday, February 3, 2021 and Friday, February 5, 2021. ST-1 was made along the northeastern façade of Building A-1 on Wednesday, February 3, 2021 at 11:20 a.m. This measurement was made approximately 5 feet from LT-3 and included two consecutive 10-minute measurements. One measurement was conducted within the classroom, approximately 5 feet from the exterior window (ST-1a) and one measurement was conducted outside of the classroom, approximately 5 feet from the exterior window (ST-1b), which was closed for noise control purposes. The exterior noise environment at this site was dominated by BART and vehicular traffic along E. 12th Street. Southbound BART trips generated noise levels between 80 to 86 dBA L_{max}, while northbound BART trips generated noise levels between 77 to 79 dBA L_{max}. Vehicular traffic along E. 12th Street typically generated noise levels between 60 to 65 dBA. The calculated difference between the 10-minute L_{eq} at both measurements is the transmission loss provided by the exterior façade. Over a duration of two 10-minute measurements, this transmission loss was calculated as 33 dBA.

ST-2 was made near at the southern corner of Building A-5 on Friday, February 5, 2021 at 11:10 a.m. Ambient noise levels at ST-2 generally ranged from 52 to 53 dBA when train, BART, automobile, and aircraft activities were minimal. During these times, distant traffic along I-880 was audible. Due to the high level of variability in the noise environment, two 10-minute measurements were made. During the first measurement, primary noise sources included vehicular traffic on Derby Avenue and E. 12th Street, which generated noise levels between 53 to 60 dBA, overhead aircraft, which generated noise levels between 63 to 65 dBA, and BART, which generated noise levels between 70 to 74 dBA L_{max}. During the second noise measurement, a northbound train on UPRR tracks generated noise levels between 64 to 78 dBA. The train horn generated noise levels up to 103 dBA L_{max}.

ST-3 was made at the proposed garden area near the center of the project site on Friday, February 5, 2021 at 11:30 a.m. Primary noise sources included vehicular traffic along 29th Avenue and E. 12th Street, which generally ranged between 51 to 55 dBA, overhead aircraft, which generally ranged between 52 to 57 dBA, and BART, which generally ranged between 60 to 67 dBA. All short-term measurement results are summarized in Table 4.

TABLE 4 Summary of Short-Term Noise Measurements (dBA)

Noise Measurement Location (Date and Time)	L_{max}	$L_{(1)}$	$L_{(10)}$	$L_{(50)}$	$L_{(90)}$	$L_{eq(10\text{-}min)}$
ST-1a: Inside Classroom along Northeast Façade (2/3/2021, 11:20-11:30 a.m.)	50	50	37	31	28	37
ST-1b: Outside Classroom along Northeast Façade (2/3/2021, 11:20-11:30 a.m.)	86	85	64	58	54	70
ST-2: South Corner of Existing Building (2/5/2021, 11:00-11:20 a.m.)[a]	73	72	63	55	52	60
	103	96	71	57	53	81
ST-3: Near Proposed Outdoor Play Area (2/5/2021, 11:30-11:40 a.m.)	65	63	56	53	51	54

[a] 10-minute measurements with UPRR train pass-by and without UPRR train pass-by

NOISE IMPACTS AND MITIGATION MEASURES

This section describes the significance criteria used to evaluate project impacts under CEQA, provides a description of each project impact, and presents mitigation measures, where necessary, to provide a compatible project in relation to adjacent noise-sensitive land uses.

Significance Criteria

The following criteria were used to evaluate the significance of environmental noise resulting from the project:

1. **Temporary or Permanent Noise Increases in Excess of Established Standards:** A significant impact would be identified in the following cases:

    a. Operational Noise in Excess of Standards. A significant impact would be identified if project operations were to exceed the noise level standards specified in Table Oakland-2, adjusted down by 5 dBA to account for noise sources consisting primarily of speech or music.

    b. Permanent Noise Increase. A significant permanent noise increase would occur if a) the noise level increase is 5 dBA L_{dn} or greater, with a future noise level of less than 60 dBA L_{dn}, or b) the noise level increase is 3 dBA L_{dn} or greater, with a future noise level of 60 dBA L_{dn} or greater.

    c. Temporary Noise Increase. Construction noise impacts would be considered significant if project construction were to exceed the City of Oakland's Construction (or Demolition) Noise Performance Standards for activities that occur for more than 10 days (70 dBA at commercial uses and 65 dBA at residential uses during weekday daytime hours).

2. **<u>Generation of Excessive Groundborne Vibration:</u>** A significant impact would be identified if the construction of the project would expose persons to excessive vibration levels. Groundborne vibration levels exceeding 0.3 in/sec PPV would have the potential to result in cosmetic damage to older residential buildings.

3. **<u>Exposure to Excessive Aircraft Noise Levels:</u>** A significant noise impact would be identified if the project would expose people residing or working in the project area to excessive aircraft noise levels (65 dBA CNEL or greater).

Impact 1: **Operational Activity and Event Noise in Excess of Established Standards.** Noise levels produced by indoor and outdoor activities on the project site would not exceed ambient noise conditions or City noise level standards. **This is a less-than-significant impact.**

The school is expected to have a student population of 400 students, with approximately 100 students each in grades 9 through 12, and 30 EFC faculty and administrative staff at full enrollment. The new charter high school would operate from mid-August to early June, with no summer school program. The typical hours of operation would be 7:00 am to 6:00 pm during weekdays, with class periods running from 8:20 am to 3:20 pm except for minimum days on Wednesdays, which would run from 8:20 am to 1:30 pm.

The multi-purpose building would be used primarily for providing lunch, physical education (PE), graduation and after school program space, and may be used from time to time as a gathering place for special events for the entire school community. Special events such as athletic games could occur once per week within the multi-purpose building between 6:30 pm and 7:30 pm. Other special events occurring 2 to 4 times per year would include school assemblies and family sports events primarily between the hours of 4:00 pm and 6:30 pm. Indoor events are not anticipated to be audible off-site above local traffic or rail noise, as the multi-purpose building would be mechanically ventilated, and doors would be maintained closed.

A significant impact from project operations would be identified if outdoor project operations were to generate noise levels that would exceed the noise level standards specified in Table Oakland-2. For noise sources that consist primarily of speech or music with discernable meaning, the limits would be adjusted down by 5 dBA. However, if the ambient noise level exceeds these standards, the standard shall be adjusted to equal the ambient noise level.

Outdoor Learning

The School anticipates allowing faculty to hold certain classes outdoors at the southeastern end of the site (Outdoor Learning). This space would replace an existing paved play area and basketball court. A 'normal conversation' would produce a sound level of 60 dBA L_{eq} at 3 feet. Noise levels at the nearest industrial land use to the southeast, approximately 90 feet from the center of the Outdoor Learning area, would be about 30 dBA L_{eq}, and noise levels at the nearest industrial land use to the northeast, approximately 110 feet from the center of the Outdoor Learning area, would be about 29 dBA L_{eq}. Outdoor classroom activity noise may be audible at times but would be lower

in level than existing noise levels generated by the local transportation noise sources (60 to 65 dBA L_{33}). This is a **less-than-significant** impact.

PE and Recess Activities

All outdoor activities including PE and recess would occur on the adjacent 29th Avenue parcel. A shade structure, two mini-soccer fields, and two basketball courts are proposed on this parcel, adjacent to commercial buildings including an existing auto-body shop (H&H Auto Collision Repair). The basketball courts would produce the highest noise levels at off site receptors given the proximity and noise sources associated with the use.

Based on noise monitoring at other schools in the Bay Area, a noise level of 59 dBA at a distance of 50 feet from the center of activities was assumed for PE and recess activities. Average noise levels would reach 63 dBA at the nearest industrial land uses located about 30 feet northeast of the center of the nearest basketball court. The nearest industrial land use to the southeast would be about 140 feet southeast of the center of the nearest basketball court and would be exposed to noise levels of about 50 dBA. Based on these data, PE and recess activities are not expected to produce noise levels exceeding those generated by the local transportation noise sources in the project vicinity (60 to 65 dBA L_{33}). Similarly, PE and recess noise levels could reach 46 dBA at the nearest residential land uses to the north, opposite E. 12th Street and BART. Noise levels would be similar in level to existing daytime noise levels, or substantially less, resulting in a **less-than-significant** impact.

Mitigation Measure 1a: None Required

Impact 1b: Permanent Noise Increase due to Project Traffic. Traffic noise levels along roadways serving the site would not substantially increase as a result of the project. **This is a less-than-significant impact.**

The project's Transportation Impact Review, prepared by Kittelson & Associates, Inc. and dated October 14, 2020, was reviewed to calculate permanent traffic noise level increases attributable to the proposed project. A significant permanent noise increase would occur if the project would increase noise levels at noise-sensitive receptors by 3 dBA L_{dn} or more where ambient noise levels exceed the "normally acceptable" noise level standard. Where ambient noise levels are at or below the "normally acceptable" noise level standard, noise level increases of 5 dBA L_{dn} or more would be considered significant. The City's General Plan defines the "normally acceptable" outdoor noise level standard for the residential land uses to be 60 dBA L_{dn}. Existing ambient levels, based on the measurements made in the project vicinity, exceed 60 dBA L_{dn} at receptors along roadways serving the site. Therefore, a significant impact would occur if traffic due to the proposed project would permanently increase ambient levels by 3 dBA L_{dn}. For reference, a 3 dBA L_{dn} noise increase due to project traffic would occur if the project would double existing traffic volumes along a roadway over a daily basis.

Existing AM and PM peak hour turning movement data for six study area intersections and trip generation information were reviewed to determine the traffic noise increase expected with the operation of the project. The project would generate 220 AM peak hour trips, 132 PM peak hour

trips, and 812 daily trips. During the morning arrival/drop-off period and the afternoon departure/pick-up period, vehicles would be routed through the Derby parcel in a one-way direction from Derby Avenue to 29th Avenue. Vehicles will exit via a right or left turn onto 29th Avenue. No vehicle entry would be permitted at the 29th Avenue driveway. At all other operating hours and after 6:00 p.m., the gates at both Derby and 29th Avenue would remain closed.

Based on the results of the traffic noise modeling, project generated trips would increase hourly average traffic noise levels along East 10th Street by up to 4 dBA L_{eq} during the AM peak traffic hour and by 1 dBA L_{eq} during the PM peak traffic hour. All other roadway segments would experience increases in hourly average traffic noise levels of less than 2 dBA L_{eq} during the AM and PM peak traffic hours. Congestion occurring during student drop-off and pick-up often results in even lower levels of traffic noise. During the remaining hours of the school day and during hours of the day when school is not in session, project generated traffic volumes would be low or negligible.

On a daily average basis, the project traffic during the peak traffic hours would cause a permanent noise level increase of less than 1 dBA L_{dn} at receptors along roadways serving the project site. Although there may be a noticeable increase in traffic noise levels during the peak traffic hours along East 10th Street, the additional traffic noise would not measurably contribute to the predominant noise sources in the area (i.e., railroad trains and BART trains in the project area). The proposed project would not result in a permanent noise increase of 3 dBA L_{dn} or more, and the impact is **less-than-significant** impact.

Mitigation Measure 1b: None Required

Impact 1c: Temporary Noise Increase from Construction. With the implementation of Oakland's standard controls, and recognizing that noise generated by construction activities would occur over a temporary period, the temporary increase in ambient noise levels would be **less-than-significant**.

Implementation of the EFC site development program would occur in two phases, intended to create a new charter high school campus. The Project's Preliminary Development Plan (PDP) of the entire development includes two phases, as summarized below.

- Phase 1: Phase 1 involves primarily seismic upgrades to the existing buildings on the Derby parcel (including the former Caltrans buildings and the new buildings constructed by EFC in 2014), and installation of recreational space on the adjacent and mostly vacant 29th Avenue parcel. Construction of Phase 1 work (including any necessary remediation of site contamination issues as determined pursuant to the Voluntary Remedial Action Agreement with ACDEH) is estimated to take 3 to 6 months, commencing immediately after land use approvals and building permit approvals.

- Phase 2: Once the leased Derby parcel has been acquired by EFC from Caltrans, the two lots would be merged under EFC ownership, existing Building B would be removed, and a new multi-purpose building would be constructed. EFC is currently working to raise sufficient funding for Phase 2 work, which is estimated to occur at about 1 to 2 years after

completion of Phase 1. Construction of the multi-purpose building is estimated to take approximately 1 year.

This schedule is an estimate, and actual timing will depend on how long it takes to raise the funds.

Noise impacts resulting from construction depend on the noise generated by various pieces of construction equipment, the timing and duration of noise-generating activities, the distance between construction noise sources and noise-sensitive receptors, any shielding provided by intervening structures or terrain, and ambient noise levels. Construction noise impacts primarily result when construction activities occur during noise-sensitive times of the day (early morning, evening, or nighttime hours), when construction occurs in areas immediately adjoining noise-sensitive land uses, or when construction durations last over extended periods of time.

A detailed list of construction equipment was not available at the time of this study. During each stage of construction, there would be a different mix of equipment operating, and noise levels would vary by stage and vary within stages, based on the amount of equipment in operation and the location at which the equipment is operating. Typical construction noise levels at a distance of 50 feet are shown in Tables 5 and 6. Table 5 shows the maximum noise level ranges for different construction equipment, and Table 6 shows the average noise level ranges, by construction phase. Most demolition and construction noise falls within the range of 80 to 90 dBA L_{max} at a distance of 50 feet from the source. Such noise levels would be expected at the nearest receptors to the site. Construction-generated noise levels drop off at a rate of about 6 dBA per doubling of the distance between the source and receptor.

TABLE 5 Construction Equipment 50-Foot Noise Emission Limits

Equipment Category	L_{max} Level (dBA)[1,2]	Impact/Continuous
Arc Welder	73	Continuous
Auger Drill Rig	85	Continuous
Backhoe	80	Continuous
Bar Bender	80	Continuous
Boring Jack Power Unit	80	Continuous
Chain Saw	85	Continuous
Compressor[3]	70	Continuous
Compressor (other)	80	Continuous
Concrete Mixer	85	Continuous
Concrete Pump	82	Continuous
Concrete Saw	90	Continuous
Concrete Vibrator	80	Continuous
Crane	85	Continuous
Dozer	85	Continuous
Excavator	85	Continuous
Front End Loader	80	Continuous
Generator	82	Continuous
Generator (25 KVA or less)	70	Continuous
Gradall	85	Continuous
Grader	85	Continuous
Grinder Saw	85	Continuous
Horizontal Boring Hydro Jack	80	Continuous

Equipment Category	L_{max} Level (dBA)[1,2]	Impact/Continuous
Hydra Break Ram	90	Impact
Impact Pile Driver	105	Impact
Insitu Soil Sampling Rig	84	Continuous
Jackhammer	85	Impact
Mounted Impact Hammer (hoe ram)	90	Impact
Paver	85	Continuous
Pneumatic Tools	85	Continuous
Pumps	77	Continuous
Rock Drill	85	Continuous
Scraper	85	Continuous
Slurry Trenching Machine	82	Continuous
Soil Mix Drill Rig	80	Continuous
Street Sweeper	80	Continuous
Tractor	84	Continuous
Truck (dump, delivery)	84	Continuous
Vacuum Excavator Truck (vac-truck)	85	Continuous
Vibratory Compactor	80	Continuous
Vibratory Pile Driver	95	Continuous
All other equipment with engines larger than 5 HP	85	Continuous

Notes:

[1] Measured at 50 feet from the construction equipment, with a "slow" (1 sec.) time constant.

[2] Noise limits apply to total noise emitted from equipment and associated components operating at full power while engaged in its intended operation.

[3] Portable Air Compressor rated at 75 cfm or greater and that operates at greater than 50 psi.

TABLE 6 Typical Ranges of Construction Noise Levels at 50 Feet, L_{eq} (dBA)

	Domestic Housing		Office Building, Hotel, Hospital, School, Public Works		Industrial Parking Garage, Religious Amusement & Recreations, Store, Service Station		Public Works Roads & Highways, Sewers, and Trenches	
	I	II	I	II	I	II	I	II
Ground Clearing	83	83	84	84	84	83	84	84
Excavation	88	75	89	79	89	71	88	78
Foundations	81	81	78	78	77	77	88	88
Erection	81	65	87	75	84	72	79	78
Finishing	88	72	89	75	89	74	84	84

I - All pertinent equipment present at site.
II - Minimum required equipment present at site.

Source: U.S.E.P.A., Legal Compilation on Noise, Vol. 1, p. 2-104, 1973.

The City of Oakland's Construction (or Demolition) Noise Performance Standards for activities that occur for more than 10 days, or any repetitively scheduled and relatively long-term construction or demolition operation, is 70 dBA at commercial and industrial uses and 65 dBA at residential uses during weekday daytime hours. If the ambient noise level exceeds these standards, the standard is adjusted to equal the ambient noise level.

The project would not likely involve the use of any "extreme" noise generators (i.e., equipment that would generate noise levels greater than 90 dBA at a distance of 50 feet) under typical construction conditions at nominal distances of 50 feet or greater from the equipment. At 50 feet from the construction noise source, hourly average noise levels would be expected to range from 75 to 89 dBA L_{eq}. Noise levels would typically drop off at a rate of about 6 decibels per doubling of distance from the construction noise source. Shielding by terrain would be anticipated to reduce construction noise levels by 5 to 20 dBA, depending on the location of the receptor and of the construction. Noise controls on construction equipment have been found to reduce noise levels by 5 to 10 dBA.

Residences are located opposite E. 12th Street and BART, approximately 180 feet northeast of the portion of the site that would be developed with outdoor play areas. Residences are also located opposite 29th Avenue, approximately 500 feet from the portion of the site that would be developed with the multipurpose building. Construction noise levels could at times range from 64 to 78 dBA L_{eq} at residences located 180 feet from the project site, and from 55 to 69 dBA L_{eq} at residences 500 feet from the project site. Construction noise levels would generally fall at or below ambient noise levels produced by local traffic, BART, and railroad trains at these residences.

Commercial and industrial land uses generally surround the project site. Noise levels expected at these land uses would generally be expected to range from 75 to 89 dBA L_{eq}. Construction noise levels would be expected to exceed ambient noise levels produced by local traffic, BART, and railroad trains at these commercial and industrial land uses.

The City allows for an exemption if an acoustical analysis is performed that identifies measures to reduce potential impacts. The following standard controls, consistent with the Oakland Municipal Code, are assumed to be included in the project:

- Limit all exterior construction activities to within the hours of 7:00 am and 7:00 pm on Weekdays, with no construction occurring on Sundays or federal holidays. Use of the concrete saw shall be limited to the hours between 8:00 am and 4:00 pm on weekdays. Interior construction would also be allowed from 9:00 am and 5:00 pm on Saturdays.

- Work with adjoining properties to determine the best days and times to conduct heavy construction located within 50 feet of shared property lines.

- Equipment and trucks used for project construction shall utilize the best available noise control techniques (e.g., improved mufflers, equipment redesign, use of intake silencers, ducts, engine enclosures and acoustically attenuating shields or shrouds), wherever feasible.

- Except as provided herein, impact tools (e.g., jackhammers, pavement breakers, and rock drills) used for project construction shall be hydraulically or electrically powered to avoid noise associated with compressed air exhaust from pneumatically powered tools. However, where use of pneumatic tools is unavoidable, an exhaust muffler on the compressed air exhaust shall be used; this muffler can lower noise levels from the exhaust by up to about 10 dBA. External jackets on the tools themselves shall be used, if such jackets are commercially available, and this could achieve a reduction of 5 dBA. Quieter procedures shall be used, such as drills rather than impact equipment, whenever such procedures are available and consistent with construction procedures.

- Use temporary power poles instead of generators where feasible.

- Locate stationary noise sources as far from adjacent receptors as possible, and they shall be muffled and enclosed within temporary sheds, incorporate insulation barriers, or use other measures as determined by the City to provide equivalent noise reduction.

- Stage large equipment, compressors, or generators at least 25 feet from the site perimeters when work is not being done near these uses.

- The noisiest phases of construction shall be limited to less than 10 days at a time. Exceptions may be allowed if the City determines an extension is necessary and all available noise reduction controls are implemented.

- Construction activities should be conducted in a manner that minimizes the noise impact at the adjacent property boundaries wherever possible. Construction equipment shall be positioned as far from noise sensitive receptors as possible.

- Prohibit unnecessary idling of internal combustion engines.

- Conduct a preconstruction meeting with the City of Oakland and Contractor to identify potential sources of noise and how to mitigate them.

- Notify property owners and occupants located within 300 feet of construction activities at least 14 calendar days prior to commencement of construction.

- Designate an on-site construction complaint and enforcement manager for the project.

- Post a large on-site sign near the public right-of-way containing permitted construction days/hours, complaint procedures and phone numbers for the complaint manager and City Code Enforcement unit.

- Maintain a complaint log that records received complaints and how complaints were addressed, which shall be submitted to the City for review upon the City's request.

- Construction noise monitoring should be undertaken if reliable noise complaints are received during demolition, excavation, and/or construction activities. Noise levels should be monitored representative of ground level outdoor use areas and/or the worst-case ground level façade window exposure at the location from which the noise complaints originated by a qualified acoustical professional. Integrated average (L_{eq}) noise level measurements on an hourly basis should be made of activities representative of those that generated the complaint. If the measured noise levels during this test are found to exceed the City's construction noise performance standards, an acoustical professional should be retained to specify additional noise attenuation measures to reduce noise levels to City Standards. These measures may include operational considerations, the use of additional ground level noise barriers or noise control blanketing of the building structure.

Implementation of the above standard controls would reduce construction noise levels emanating from the site, limit construction hours, and minimize disruption and annoyance. With the implementation of these controls and recognizing that noise generated by construction activities would occur over a temporary period, the temporary increase in ambient noise levels would be **less-than-significant**.

Mitigation Measure 1c: None Required

Impact 2: Generation of Excessive Groundborne Vibration due to Construction. Construction-related vibration levels would exceed 0.3 in/sec PPV at structures immediately adjacent to the project site. **This is a significant impact.**

Demolition and construction activities required for construction often generate perceptible vibration and levels that could affect nearby structures when heavy equipment or impact tools (e.g. jackhammers, pile drivers, hoe rams) are used. Building damage generally falls into three categories. Cosmetic damage (also known as threshold damage) is defined as hairline cracking in plaster, the opening of old cracks, the loosening of paint or the dislodging of loose objects. Minor damage is defined as hairline cracking in masonry or the loosening of plaster. Major structural damage is defined as wide cracking or the shifting of foundation or bearing walls.

Due to the short-term nature of construction, the primary concern is the potential to damage a structure. The City of Oakland does not establish a vibration limit for construction. As shown in Table 3, the California Department of Transportation recommends a vibration limit of 0.25 in/sec PPV to minimize the potential for cosmetic damage to sensitive historic structures and 0.3 in/sec PPV as the threshold at which there is a risk of damage to older residential structures. There are no off-site historic properties located near the project site. Therefore, groundborne vibration levels exceeding 0.3 in/sec PPV would have the potential to result in a significant vibration impact to off-site structures.

Three commercial buildings are located immediately north of the undeveloped 29th Avenue parcel along E. 12th Street. With the exception of these three buildings, all other project construction activities would occur at least 60 feet from off-site commercial/industrial buildings. The nearest residential buildings are located at least 180 feet from the project site.

Vibration levels would vary depending on soil conditions, construction methods, and equipment used. Jackhammers typically generate vibration levels of 0.035 in/sec PPV, and drilling typically generates vibration levels of 0.09 in/sec PPV at a distance of 25 feet. Vibration levels are highest close to the source, and then attenuate with increasing distance at the rate $(D_{ref}/D)^{1.1}$, where D is the distance from the source in feet and D_{ref} is the reference distance of 25 feet. Table 7 presents typical vibration levels that could be expected from construction equipment at a distance of 25 feet and summarizes the expected vibration levels at buildings bordering the site (5 feet), across the street from the site (60 feet), and at the nearest residential buildings to the site (180 feet). At a distance of 5 feet, vibration levels due to vibratory rollers or the dropping of heavy equipment are conservatively calculated to reach 1.2 in/sec PPV, which would exceed the 0.3 in/sec PPV threshold for buildings of normal conventional construction. Other heavy equipment including loaded trucks, drills, large bulldozers, and hoe rams would also produce vibration levels exceeding 0.3 in/sec PPV at buildings located within 5 feet of the project site. Vibration levels at distances greater than 25 feet from the project site would not exceed the 0.3 in/sec PPV threshold for buildings of normal conventional construction.

The US Bureau of Mines has analyzed the effects of blast-induced vibration on buildings in USBM RI 8507[2], and these findings have been applied to vibrations emanating from construction equipment on buildings.[3] Figure 2 presents the damage probability, as reported in USBM RI 8507 and reproduced by Dowding, assuming a maximum vibration level of 1.2 in/sec PPV. As shown on Figure 2, these studies indicate a less than 20% probability of "threshold damage" (referred to as cosmetic damage elsewhere in this report) at vibration levels of 1.2 in/sec PPV or less and no observations of "minor damage" or "major damage" at vibration levels of 1.2 in/sec PPV or less. Based on these data, cosmetic or threshold damage would be manifested in the form of hairline cracking in plaster, the opening of old cracks, the loosening of paint or the dislodging of loose objects. However, minor damage (e.g., hairline cracking in masonry or the loosening of plaster) or major structural damage (e.g., wide cracking or shifting of foundation or bearing walls) would not occur at the adjacent buildings, assuming a maximum vibration level of 1.2 in/sec PPV. Other buildings of normal conventional construction located 60 feet or more from the project site would not be exposed to vibration levels exceeding the 0.3 in/sec PPV. Based on the data summarized in Figure 2, there were no observations of "threshold damage", "minor damage", or "major damage" at buildings of normal conventional construction when vibration levels were 0.3 in/sec PPV or less.

Project-generated vibration levels would be capable of cosmetically damaging the three adjacent commercial buildings to the north (3005-3031 E. 12th Street), but would fall below the 0.3 in/sec PPV threshold at other all other surrounding conventional buildings. Neither cosmetic, minor, or major damage would occur beyond a distance of 25 feet. At these locations, and in other surrounding areas where vibration would not be expected to cause structural damage, vibration levels may still be perceptible. However, as with any type of construction, this would be anticipated and would not be considered significant, given the intermittent and short duration of the phases that have the highest potential of producing vibration. By use of administrative controls, such as

2 Siskind, D.E., M.S. Stagg, J.W. Kopp, and C.H. Dowding, Structure Response and Damage Produced by Ground Vibration form Surface Mine Blasting, RI 8507, Bureau of Mines Report of Investigations, U.S. Department of the Interior Bureau of Mines, Washington, D.C., 1980.

3 Dowding, C.H., Construction Vibrations, Prentice Hall, Upper Saddle River, 1996.

notifying neighbors of scheduled construction activities and scheduling construction activities with the highest potential to produce perceptible vibration during hours with the least potential to affect nearby residences and businesses, perceptible vibration can be kept to a minimum.

TABLE 7 Construction Vibration Levels at Nearby Buildings

Equipment		PPV (in/sec)			
		Source Level at 25 ft	Vibration Level at 5 ft	Vibration Level at 60 ft	Vibration Level at 180 ft
Clam shovel drop		0.202	**1.186**	0.077	0.023
Hydromill (slurry wall)	in soil	0.008	0.047	0.003	0.001
	in rock	0.017	0.100	0.006	0.002
Vibratory Roller		0.210	**1.233**	0.080	0.024
Hoe Ram		0.089	**0.523**	0.034	0.010
Large bulldozer		0.089	**0.523**	0.034	0.010
Caisson drilling		0.089	**0.523**	0.034	0.010
Loaded trucks		0.076	**0.446**	0.029	0.009
Jackhammer		0.035	0.206	0.013	0.004
Small bulldozer		0.003	0.018	0.001	0.000

Source: Transit Noise and Vibration Impact Assessment Manual, Federal Transit Administration, Office of Planning and Environment, U.S. Department of Transportation, FTA Report No. 0123, September 2018, as modified by Illingworth & Rodkin, Inc., March 2021.

Mitigation Measure 2:

The following measures shall be implemented where vibration levels due to construction activities would exceed 0.3 in/sec PPV at nearby buildings:

- Prohibit the use of heavy vibration-generating construction equipment within 20 feet of adjacent commercial buildings.

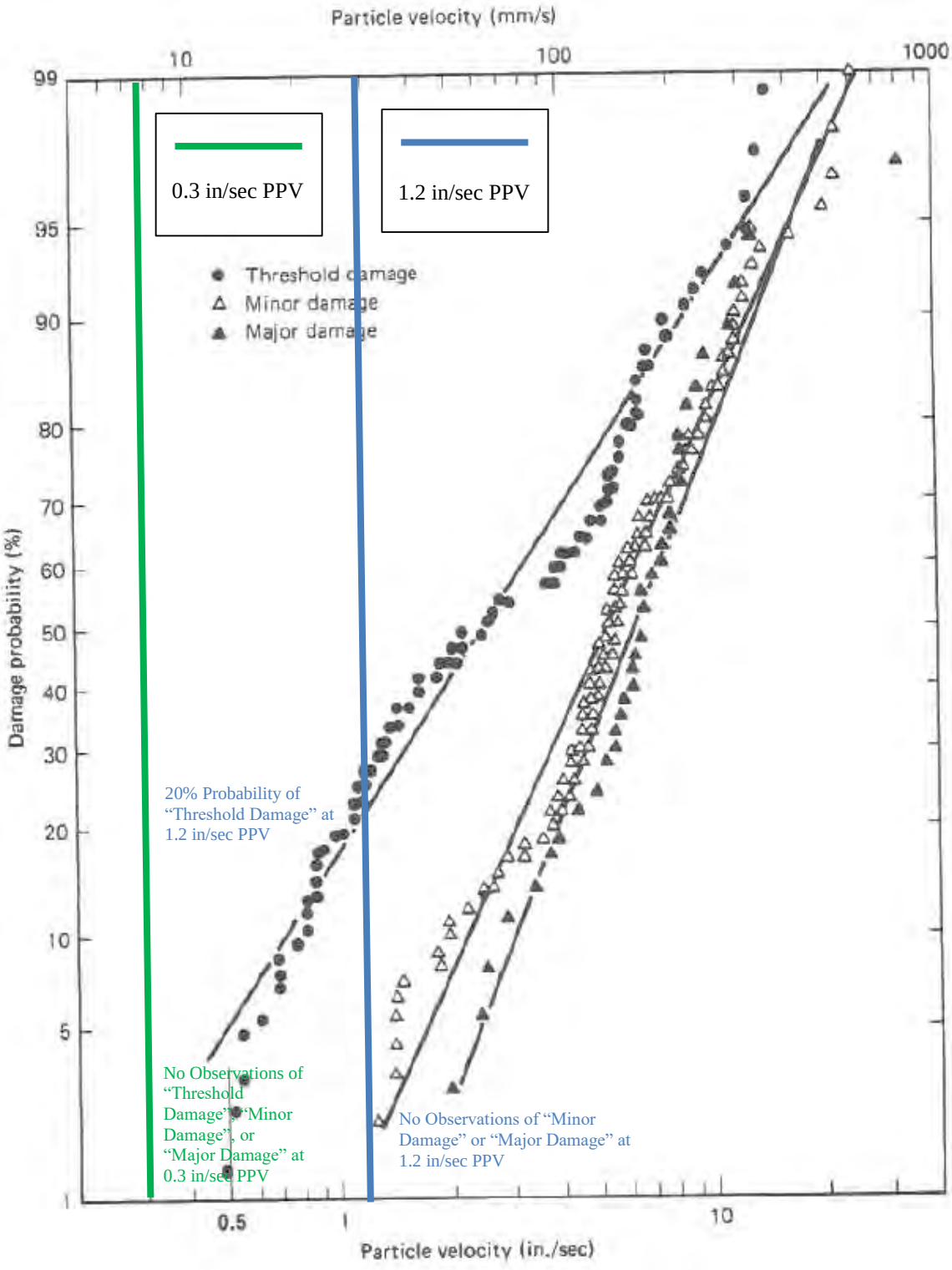
- Use a smaller vibratory roller, such as the Caterpillar model CP433E vibratory compactor, when compacting materials within 20 feet of adjacent commercial buildings. Only use the static compaction mode when within 10 feet of the adjacent commercial buildings.

- Avoid dropping heavy equipment and use alternative methods for breaking up existing pavement, such as a pavement grinder, instead of dropping heavy objects, within 20 feet of adjacent commercial buildings.

- Designate a person responsible for registering and investigating claims of excessive vibration. The contact information of such person shall be clearly posted on the construction site.

The implementation of these mitigation measures would reduce a potential impact to a **less-than-significant** level.

FIGURE 2 Probability of Cracking and Fatigue from Repetitive Loading



Source: Dowding, C.H., Construction Vibrations, Prentice Hall, Upper Saddle River, 1996 as modified by Illingworth & Rodkin, Inc., March 2021.

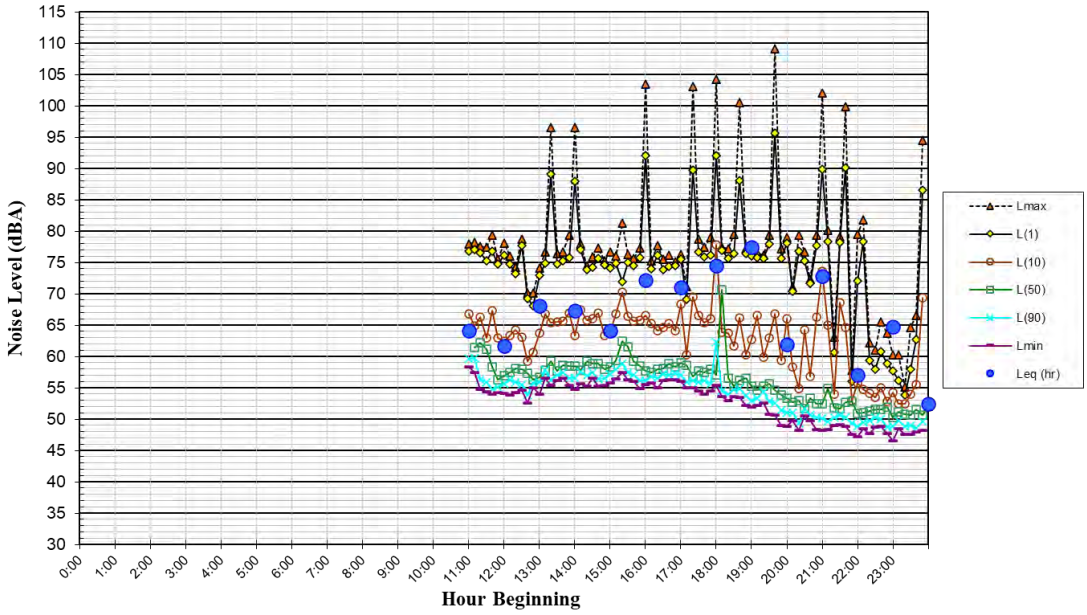
Impact 3: **Excessive Aircraft Noise.** The project site is located approximately 2.5 miles north of Oakland International Airport, but would not expose people residing or working in the project area to excessive aircraft noise. **This is a less-than-significant impact.**

Oakland International Airport is located about 2.5 miles south of the project site. Although aircraft-related noise can occasionally be audible at the project site, noise from aircraft does not substantially increase ambient noise levels produced by railroad trains, BART, and local traffic. Based on a review of the Oakland International Airport Annual Noise Contour maps for the years between 2012 and 2020, the project site lies outside the airport's 65 dBA CNEL noise contour. In addition, a review of the Oakland International Airport Airport Land Use Compatibility Plan shows that the project site is located well outside the 2010 60 dBA CNEL noise contour. This means that exterior and interior noise levels due to aircraft from Oakland International Airport are compatible with the proposed use. This is a **less-than-significant** impact.

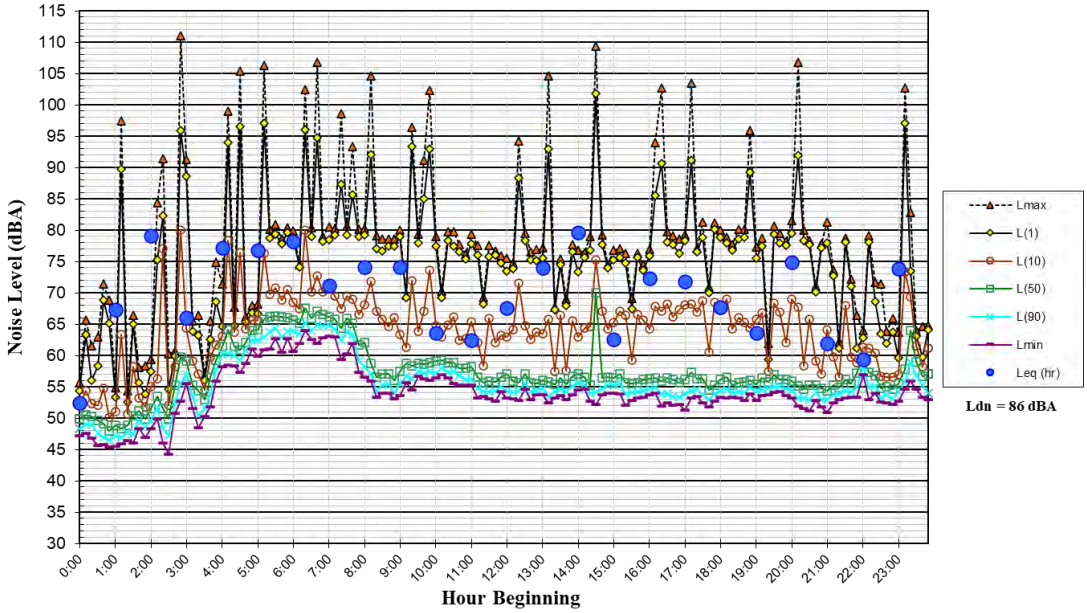
Mitigation Measure 3: **None required.**

Appendix A – Long-Term Noise Measurement Data

Noise Levels at Noise Measurement Site LT-1
~ 50 feet from centerline of nearest UPRR tracks
Wednesday, February 3, 2021

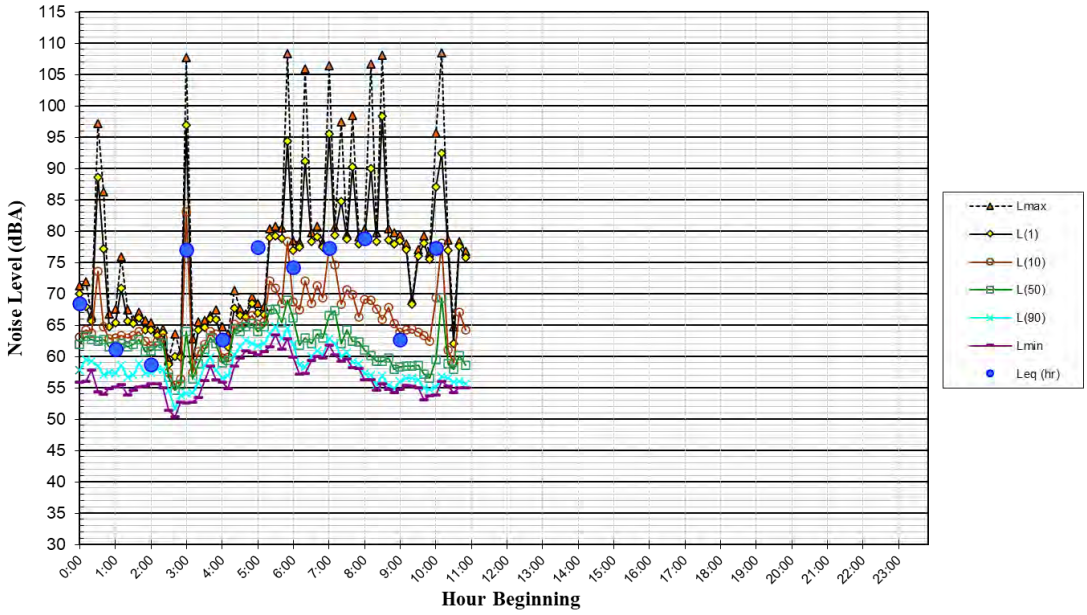


Noise Levels at Noise Measurement Site LT-1
~ 50 feet from centerline of nearest UPRR tracks
Thursday, February 4, 2021

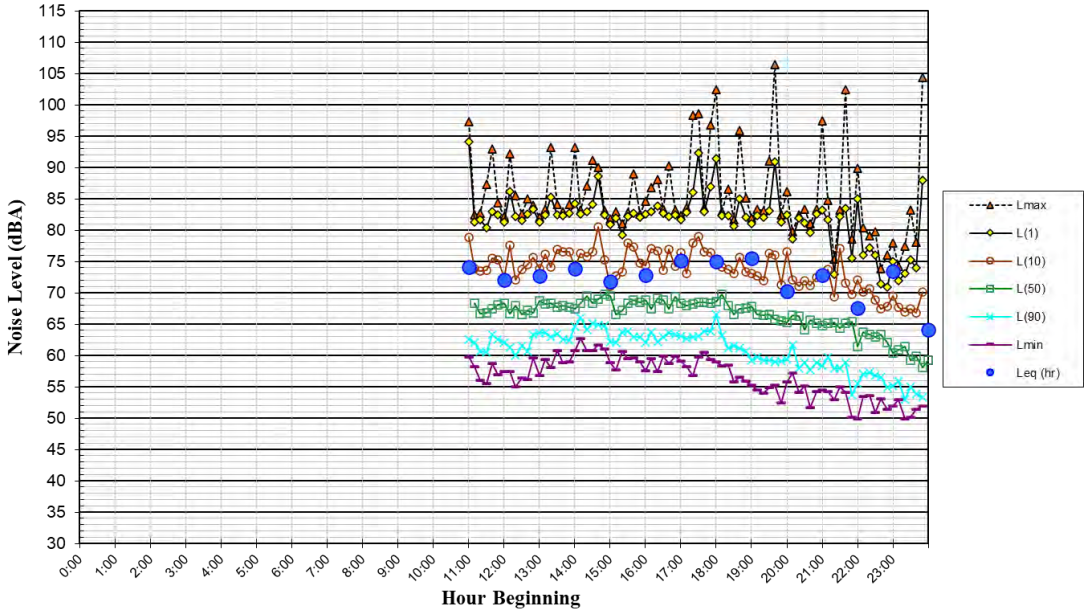


Ldn = 86 dBA

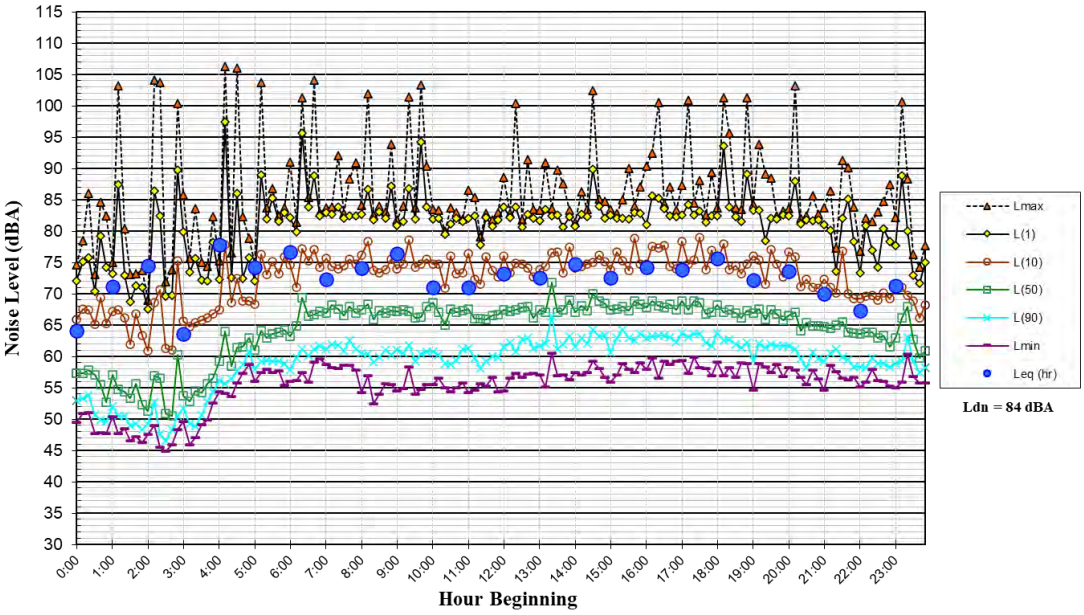
Noise Levels at Noise Measurement Site LT-1
~ 50 feet from centerline of nearest UPRR tracks
Friday, February 5, 2021



Noise Levels at Noise Measurement Site LT-2
~ 35 feet from centerline of 29th Ave
Wednesday, February 3, 2021

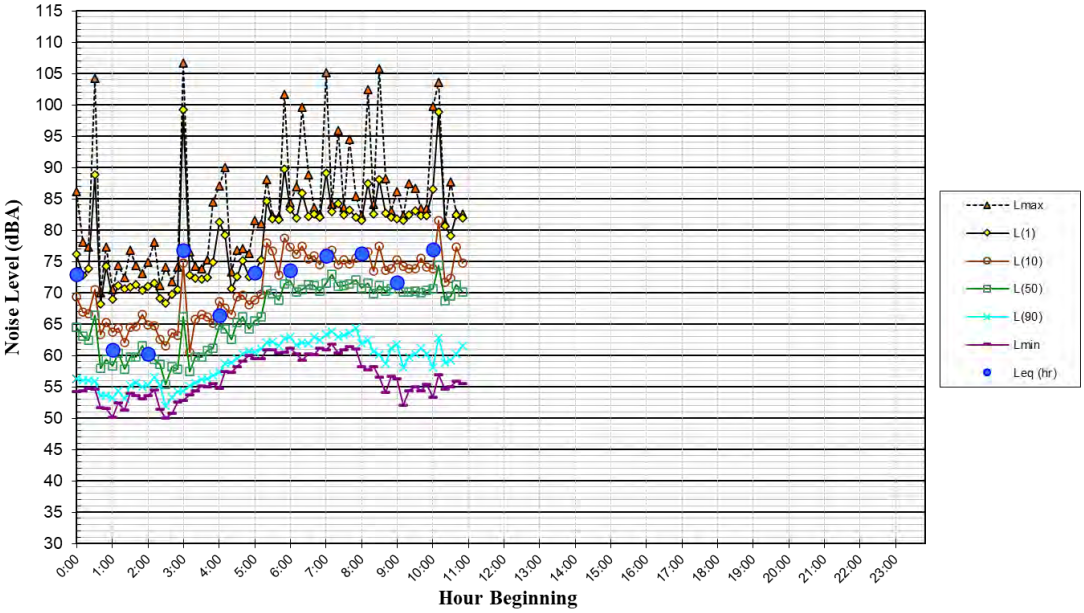


Noise Levels at Noise Measurement Site LT-2
~ 35 feet from centerline of 29th Ave
Thursday, February 4, 2021

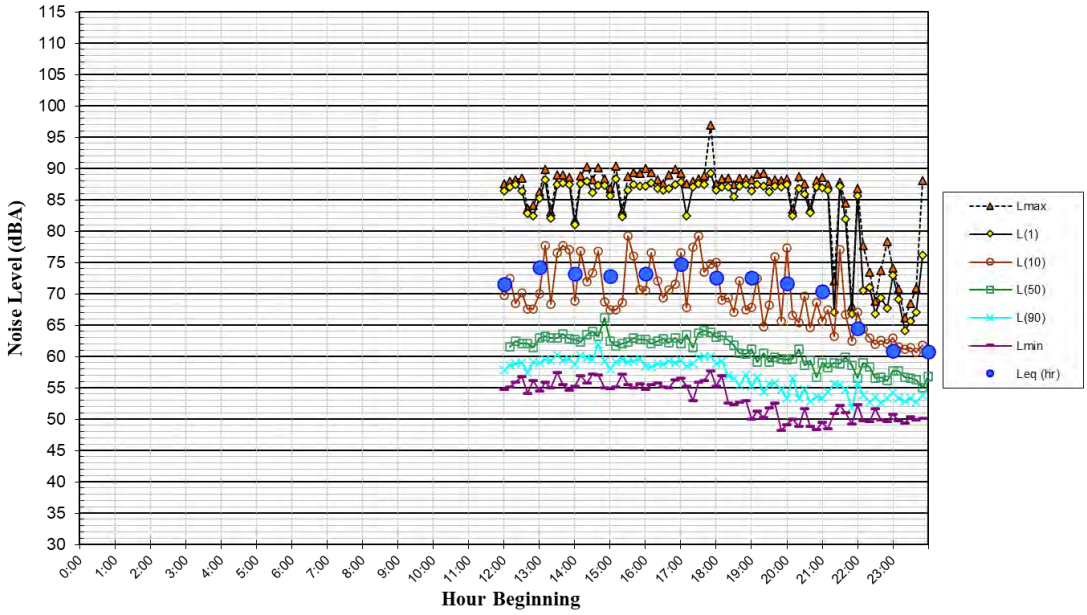


Ldn = 84 dBA

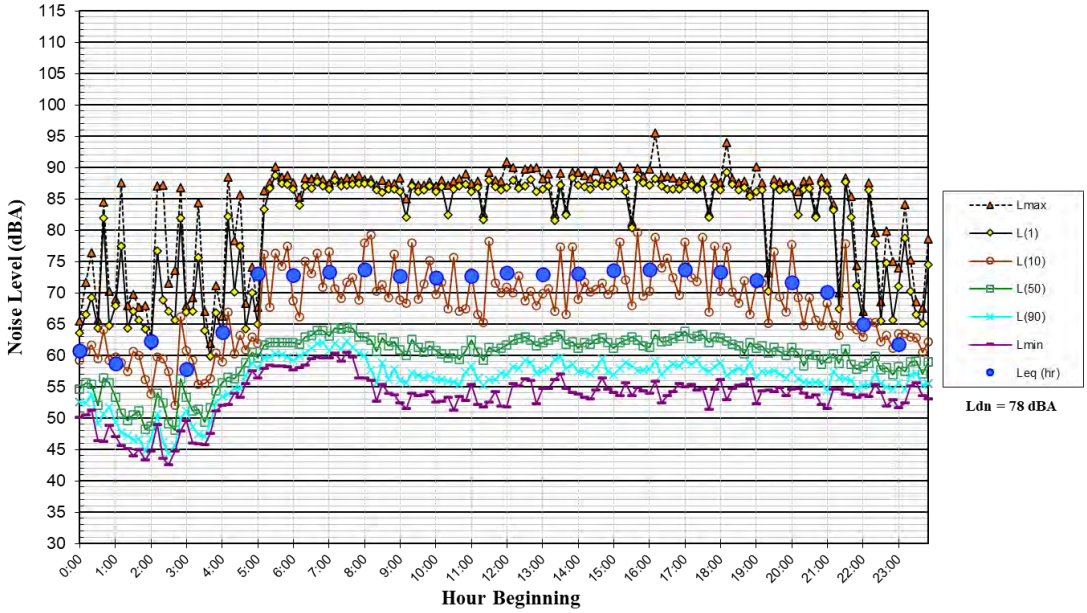
Noise Levels at Noise Measurement Site LT-2
~ 35 feet from centerline of 29th Ave
Friday, February 5, 2021



Noise Levels at Noise Measurement Site LT-3
~ 165 feet from centerline of East 12th St
Wednesday, February 3, 2021

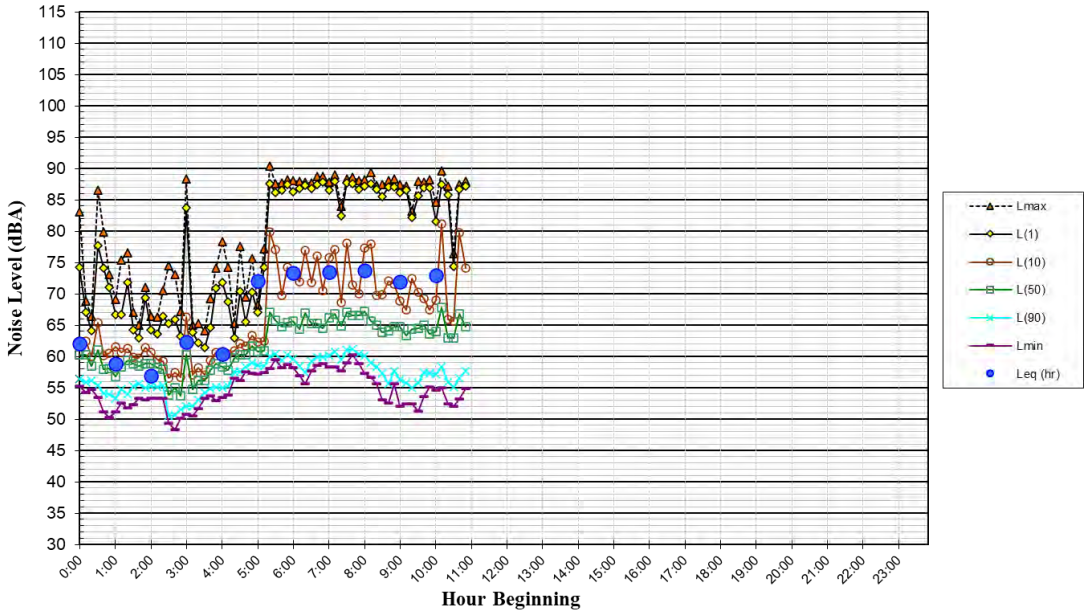


Noise Levels at Noise Measurement Site LT-3
~ 165 feet from centerline of East 12th St
Thursday, February 4, 2021



Ldn = 78 dBA

Noise Levels at Noise Measurement Site LT-3
~ 165 feet from centerline of East 12th St
Friday, February 5, 2021



Appendix M

Illingworth & Rodkin, Inc.

***Education for Change Latitude High School Preliminary Noise and Land Use Compatibility Assessment*, April 20, 2021**

ILLINGWORTH & RODKIN, INC.
Acoustics • Air Quality
429 E. Cotati Avenue
Cotati, CA 94931
Tel: 707-794-0400 *Fax: 707-794-0405*
www.illingworthrodkin.com *illro@illingworthrodkin.com*

April 20, 2021

Scott Gregory
Lamphier-Gregory
1944 Embarcadero
Oakland, CA 94606

VIA E-Mail: **sgregory@lamphier-gregory.com**

SUBJECT: **EFC Latitude High School, Oakland, CA --**
Preliminary Noise/Vibration and Land Use Compatibility Assessment

Dear Scott:

This letter summarizes our initial evaluation of the noise/vibration and land use compatibility of the EFC Latitude High School project proposed in Oakland, California. The project would redevelop the site in two phases to allow for the operation of a grade 9 through 12 charter high school. This letter includes a brief description of the fundamentals of environmental noise and vibration, summarizes applicable regulatory criteria, and discusses the noise/vibration land use compatibility of the project based on the data collected at the project site.

Fundamentals of Environmental Noise

Noise may be defined as unwanted sound. Noise is usually objectionable because it is disturbing or annoying. The objectionable nature of sound could be caused by its *pitch* or its *loudness*. *Pitch* is the height or depth of a tone or sound, depending on the relative rapidity (*frequency*) of the vibrations by which it is produced. Higher pitched signals sound louder to humans than sounds with a lower pitch. *Loudness* is intensity of sound waves combined with the reception characteristics of the ear. Intensity may be compared with the height of an ocean wave in that it is a measure of the amplitude of the sound wave.

In addition to the concepts of pitch and loudness, there are several noise measurement scales which are used to describe noise in a particular location. A *decibel (dB)* is a unit of measurement which indicates the relative amplitude of a sound. The zero on the decibel scale is based on the lowest sound level that the healthy, unimpaired human ear can detect. Sound levels in decibels are calculated on a logarithmic basis. An increase of 10 decibels represents a ten-fold increase in acoustic energy, while 20 decibels is 100 times more intense, 30 decibels is 1,000 times more intense, etc. There is a relationship between the subjective noisiness or loudness of a sound and its

intensity. Each 10 decibel increase in sound level is perceived as approximately a doubling of loudness over a fairly wide range of intensities. Technical terms are defined in Table 1.

There are several methods of characterizing sound. The most common in California is the *A-weighted sound level (dBA).* This scale gives greater weight to the frequencies of sound to which the human ear is most sensitive. Representative outdoor and indoor noise levels in units of dBA are shown in Table 2. Because sound levels can vary markedly over a short period of time, a method for describing either the average character of the sound or the statistical behavior of the variations must be utilized. Most commonly, environmental sounds are described in terms of an average level that has the same acoustical energy as the summation of all the time-varying events. This *energy-equivalent sound/noise descriptor* is called L_{eq}. The most common averaging period is hourly, but L_{eq} can describe any series of noise events of arbitrary duration.

The scientific instrument used to measure noise is the sound level meter. Sound level meters can accurately measure environmental noise levels to within about plus or minus 1 dBA. Various computer models are used to predict environmental noise levels from sources, such as roadways and airports. The accuracy of the predicted models depends upon the distance the receptor is from the noise source. Close to the noise source, the models are accurate to within about plus or minus 1 to 2 dBA.

Since the sensitivity to noise increases during the evening and at night -- because excessive noise interferes with the ability to sleep -- 24-hour descriptors have been developed that incorporate artificial noise penalties added to quiet-time noise events. The *Community Noise Equivalent Level* (*CNEL*) is a measure of the cumulative noise exposure in a community, with a 5 dB penalty added to evening (7:00 pm - 10:00 pm) and a 10 dB addition to nocturnal (10:00 pm - 7:00 am) noise levels. The *Day/Night Average Sound Level* (*DNL* or L_{dn}) is essentially the same as CNEL, with the exception that the evening time period is dropped and all occurrences during this three-hour period are grouped into the daytime period.

Fundamentals of Groundborne Vibration

Ground vibration consists of rapidly fluctuating motions or waves with an average motion of zero. Rail operations are potential sources of substantial ground-borne vibration depending on distance, the type and the speed of trains, and the type of railroad track. People's response to ground-borne vibration has been correlated best with the velocity of the ground. The velocity of the ground is expressed on the decibel scale. The abbreviation "VdB" is used in this document for vibration decibels to reduce the potential for confusion with sound decibels. Typical levels of groundborne vibration are summarized in Table 3.

The U.S. Department of Transportation, Federal Transit Administration has developed rational vibration limits that can be used to evaluate human annoyance to ground-borne vibration. These criteria are primarily based on experience with passenger train operations, such as rapid transit and commuter rail systems. The main difference between passenger and freight operations is the time duration of individual events; a passenger train lasts a few seconds whereas a long freight train may last several minutes, depending on speed and length.

TABLE 1 Definition of Acoustical Terms Used in this Report

Term	Definition
Decibel, dB	A unit describing, the amplitude of sound, equal to 20 times the logarithm to the base 10 of the ratio of the pressure of the sound measured to the reference pressure. The reference pressure for air is 20 micro Pascals.
Sound Pressure Level	Sound pressure is the sound force per unit area, usually expressed in micro Pascals (or 20 micro Newtons per square meter), where 1 Pascal is the pressure resulting from a force of 1 Newton exerted over an area of 1 square meter. The sound pressure level is expressed in decibels as 20 times the logarithm to the base 10 of the ratio between the pressures exerted by the sound to a reference sound pressure (e. g., 20 micro Pascals). Sound pressure level is the quantity that is directly measured by a sound level meter.
Frequency, Hz	The number of complete pressure fluctuations per second above and below atmospheric pressure. Normal human hearing is between 20 Hz and 20,000 Hz. Infrasonic sound are below 20 Hz and Ultrasonic sounds are above 20,000 Hz.
A-Weighted Sound Level, dBA	The sound pressure level in decibels as measured on a sound level meter using the A-weighting filter network. The A-weighting filter de-emphasizes the very low and very high frequency components of the sound in a manner similar to the frequency response of the human ear and correlates well with subjective reactions to noise.
Equivalent Noise Level, L_{eq}	The average A-weighted noise level during the measurement period.
L_{max}, L_{min}	The maximum and minimum A-weighted noise level during the measurement period.
L_{01}, L_{10}, L_{50}, L_{90}	The A-weighted noise levels that are exceeded 1%, 10%, 50%, and 90% of the time during the measurement period.
Day/Night Noise Level, L_{dn} or DNL	The average A-weighted noise level during a 24-hour day, obtained after addition of 10 decibels to levels measured in the night between 10:00 pm and 7:00 am.
Community Noise Equivalent Level, CNEL	The average A-weighted noise level during a 24-hour day, obtained after addition of 5 decibels in the evening from 7:00 pm to 10:00 pm and after addition of 10 decibels to sound levels measured in the night between 10:00 pm and 7:00 am.
Ambient Noise Level	The composite of noise from all sources near and far. The normal or existing level of environmental noise at a given location.
Intrusive	That noise which intrudes over and above the existing ambient noise at a given location. The relative intrusiveness of a sound depends upon its amplitude, duration, frequency, and time of occurrence and tonal or informational content as well as the prevailing ambient noise level.

Source: Handbook of Acoustical Measurements and Noise Control, Harris, 1998.

TABLE 2 Typical Noise Levels in the Environment

Common Outdoor Activities	Noise Level (dBA)	Common Indoor Activities
	110 dBA	Rock band
Jet fly-over at 1,000 feet		
	100 dBA	
Gas lawn mower at 3 feet		
	90 dBA	
Diesel truck at 50 feet at 50 mph		Food blender at 3 feet
	80 dBA	Garbage disposal at 3 feet
Noisy urban area, daytime		
Gas lawn mower, 100 feet	70 dBA	Vacuum cleaner at 10 feet
Commercial area		Normal speech at 3 feet
Heavy traffic at 300 feet	60 dBA	
		Large business office
Quiet urban daytime	50 dBA	Dishwasher in next room
Quiet urban nighttime	40 dBA	Theater, large conference room
Quiet suburban nighttime		
	30 dBA	Library
Quiet rural nighttime		Bedroom at night, concert hall (background)
	20 dBA	
		Broadcast/recording studio
	10 dBA	
	0 dBA	

Source: Technical Noise Supplement (TeNS), California Department of Transportation, September 2013.

TABLE 3 Typical Levels of Groundborne Vibration

Human/Structural Response	Velocity Level, VdB (re 1µinch/sec, RMS)	Typical Events (50 –foot setback)
Threshold, minor cosmetic damage	100	Blasting, pile driving, vibratory compaction equipment
		Heavy tracked vehicles (Bulldozers, cranes, drill rigs)
Difficulty with tasks such as reading a video or computer screen	90	
		Commuter rail, upper range
Residential annoyance, infrequent events	80	Rapid transit, upper range
Residential annoyance, frequent events		Commuter rail, typical Bus or truck over bump or on rough roads
	70	Rapid transit, typical
Approximate human threshold of perception to vibration		Buses, trucks and heavy street traffic
	60	
		Background vibration in residential settings in the absence of activity
Lower limit for equipment ultra-sensitive to vibration	50	

Source: Illingworth & Rodkin, Inc. and U.S. Department of Transportation, Federal Transit Administration, Transit Noise and Vibration Impact Assessment, September 2018.

Regulatory Background

Noise-related regulations, plans, and policies established by the State of California and the City of Oakland are applicable in this assessment of the proposed project. These planning documents are implemented during the environmental review process to limit noise exposure at existing and proposed noise sensitive land uses.

2019 California Green Building Standards Code (Cal Green Code). The State of California established exterior sound transmission control standards for new non-residential buildings as set forth in the 2019 California Green Building Standards Code (Section 5.507.4.1 and 5.507.4.2). Section 5.507 states that either the prescriptive (Section 5.507.4.1) or the performance method (Section 5.507.4.2) shall be used to determine environmental control at indoor areas. The prescriptive method is very conservative and not practical in most cases; however, the performance method can be quantitatively verified using exterior-to-interior calculations. For the purposes of this report, the performance method is utilized to determine consistency with the Cal Green Code. Both of the sections that pertain to this project are as follows:

> **5.507.4.1 Exterior noise transmission, prescriptive method.** Wall and roof-ceiling assemblies making up the building envelope that are exposed to the noise source shall meet a composite STC rating of at least 50 or a composite OITC rating of no less than 40, with exterior windows of a minimum STC of 40 or OITC of 30 when the building falls within the 65 dBA L_{dn} noise contour of a freeway or expressway, railroad, industrial source or fixed-guideway noise source, as determined by the local general plan noise element.
>
> **5.507.4.2 Performance method.** For buildings located within the 65 dBA L_{dn} noise contour of a freeway or expressway, railroad, industrial source or fixed-guideway noise source, wall and roof-ceiling assemblies making up the building envelope and exposed to the noise source shall be constructed to provide an interior noise environment attributable to exterior sources that does not exceed an hourly equivalent noise level ($L_{eq\ (1\text{-}hr)}$) of 50 dBA in occupied areas during any hour of operation.

The performance method, which establishes the acceptable interior noise level, is the method typically used when applying these standards.

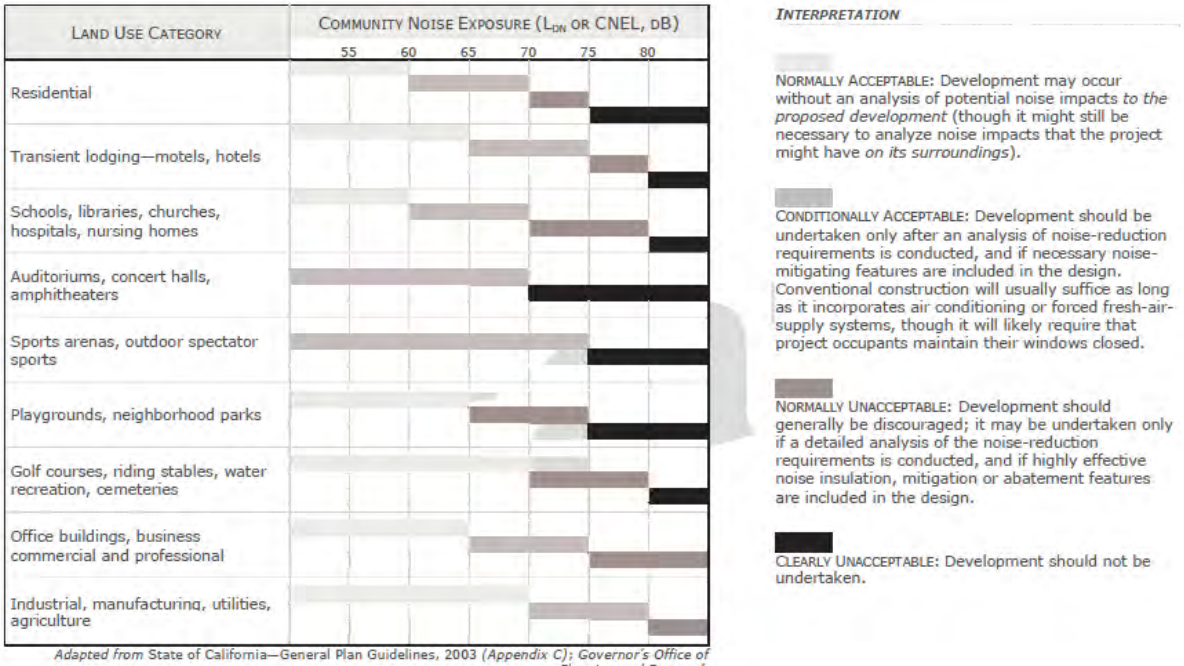
California Collaborative for High Performance School (CHPS). CHPS provides criteria for interior noise levels in learning spaces of schools due to exterior noise sources, summarized in Table 4. The CHPS criteria shown in the table refer to hourly average noise levels ($L_{eq(h)}$) during the loudest hour of the school day.

TABLE 4 Exterior-to-interior noise intrusion criteria for schools

	CHPS Prerequisite	CHPS Enhanced Acoustics
Core learning spaces	45 dB(A) or less indoors	35 dB(A) or less indoors
Ancillary learning & assembly spaces	N/A	40 dB(A) or less indoors

City of Oakland General Plan Noise Element. Figure 6 of the Noise Element (below) categorizes a noise level of up to 60 dBA L_{dn}/CNEL as "acceptable", from 60 to 70 dBA L_{dn}/CNEL as "conditionally acceptable", from 70 to 80 dBA L_{dn}/CNEL as "normally unacceptable", and a noise level of 80 dBA L_{dn}/CNEL or higher as "clearly unacceptable". The Noise Element also identifies the maximum interior noise levels generally considered acceptable for classrooms as 45 dBA L_{dn}/CNEL.

NOISE-LAND USE COMPATIBILITY MATRIX — FIGURE 6



Adapted from State of California—General Plan Guidelines, 2003 *(Appendix C); Governor's Office of Planning and Research*

Federal Transit Administration. The Federal Transit Administration (FTA) has identified vibration impact criteria for sensitive buildings, residences, and institutional land uses near rail transit and railroads, as indicated in Table 5, below.

TABLE 5
FTA Groundborne Vibration Impact Criteria

Land Use Category	Frequent Events[1]	Occasional Events[2]	Infrequent Events[3]
Category I: Buildings where vibration would interfere with interior operations	65 VdB[4]	65 VdB[4]	65 VdB[4]
Category II: Residences and buildings where people normally sleep	72 VdB	75 VdB	80 VdB
Category III: Institutional land uses with primarily daytime use	75 VdB	78 VdB	83 VdB

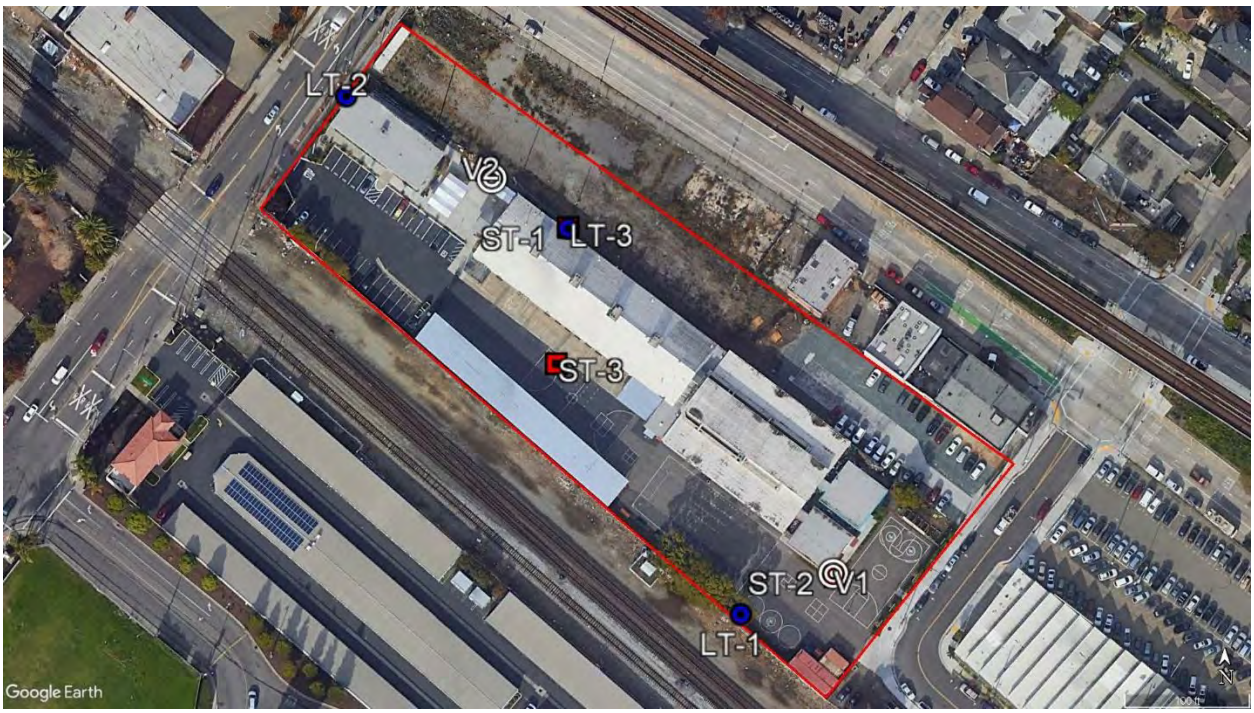
Notes:
1) More than 70 vibration events of the same source per day.
2) Between 30 and 70 vibration events of the same source per day.
3) Less than 30 vibration events of the same source per day.
4) This criterion is based on levels that are acceptable for most moderately sensitive equipment such as optical microscopes. Vibration sensitive manufacturing or research should always require detailed evaluation to define the acceptable vibration levels. Ensuring low vibration levels in a building requires special design of HVAC systems and stiffened floors.

Existing Noise Environment

The project site is at 1045 Derby Avenue in Oakland, California, and is bound by Derby Avenue to the southeast, Union Pacific Railroad (UPRR) tracks to the southwest, 29th Avenue to the northwest, and vacant land and unoccupied buildings to the northeast. E. 12th Street and Bay Area Rapid Transit (BART) tracks run parallel to the northeastern property line, across from the vacant land and unoccupied buildings.

A noise monitoring survey was performed to quantify and characterize ambient noise levels at the site between Wednesday, February 3, 2021 and Friday, February 5, 2021. The monitoring survey included three long-term noise measurements (LT-1, LT-2, and LT-3) and three short-term noise measurements (ST-1, ST-2, and ST-3), as shown in Figure 1. The noise environment at the site results primarily from BART, trains along UPRR tracks, and local traffic. Secondary noise sources include distant traffic along Interstate 880 (I-880), overhead aircraft, and neighboring commercial and industrial land uses.

FIGURE 1 Site Aerial and Noise and Vibration Measurement Location



Long-term noise measurement LT-1 was made near the southern corner of the project site, approximately 50 from the centerline of the nearest UPRR tracks. Hourly average noise levels typically ranged from 62 to 80 dBA L_{eq} during daytime hours, and from 52 to 79 dBA L_{eq} during nighttime hours. The day-night average noise level on Thursday, February 4, 2021 was 86 dBA L_{dn}.

Long-term noise measurement LT-2 was made near the northern corner of the project site, approximately 35 feet from the centerline of 29th Avenue and 175 feet from the centerline of E. 12th Street and BART tracks. Hourly average noise levels typically ranged from 70 to 76 dBA L_{eq} during the day, and from 60 to 78 dBA L_{eq} at night. The day-night average noise level on Thursday, February 4, 2021 was 84 dBA L_{dn}.

Long-term noise measurement LT-3 was made along the northeast façade of Building A-1, approximately 165 feet from the centerline of E. 12th Street and BART tracks. Hourly average noise levels typically ranged from 70 to 75 dBA L_{eq} during the day, and from 57 to 73 dBA L_{eq} at night. The day-night average noise level on Thursday, February 4, 2021 was 78 dBA L_{dn}. The daily trends in noise levels at all long-term locations are shown in Appendix A.

Short-term noise measurements were made over periods of 10-minutes, concurrent with the long-term noise data, on Wednesday, February 3, 2021 and Friday, February 5, 2021. ST-1 was made along the northeastern façade of Building A-1 on Wednesday, February 3, 2021 at 11:20 a.m. This measurement was made approximately 5 feet from LT-3 and included two consecutive 10-minute measurements. One measurement was conducted within the classroom, approximately 5 feet from the exterior window (ST-1a) and one measurement was conducted outside of the classroom,

approximately 5 feet from the exterior window (ST-1b). The calculated difference between the 10-minute L_{eq} at both measurements is the transmission loss provided by the exterior façade. Over a duration of two 10-minute measurements, this transmission loss was calculated as 33 dBA. The noise environment at this site was dominated by BART and vehicular traffic along E. 12th Street. Southbound BART trips generated noise levels between 80 to 86 dBA L_{max}, while northbound BART trips generated noise levels between 77 to 79 dBA L_{max}. Vehicular traffic along E. 12th Street typically generated noise levels between 60 to 65 dBA.

ST-2 was made near at the southern corner of Building A-5 on Friday, February 5, 2021 at 11:10 a.m. Ambient noise levels at ST-2 generally ranged from 52 to 53 dBA when train, BART, automobile, and aircraft activities were minimal. During these times, distant traffic along I-880 was audible. Due to the high level of variability in the noise environment, two 10-minute measurements were made. During the first measurement, primary noise sources included vehicular traffic on Derby Avenue and E. 12th Street, which generated noise levels between 53 to 60 dBA, overhead aircraft, which generated noise levels between 63 to 65 dBA, and BART, which generated noise levels between 70 to 74 dBA L_{max}. During the second noise measurement a northbound train on UPRR tracks generated noise levels between 64 to 78 dBA. The train horn generated noise levels up to 103 dBA L_{max}.

ST-3 was made at the proposed garden area near the center of the project site on Friday, February 5, 2021 at 11:30 a.m. Primary noise sources included vehicular traffic along 29th Avenue and E. 12th Street, which generally ranged between 51 to 55 dBA, overhead aircraft, which generally ranged between 52 to 57 dBA, and BART, which generally ranged between 60 to 67 dBA. All short-term measurement results are summarized in Table 6.

TABLE 6 Summary of Short-Term Noise Measurements (dBA)

Noise Measurement Location (Date and Time)	L_{max}	$L_{(1)}$	$L_{(10)}$	$L_{(50)}$	$L_{(90)}$	$L_{eq(10\text{-}min)}$
ST-1a: Inside Classroom along Northeast Façade (2/3/2021, 11:20-11:30 a.m.)	50	50	37	31	28	37
ST-1b: Outside Classroom along Northeast Façade (2/3/2021, 11:20-11:30 a.m.)	86	85	64	58	54	70
ST-2: South Corner of Existing Building (2/5/2021, 11:00-11:20 a.m.)[a]	73	72	63	55	52	60
	103	96	71	57	53	81
ST-3: Near Proposed Outdoor Play Area (2/5/2021, 11:30-11:40 a.m.)	65	63	56	53	51	54

[a] 10-minute measurements with UPRR train pass-by and without UPRR train pass-by

Vibration Monitoring Survey

Groundborne vibration at the site results primarily from UPRR train passbys, which occur approximately 24 times per day. UPRR trains were observed to pass the site at speeds ranging from 25 to 40 mph. BART trains pass the site on an elevated structure, which substantially reduces

the vibration levels transmitted to the ground.

Vibration measurements were made on Monday, February 4, 2021 from the south corner of the building nearest to the UPRR. Vibration data were obtained during two freight train passbys. The instrumentation used to make the vibration measurements included a Roland Solid State Recorder and seismic grade, low noise accelerometers firmly fixed to the ground. This system is capable of accurately measuring very low vibration levels. Vibration levels measured on the site are representative of vibration levels at ground level (i.e., vibration levels that would enter the building foundation).

Measurement location V-1 was 140 feet from the center of the UPRR tracks. Vibration levels measured at this location indicate that freight trains produced overall vibration levels ranging from 71 to 73 VdB.

Vibration measurements were attempted on the north side of the building (V-2) during BART passbys on the elevated structure. Vibration levels produced by BART trains were indistinguishable above background vibration levels and insignificant at the project site.

Preliminary Noise and Land Use Compatibility Assessment

The applicable General Plan policies were presented in detail in the Regulatory Background section and are summarized below:

- The Oakland General Plan specifies a 'normally acceptable' exterior noise level for school land uses of up to 60 dBA L_{dn}, a 'conditionally acceptable' exterior noise level of 60 to 70 dBA L_{dn}, a 'normally unacceptable' exterior noise level of 70 to 80 L_{dn}, and a 'clearly unacceptable' exterior noise level of 80 dBA L_{dn} or higher.

- The Oakland General Plan generally considers 45 dBA L_{dn} as the maximum interior noise level for classrooms.

- The 2019 Cal Green Code requires non-residential uses to maintain an interior noise environment attributable to exterior sources that does not exceed an hourly equivalent noise level ($L_{eq\ (1\text{-}hr)}$) of 50 dBA in occupied areas during any hour of operation.

- The CHPS Prerequisite criteria for exterior-to-interior noise intrusion for schools is 45 dBA L_{eq} or less indoors for core learning spaces. Enhanced Acoustics recommendations are 35 dBA L_{eq} or less indoors in core learning spaces, and 40 dBA L_{eq} or less indoors for ancillary learning or assembly spaces.

Future Exterior Noise Environment

Future exterior noise levels at the project site would continue to result primarily from local traffic, BART, and UPRR train activity. As described in the Existing Noise Environment section of this

letter, the noise environment at the site is anticipated to reach approximately 86 dBA L_{dn} along the southwest property line adjacent to UPRR railroad tracks, 84 dBA L_{dn} along the northwest property line adjacent to 29th Avenue, and 81 along the northeast property line. While traffic volumes in the site vicinity may increase as a result of the proposed project, noise levels are not anticipated to measurably increase due to the dominance of BART and UPRR train noise. Therefore, future exterior noise levels would remain approximately 86 dBA L_{dn} along the southwest property line adjacent to UPRR railroad tracks, 84 dBA L_{dn} along the northwest property line adjacent to 29th Avenue, and 81 dBA L_{dn} along the northeast property line.

Proposed outdoor uses include mini-soccer fields, basketball courts, a garden, and an outdoor learning area. The future exterior noise environment at these proposed uses would range from 78 to 84 dBA L_{dn}. The noise environment at these outdoor use areas would be considered normally unacceptable to clearly unacceptable as outlined in the Oakland General Plan.

Future Interior Noise Environment

Interior noise levels would vary depending upon the design of the building (relative window to wall area) and the selected construction materials and methods. Standard school construction typically provides approximately 15 dBA of exterior-to-interior noise reduction, assuming the windows are partially open for ventilation. Standard construction with the windows closed typically provides approximately 25 to 30 dBA of noise reduction in interior spaces. The measured transmission loss based on measurements at ST-1 reveal 33 dBA of noise reduction along the northeastern façade of Building A-1. It was assumed that the exterior-to-interior noise reduction of 33 dBA would be similar throughout all the school's exterior walls.

The future interior noise environment would range from approximately 45 dBA L_{dn} along the northeast building façade to 49 dBA L_{dn} along the southwest building façade, assuming all windows and doors are closed. For each BART train that passes along the elevated tracks, interior noise levels within classrooms along the northeastern façades of the buildings would range from 53 to 58 dBA L_{max} over a duration of approximately 20 to 30 seconds. Based on the BART schedule near the project site, this would typically occur between 12 to 14 times per hour. For each UPRR freight train that passes along the railroad tracks to the southwest of the project site, interior noise levels within classrooms along the southwestern façades of the buildings would range from 55 to 69 dBA L_{max} when the horn is used. Based on observations in the daily trends, this would occur as often as 2 to 3 times per hour.

The future interior noise environment would exceed 45 dBA L_{dn} within classrooms of the proposed project site. Sound events including BART trains and UPRR freight trains would frequently raise the interior noise environment to 53 to 69 dBA L_{max}. This would be considered incompatible with the Oakland General Plan and CHPS Prerequisite criteria for classrooms.

Preliminary Vibration and Land Use Compatibility Assessment

The FTA vibration impact assessment criteria were used to evaluate vibration levels produced by UPRR trains at the project site. The FTA vibration impact criteria are based on maximum overall levels for a single event. The criteria are established for frequent events (more than 70 events of

the same source per day), occasional events (30 to 70 vibration events of the same source per day), and infrequent events (less than 30 vibration events of the same source per day). The frequency of the UPRR trains passing the site are less than 30 trains per day, placing the level of train activity in the "infrequent events" category. Therefore, the applicable threshold is 83 VdB for institutional land uses with primarily daytime use.

Based on a review of the vibration data measured at V-1, which represented the nearest portion of the existing building to the railroad tracks, vibration levels would be at least 10 VdB below the 83 VdB threshold, ranging from 71 to 73 VdB at a distance 140 feet from the centerline of the railroad. Persons at rest may perceive the vibration; however, groundborne vibration levels would not exceed FTA thresholds and vibration controls are not required.

♦ ♦ ♦

This completes our preliminary assessment. We are available to discuss these results at your convenience.

Sincerely,

Michael S. Thill
Principal Consultant
Illingworth & Rodkin, Inc.

Appendix N

Kittelson Associates, Inc.

***EFC Derby Avenue Charter School Project Transportation Impact Review*, April 12, 2021**

EFC Derby Avenue Charter School Project Transportation Impact Review Draft Report

Oakland, California

Prepared For:
Lamphier-Gregory
1944 Embarcadero
Oakland, CA 94606

Prepared By:
Kittelson & Associates, Inc.
155 Grand Avenue, Suite 505
Oakland, California 94612
(510) 839-1742

Project Analyst: Andrew McIntyre
Project Manager: Aaron Elias
Project Principal: Laurence Lewis

KAI Project No. 24921

April 12, 2021

TABLE OF CONTENTS

1. INTRODUCTION 8

Project Summary 8

2. STUDY AREA DESCRIPTION 12

Roadway Network 12

Transit Facilities 13

Bicycle and Pedestrian Facilities 18

3. TRANSPORTATION ANALYSIS 23

Study Intersections and Data Collection 23

Analysis Methodologies & Level of Service Standards 27

Existing Conditions 29

Trip Generation 29

Trip Distribution/Assignment 30

Existing Plus Project Conditions 35

Congestion Management Program Compliance 39

Site Analysis 39

Crash History Analysis 47

At-Grade Railroad Crossing Safety Evaluation 49

Construction Impacts 54

4. TRANSPORTATION AND PARKING DEMAND MANAGEMENT PLAN 56

5. PARKING NEEDS ASSESSMENT 61

Parking Inventory & Data Collection 61

Parking Occupancy Analysis 62

Event Conditions Analysis **66**

6. CEQA ANALYSIS **69**

CEQA Significance Criteria **69**

Thresholds of Significance **70**

Consistency with Adopted Plans & Policies **70**

Vehicle-Miles Traveled Analysis **76**

CEQA Project Impacts & Proposed Mitigations **79**

7. CONCLUSION **83**

Overview **83**

Conditions of Approval & Mitigations **84**

LIST OF FIGURES

Figure 1-1: Proposed Site Plan 9
Figure 1-2: Project Parcels 10
Figure 2-1: Existing Transit Facilities 17
Figure 2-2: Existing & Proposed Bike Facilities 20
Figure 3-1: Study Intersections 24
Figure 3-2: Existing AM Peak Hour Volumes 25
Figure 3-3: Existing PM Peak Hour Volumes 26
Figure 3-4: Trip Distribution 32
Figure 3-5: Project Only AM Peak Hour Volumes 33
Figure 3-6: Project Only PM Peak Hour Volumes 34
Figure 3-7: Existing Plus Project AM Peak Hour Volumes 37
Figure 3-8: Existing Plus Project PM Peak Hour Volumes 38
Figure 3-9: Proposed Vehicle Circulation 43
Figure 3-11: At-Grade Railroad Crossings 51
Figure 5-1: Parking Occupancy Rate by Time of Day 63
Figure 5-2: Parking Data Collection Corridors 64

LIST OF TABLES

Table 2-1: AC Transit Routes 14

Table 3-1: Study Intersections 23

Table 3-2: Study Intersection Data Collection 27

Table 3-3: General Level of Service Definitions 28

Table 3-4: Intersection Level of Service Definitions 28

Table 3-5: Existing AM and PM Level of Service 29

Table 3-6: Trip Generation Rates 30

Table 3-7: Trip Generation 30

Table 3-8: Existing vs. Existing Plus Project Conditions - AM Peak Hour 35

Table 3-9: Existing vs. Existing Plus Project Conditions - PM Peak Hour 36

Table 3-10: Pedestrian Transit Stop Access 44

Table 3-11: Total Crashes by Type (2015-2019) 48

Table 3-12: Crashes by Severity and Intersection (2015-2019) 49

Table 3-13: Crashes by Primary Collision Factor (2015-2019) 49

Table 3-14: Existing At-Grade Railroad Crossings in the Study Area 52

Table 4-1: TDM Measures and Estimated Vehicle Trip Reduction Rate 59

Table 5-1: Estimate Parking Demand for During School Day 61

Table 5-2: Parking Inventory 61

Table 5-3: Parking Occupancy Summary 65

Table 5-4 :Potential Special Events 66

Table 6-1: VMT Screening Analysis 76

Table 6-2: VMT Screening Results 77

Table 6-3: Daily VMT Per Student by School Location 78

APPENDICES

Appendix A: Traffic Count Data

Appendix B: Existing Conditions Vistro LOS Worksheets

Appendix C: Existing Plus Project Conditions Vistro LOS Worksheets

Appendix D: SWITRS Collision Records

Appendix E: Transportation and Parking Demand Management Measures

Appendix F: Temporary Traffic Control Plans

Appendix G: VMT Analysis

KITTELSON & ASSOCIATES
155 GRAND AVENUE, SUITE 900
OAKLAND, CA 94612
P 510.839.1742 F 510.839.0871

Section 1 Introduction

1. INTRODUCTION

This report presents the findings of the transportation impact review conducted for the proposed Education for Change Public Schools (EFC) charter high school, Latitude High School, located at 1045 Derby Avenue in Oakland, California ("Project").

This study analyzes the transportation effects of the Project, including:

- Trip generation and distribution for the proposed high school
- Traffic operations analysis for six intersections surrounding the Project location
- Active transportation facilities and transit access
- Crash history analysis, utilizing the latest five-year crash dataset from the Statewide Integrated Traffic Records System (SWITRS)
- At-grade railroad crossing safety evaluation
- Transportation and parking demand management
- Parking needs assessment and existing conditions
- Impacts in relation to CEQA regulations, including Vehicle Miles Traveled (VMT)

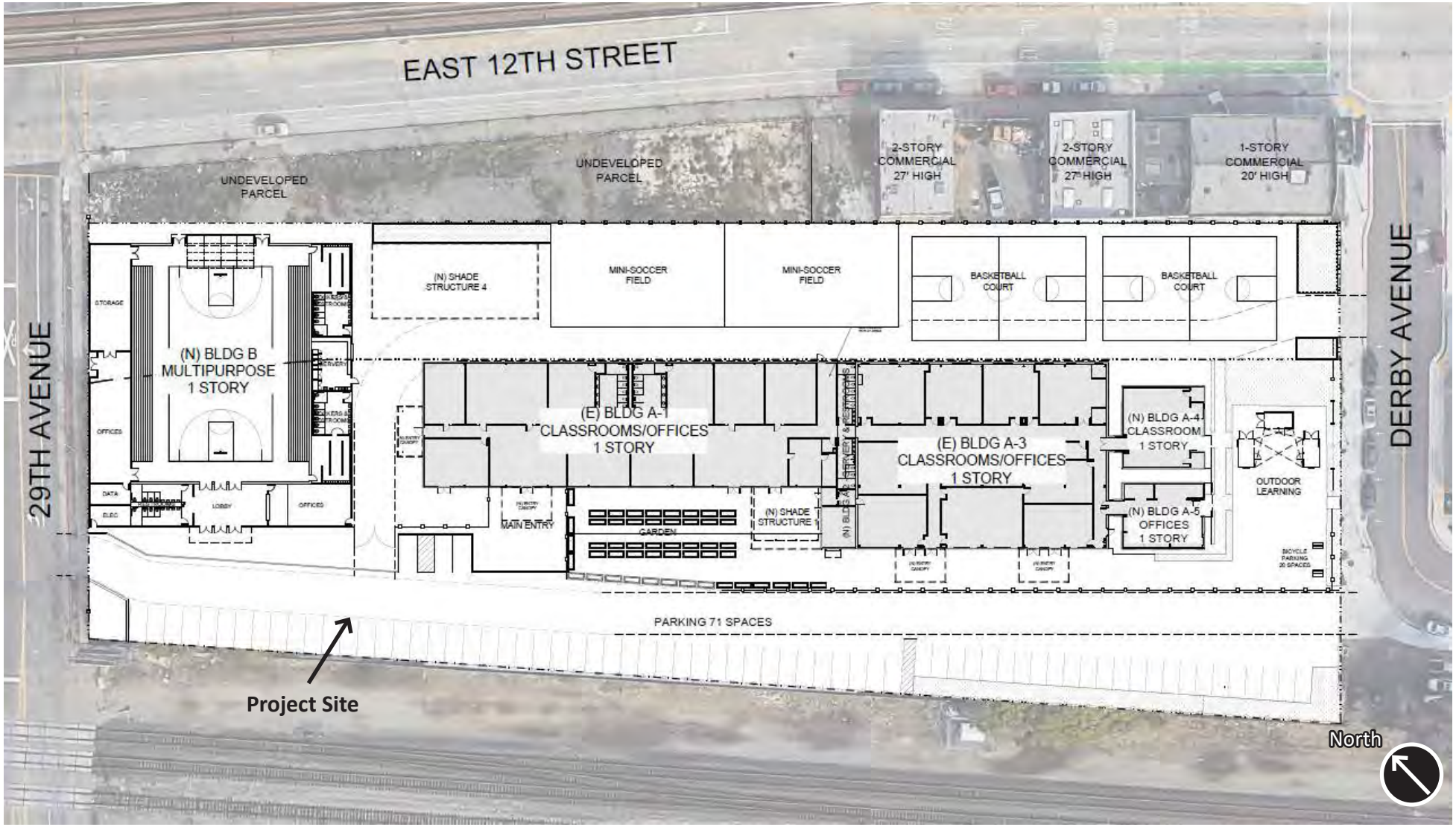
PROJECT SUMMARY

The Project is a charter high school located at 1045 Derby Avenue in Oakland, California, which previously operated as Epic Middle School from August 2014 to August 2019. EFC, the project sponsor, is applying to legalize the building and all improvements for a public charter high school, Latitude High School, which will serve up to 400 students grades 9-12 and 29 staff. Latitude High School is currently operating from Building D at Merritt Community College, located at 12500 Campus Drive in Oakland, approximately 4.5 miles northeast of the Project site.

Figure 1-1 shows the proposed site plan[1] of the Project and Figure 1-2 provides the parcels encompassing the Project. The Project site includes the existing school campus located at 1045 Derby Avenue (Parcel number 25-693-7-2), as well as the parcel immediately north, referred to as "0 29th Avenue" by the Alameda County Assessor's Office (Parcel number 25-693-8). The school campus would encompass a total land area of 133,757 square feet. The building footprint is 44,915 square feet plus 3,880 square feet of shade structures.

The site plan shows a total of 71 vehicle parking spaces (68 full-size spaces and 3 ADA spaces), located on the southern portion of the campus.

[1] This site plan shows phase 2 of the Project and represents the buildout. The primary difference between phase 2 and phase 1 is the construction of the 17,500 square foot multipurpose building B. This building would replace an existing building of 2,511 square feet which would be used as offices and a servery in phase 1. This site plan is dated 8/17/2020.

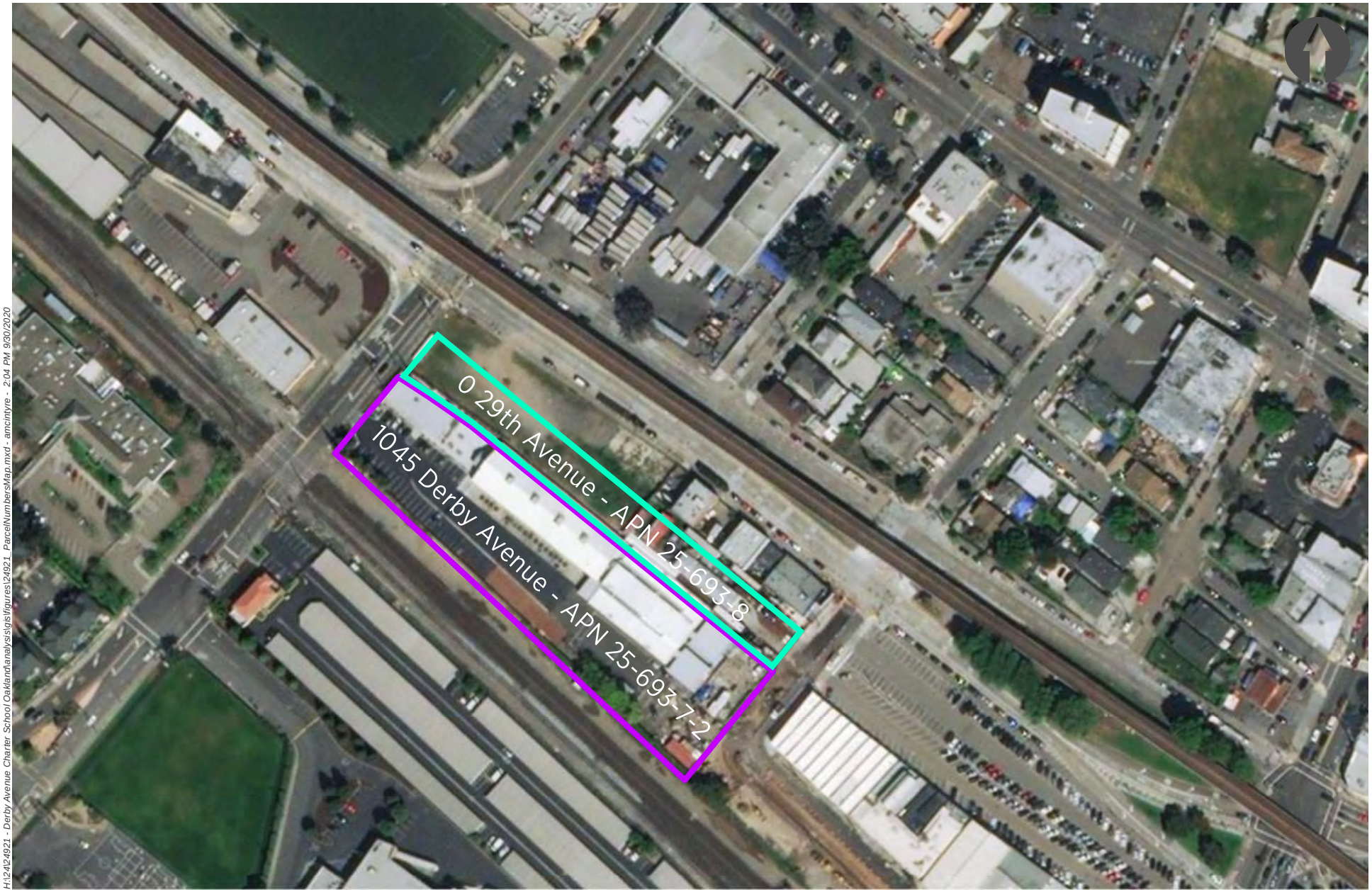


Proposed Site Plan
Oakland, California

Figure **1.1**

KITTELSON & ASSOCIATES

Data Source: EFC; Artik Art and Architecture



H:\24\24921 - Derby Avenue Charter School Oakland\analysis\gis\figures\24921_ParcelNumbersMap.mxd - amcintyre - 2:04 PM 9/30/2020

Project Parcels
Oakland, California

Figure
1.2

KITTELSON & ASSOCIATES

Coordinate System: NAD 1983 StatePlane California IV FIPS 0404 Feet
Data Source: City of Oakland; Alameda County Assessor's Office

Section 2 Study Area Description

2. STUDY AREA DESCRIPTION

The study area for this Transportation Impact Review includes roadways within approximately 0.25 mile from the Project site. The following section describes the existing conditions of the study area, including roadway, transit, bicycle, and pedestrian networks.

ROADWAY NETWORK

The roadway network surrounding the Project site consists of freeways, arterials, collectors, and local roadways. The following describes the major roads within the study area.

Freeways

Interstate 880 (I-880), also known as Nimitz Freeway, is a major north-south freeway that runs for approximately 46 miles from I-280 and SR-17 in San Jose to I-80 and I-580 in Oakland. The interchanges at 29th Avenue and 42nd Avenue serve the Project site. There is also an additional eastbound off ramp to Fruitvale Avenue but not a full interchange at this location.

Arterials

E 12th Street is a four-lane divided arterial roadway with a posted speed limit of 35 miles per hour. E 12th Street runs from Lake Merritt Boulevard to 54th Avenue. The corridor is divided by a raised median and elevated BART track. Sidewalks are generally present along E 12th Street except for a short stretch on the roadway's south side, from Derby Avenue to Fruitvale Avenue, where paved asphalt and wheel stops provide a pedestrian path of travel within the BART parking lot. Class 2 bicycle facilities are present on both sides of the street.

On-street parking is allowed on the north side of the roadway east of 30th Avenue, except for the first and third Fridays of each month between 9:00 a.m. and 12:00 p.m. Parking is generally allowed on the south side of the roadway west of 29th Avenue. However, parking is restricted between 29th Avenue and Derby Avenue during school days between 7:00 a.m. and 4:00 p.m.; parking is also restricted between Derby Avenue and Fruitvale Avenue on the second and fourth Tuesdays of each month between 9:00 a.m. and 12:00 p.m.

Fruitvale Avenue is a four-lane arterial roadway with a posted speed limit of 25 miles per hour. Sidewalks and bicycle facilities are present are both sides of the street. Class 2 bicycle facilities exist from Alameda Avenue to E 12th Street and Class 3 facilities exist north of E 12th Street. An at-grade railroad crossing is present just south of E 10th Street, near the Project site. On-street metered parking is available north of E 12th Street on both sides of the street.

International Boulevard is a four-lane arterial roadway with a posted speed limit of 25-30 miles per hour. A raised median divides the roadway for much of its length near the Project site. The inside lanes in each direction are bus-only lanes for AC Transit's Tempo bus rapid transit service. Sidewalks are present on

both sides of the street; no bicycle facilities are present. On-street metered parking is generally available on both sides.

San Leandro Street is a four-lane arterial roadway with a posted speed limit of 30 miles per hour. San Leandro becomes E 10th Street west of Fruitvale Avenue. Sidewalks are present on both sides of the street; there are no bicycle facilities near the Project site. On-street parking is allowed on both sides of the street; however, parking is restricted on the south side on Sundays from 9:00 a.m. to 12:00 p.m. and on the north side on the first and third Wednesdays of the month from 12:30 p.m. to 3:30 p.m.

Collectors

29th Avenue is a collector roadway with a posted speed limit of 25 miles per hour. 29th Avenue has two lanes in each direction south of E 12th Street; north of E 12th Street, the roadway reduces to one lane in each direction. Sidewalks are present on both sides of the street, except for at the at-grade railroad crossing just south of the Project driveway. Class 2 bicycle lanes are present south of E 10th Street.

On-street parking is allowed north of E 12th Street; however, parking is restricted on the east side on the first and third Wednesdays of the month from 12:30 p.m. to 3:30 p.m. and on the west side on the first and 3rd Fridays of the month from 9:00 a.m. to 12:00 p.m. Parking is also limited to 12 minutes from 6:00 a.m. to 5:00 p.m. on the west side between E 12th Street and International Boulevard (adjacent to Think College Now and Cesar Chavez Soccer Field).

Local Roads

Derby Avenue and **E 10th Street** are two local roads that directly serve the Project site. They are both two-lane roadways with posted speed limits of 25 miles per hour. Sidewalks are present along both sides of the street. No bicycle facilities are present.

On-street parking is allowed on both sides of Derby Avenue and E 10th Street; however, parking is restricted on Derby Avenue north of E 12th Street at certain times (on the east side on the first and third Wednesdays of each month from 12:30 p.m. to 3:30 p.m. and on the west side on the first and third Fridays of each month from 9:00 a.m. to 12:00 p.m.).

TRANSIT FACILITIES

The Project area is served by Alameda-Contra Costa Transit District (AC Transit) and Bay Area Rapid Transit (BART). Figure 2-1 provides the locations of routes and stops serving the Project site.

Alameda-Contra Costa Transit (AC Transit)

AC Transit provides local fixed-route service, bus rapid transit, regional “transbay” service, and school service for the East Bay and greater Bay area. AC Transit operates 158 bus lines and maintains approximately 5,400 bus stops. Twelve routes directly serve the area surrounding the Project, including

one bus rapid transit line, eight local lines, one "Early Bird" line, one "All Nighter" line, and one "Transbay" line. Table 2-1 provides a description of routes serving the Project site.

Table 2-1: AC Transit Routes

Route	Route Type	Serving	Day	Times		Frequency
1T	*Tempo* (BRT)	Runs between 19th Street BART/Uptown Transit Center and San Leandro BART station, via International Boulevard.	Weekday	24 hours		Every 10-15 minutes (6 a.m. – 12 a.m.) Hourly (12 a.m. – 6 a.m.)
			Weekend	24 hours		Every 10-15 minutes (6 a.m. – 12 a.m.) Every 30 minutes (12 a.m. – 6 a.m.)
14	Local Line	West Oakland BART to Fruitvale BART via Wood St., 14th St., E 18th St., E 21st St., School St., MacArthur Blvd., and High St.	Weekday	5:00 a.m.	11:30 p.m.	Every 17 minutes (6 a.m. – 9 p.m.) Every 20 minutes (9 p.m.-11:30 p.m.)
			Weekend	6:30 a.m.	11:30 p.m.	Every 30 minutes
19	Local Line	From Downtown Oakland to Fruitvale BART via the Webster/Posey tubes, Marina Village Pkwy., Atlantic Ave., Buena Vista Ave., Alameda Bridgeside Center, and Fruitvale Ave.	Weekday	5:30 a.m.	10:30 p.m.	Hourly
			Weekend	6:00 a.m.	11:00 p.m.	Hourly
20	Local Line	Dimond District, Oakland, to downtown Oakland via Fruitvale Ave., Fruitvale BART, Park St., Alameda Towne Centre, Shoreline Dr., Grand St., Otis Dr., Westline Dr., Central Ave. and Webster St.	Weekday	5:00 a.m.	12:30 a.m.	Every 30 minutes
			Weekend	5:00 a.m.	12:30 a.m.	Every 30 minutes
21	Local Line	Dimond District, Oakland, to Oakland Airport via Fruitvale Ave., Fruitvale BART, Park St., Alameda Towne Centre,	Weekday	6:00 a.m.	10:30 p.m.	Every 30 minutes
			Weekend	7:15 a.m.	10:00 p.m.	Every 30 minutes

Route	Route Type	Serving	Day	Times		Frequency
		and Bay Farm Island.				
39	Local Line	Fruitvale BART to Skyline High School via Fruitvale Ave., Lincoln Ave., and Joaquin Miller Rd.	Weekday	6:30 a.m.	8:00 p.m.	Every hour[2]
51A	Local Line	Rockridge BART to Fruitvale BART via College Ave., Broadway (Oakland), Webster St., Santa Clara Ave., and Broadway (Alameda).	Weekday	5:00 a.m.	12:30 a.m.	Every 10-12 minutes (5 a.m. – 8:30 p.m.) Every 20 minutes (8:30 p.m. – 12:30 a.m.)
			Weekend	5:30 a.m.	12:45 a.m.	Every 20 minutes (5:30 a.m. – 8 a.m. 5:30 p.m. – 12:45 a.m.) Every 15 minutes (8 a.m. – 5:30 p.m.)
54	Local Line	Fruitvale BART to Merritt College via 35th Ave. and Redwood Rd.	Weekday	6:00 a.m.	10:30 p.m.	Every 15 minutes
			Weekend	7:30 a.m.	7:45 p.m.	Every 30 minutes
62	Local Line	West Oakland BART to Fruitvale BART via 7th St., E 10th St., 8th Ave., Highland Hospital and 23rd Ave.	Weekday	6:00 a.m.	12:45 a.m.	Every 20 minutes
			Weekend	6:15 a.m.	12:45 a.m.	Every 30 minutes
706	Early Bird Line	Bay Fair BART to Salesforce Transit Center, San Francisco via Fruitvale BART.	Weekday	4:00 a.m.	4:00 a.m.	1 route daily
851	All Nighter Line	Downtown Berkeley to Fruitvale BART via Southside Berkeley (UC campus), College Ave., Broadway, downtown Oakland, Webster St., Santa Clara Ave., Broadway, and Fruitvale Ave.	Weekday	12:15 a.m.	5:00 a.m.	Hourly
			Weekend	12:15 a.m.	5:00 a.m.	Hourly

[2] More frequent stops during school pick-up/drop-off times

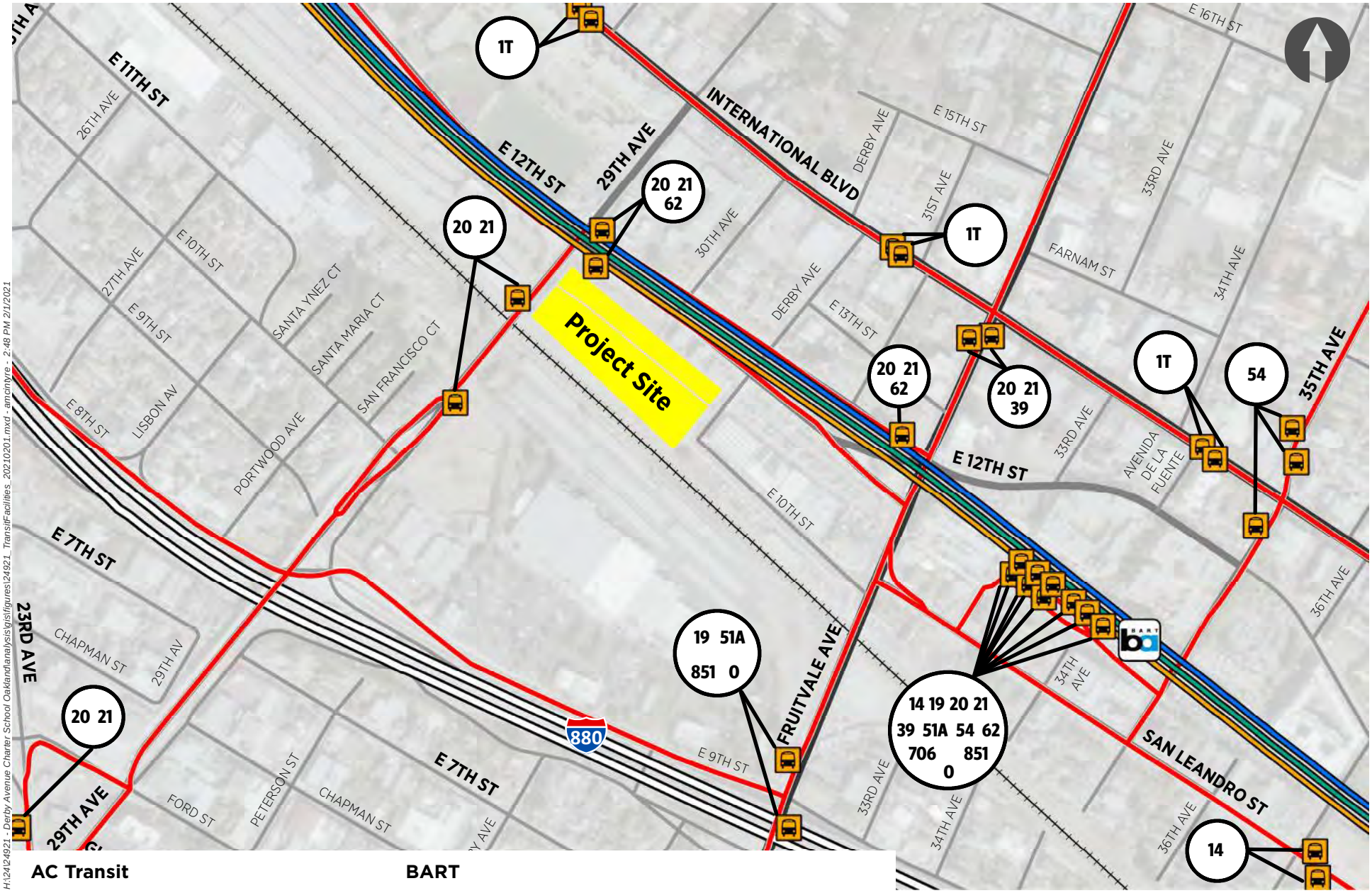
Route	Route Type	Serving	Day	Times		Frequency
O	Transbay Line	Fruitvale BART to Salesforce Transit Center, San Francisco, via Fruitvale Bridge, Fernside Blvd., High St., Encinal Ave., Broadway, Santa Clara Ave. and Webster St.	Weekday	5:00 a.m.	9:45 p.m.	Every 30 minutes
			Weekend	5:00 a.m.	10:30 p.m.	Every 30 minutes

Source: actransit.org; Schedules as of August 9, 2020

Bay Area Rapid Transit (BART)

BART is a heavy-rail public transit system that connects the San Francisco Peninsula with cities across the East Bay. BART operates 131 miles of track and 50 stations and averages approximately 405,000 trips per weekday.

Three BART lines serve the area surrounding the Project site: the Blue Line, which runs between Dublin/Pleasanton and Daly City; the Orange Line, which runs between Berryessa/North San José and Richmond; and the Green Line, which runs between Berryessa/North San José and Daly City. These lines stop at Fruitvale Station, located near 35th Avenue and Oscar Grant III Way. The station also includes a Park and Ride facility, parking lot, and bicycle station/parking service. Currently, September 2020, BART service hours are 5 a.m. – 9 p.m. on weekdays and 8 a.m. – 9 p.m. on weekends. Weekday service runs every 30 minutes, Saturday service runs every 20 minutes, and Sunday service runs every 24 minutes.



H:\24\24921 - Derby Avenue Charter School Oakland\analysis\gis\figures\24921_TransitFacilities_20210201.mxd - amcintyre - 2:48 PM 2/1/2021

AC Transit

- AC Transit Route
- Bus Stop
- # Route(s) served by stop

BART

- Dublin/Pleasanton - Daly City Line
- Berryessa/North San Jose - Richmond Line
- Berryessa/North San Jose - Daly City Line
- Fruitvale Station

KITTELSON & ASSOCIATES

Existing Transit Facilities
Oakland, California

Figure **2.1**

Coordinate System: NAD 1983 StatePlane California IV FIPS 0404 Feet
Data Source: City of Oakland; Alameda County; AC Transit; BART

BICYCLE AND PEDESTRIAN FACILITIES

Access to bicycle and pedestrian facilities is a critical component of the transportation network surrounding the school. These facilities offer non-vehicular options for commuting and recreational uses, as well as connections to local and regional transit.

Bicycle facilities are classified as one of the following types consistent with Oakland's Bikeway Network[3]:

> **Class 1 Bike Paths** are paved rights-of-way completely separated from streets. Bike paths are often located along waterfronts, creeks, railroad rights-of-way or freeways with a limited number of cross streets and driveways. These paths are typically shared with pedestrians and often called mixed-use paths.
>
> **Class 2 Bike Lanes** are on-street facilities designated for bicyclists using stripes and stencils. Bike lanes are the preferred treatment for all arterial and collector streets on the bikeway network, and not typically installed on low-volume, low-speed residential streets.
>
> **Class 2B Buffered Bike Lanes** include buffer striping to provide greater separation between bicyclists and parked or moving vehicles.
>
> **Class 3 Bike Routes** are streets designated for bicycle travel and shared with motor vehicles. Streets are designated as bike routes because they are suitable for sharing with motor vehicles and/or provide better (or needed) connectivity than other streets. Routes are marked with signs and/or pavement markings.
>
> **Class 3B Neighborhood Bike Routes (aka Bike Boulevards)** are bike routes on residential streets that prioritize through trips for bicyclists. Traffic calming is included as needed to discourage drivers from using the street as a through route and to keep streets comfortable for bicyclists. Oakland's Bike Boulevards are marked with shared lane bicycle markings (aka "sharrows") and signage.
>
> **Class 4 Protected Bike Lanes,** also known as cycle tracks, provide space that is for bicyclists and separated from motor vehicle travel lanes, parking lanes, and sidewalks. Parked cars, curbs, bollards, or planter boxes provide physical separation between bicyclists and moving cars. Where on-street parking is allowed, it is placed between the bikeway and the travel lanes (rather than between the bikeway and the sidewalk, as is typical for Class 2 bike lanes). Phase 1 of the Telegraph Ave Complete Streets Implementation Plan constructed the first parking-protected bike lane in Oakland in May 2016.

Existing and Proposed Bicycle Facilities

The following bicycle facilities are located within 0.25-mile of the Project site[4]:

- Class 2 bike lanes on 29th Avenue, between Ford Street and E 10th Street

[3] https://www.oaklandca.gov/resources/bikeway-types
[4] The description includes the segment limits for each facility within 0.25-mile of the Project site and is not limited to the section within 0.25-mile of the Project site.

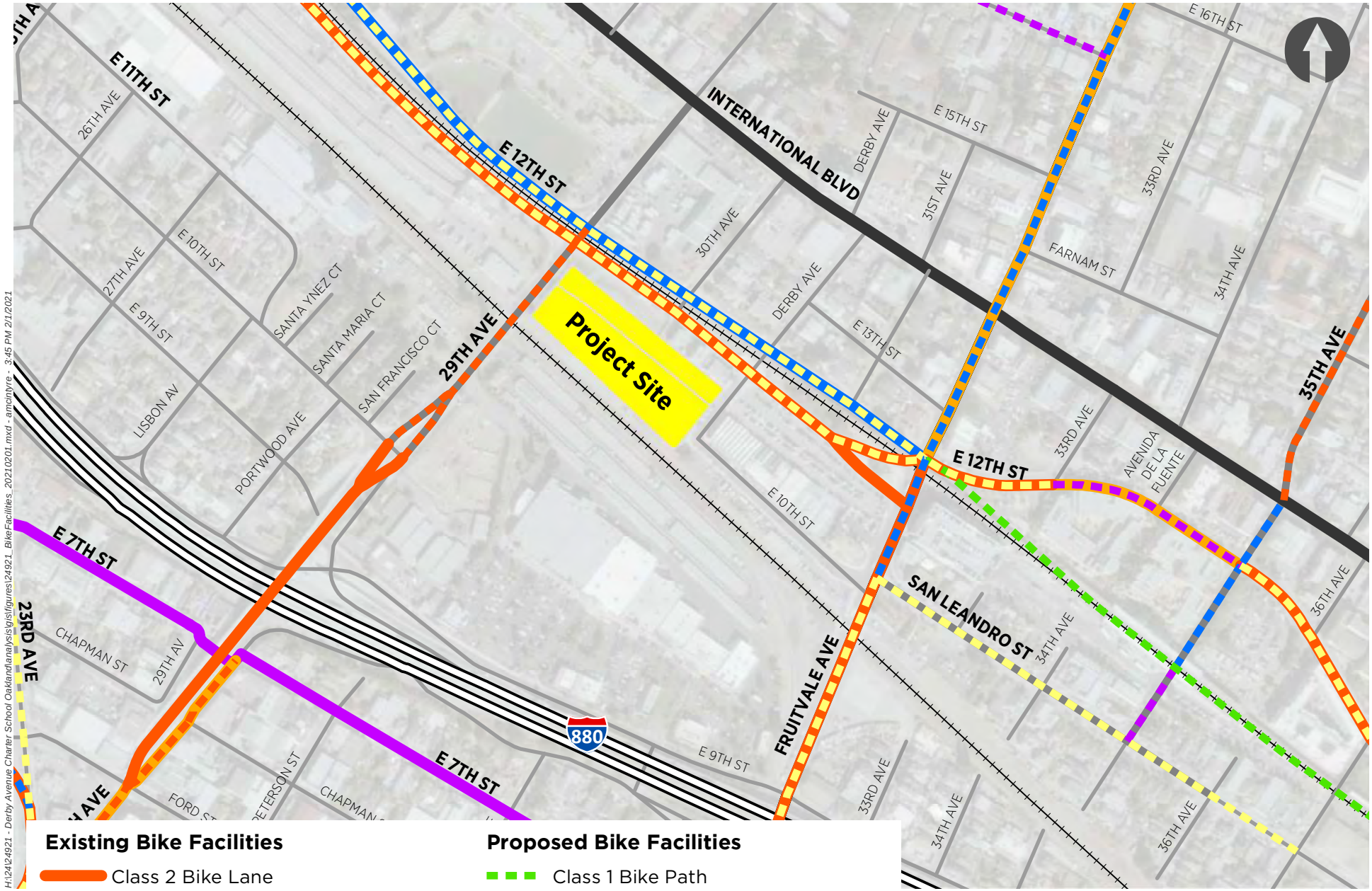
- Class 2 bike lanes on E 12th Street, between 35th Avenue and 40th Avenue
- Class 2 bike lanes on E 12th Street (eastbound), between 19th Avenue and Fruitvale Avenue
- Class 2B buffered bike lanes on E 12th Street (westbound), between 19th Avenue and Fruitvale Avenue
- Class 2 bike lanes on Fruitvale Avenue, between 8th Street and E 12th Street
- Class 3 bike route on Fruitvale Avenue, between E 12th Street and Foothill Boulevard where it transitions to a Class 2 facility and continues north
- Class 3 bike route on E 12th Street, between Fruitvale Avenue and 35th Avenue

Oakland's 2019 Bike Plan, *Let's Bike Oakland!,* proposes the following bicycle facilities within 0.25-mile of the Project site[5]:

- Class 1 bike path along the BART tracks (aligned with the planned East Bay Greenway), between 35th Avenue and 75th Avenue, and between 85th and the City Limits at the City of San Leandro.
- Class 2 bike lanes on 29th Avenue, between E 10th Street and E 12th Street
- Class 2B buffered bike lanes on Fruitvale Avenue, between E 10th Street/San Leandro Street and Interstate 580
- Class 3B neighborhood bike route on E 12th Street, between 33rd Avenue and 35th Avenue
- Class 3B neighborhood bike route on 35th Avenue, between E 12th Street and Fruitvale BART driveway
- Class 4 protected bike lanes on E 12th Street, between 19th Avenue and Fruitvale Avenue
- Class 4 protected bike lanes on E 12th Street, between Fruitvale Avenue and 33rd Avenue
- Class 1 bike path on Fruitvale Avenue, between Alameda Avenue and E 10th Street/San Leandro Street
- Class 4 separated bike lanes on E 12th Street, between Fruitvale Avenue and 33rd Avenue
- Class 4 protected bike lanes on San Leandro Street, between Fruitvale Avenue and 37th Avenue

Figure 2-2 provides the locations of existing and proposed bicycle facilities surrounding the Project site.

[5] The description includes the segment limits for each facility within 0.25-mile of the Project site and is not limited to the section within 0.25-mile of the Project site.



Existing Bike Facilities

- Class 2 Bike Lane
- Class 2B Buffered Bike Lane
- Class 3 Bike Route
- Class 3B Neighborhood Bike Route

Proposed Bike Facilities

- Class 1 Bike Path
- Class 2 Bike Lane
- Class 2B Buffered Bike Lane
- Class 3B Neighborhood Bike Route
- Class 4 Separated Bike Lanes

KITTELSON & ASSOCIATES

Existing & Proposed Bike Facilities
Oakland, California

Figure **2.2**

Coordinate System: NAD 1983 StatePlane California IV FIPS 0404 Feet
Data Source: City of Oakland; Alameda County

H:\24\24921 - Derby Avenue Charter School Oakland\analysis\gis\figures\24921_BikeFacilities_20210201.mxd - amcintyre - 3:45 PM 2/1/2021

Existing and Proposed Pedestrian Facilities

Sidewalks are generally provided along roadways in the immediate vicinity of the Project site. Notable exceptions include the south side of E 12th Street between Derby Avenue and Fruitvale Avenue where pedestrians would have to walk through the paved asphalt of the BART parking lot and along both sides of 29th Avenue at the railroad crossing south of the Project driveway. Marked crosswalks are present at all signalized intersections, as well as to cross Fruitvale Avenue at E 13th Street.

Oakland's 2017 Pedestrian Plan, *Oakland Walks!*, identifies high injury corridors and intersections throughout the city, including the following high priority corridors and intersections and high speed corridors, respectively, in the vicinity of the Project:

- Fruitvale Avenue, between Alameda Avenue and E 16th Street
- International Boulevard, between 16th Avenue and 28th Avenue, and between High Street and Fruitvale Avenue
- International Boulevard and 35th Avenue

Oakland Walks! also includes projects to improve the safety of these corridors, including the following recommendation near the Project:

- Fruitvale Avenue, between Alameda Avenue and E 16th Street
    - Fruitvale Alive Project, widened sidewalks, high visibility crosswalks, bulbouts, improved pavement, lighting, and pedestrian signal upgrades
    - Funding allocated from Highway Safety Improvement Program (HSIP) and Safe Routes to School Program

KITTELSON & ASSOCIATES
155 GRAND AVENUE, SUITE 900
OAKLAND, CA 94612
P 510.839.1742 F 510.839.0871

Section 3 Transportation Analysis

3. TRANSPORTATION ANALYSIS

STUDY INTERSECTIONS AND DATA COLLECTION

Six intersections in the immediate vicinity of the Project site were identified as study intersections based on discussions with City of Oakland staff. Table 3-1 lists the study intersections and control types. Figure 3-1 shows the study intersections in relation to the Project site.

Table 3-1: Study Intersections

Intersection Number	Intersection Location	Intersection Control
1	E 12th Street & 29th Avenue	Signalized
2	E 12th Street & Derby Avenue	Signalized
3	E 12th Street & Fruitvale Avenue	Signalized
4	E 10th Street & Fruitvale Avenue	Signalized
5	29th Avenue & Project Driveway	One-Way Stop Controlled
6	E 10th Street & Derby Avenue	One-Way Stop Controlled

Notes: OWSC = One-Way Stop Control. The E 10th Street & Derby Avenue intersection operates as a yield control intersection with vehicles entering the site yielding to vehicles continuing on E 10th Street-Derby Avenue.

Due to atypical travel patterns resulting from the COVID-19 pandemic, this study primarily relies on historical volume data from 2018 and 2019 for traffic operations analysis. To supplement the existing historical data, multimodal intersection turning movement volumes were collected for the signalized study intersections on Tuesday, August 18, 2020 between 7:00 a.m. and 9:00 a.m. and between 4:00 p.m. and 6:00 p.m., as these time periods represent the peak hour of the surrounding street network and coincide with the school's morning drop-off period (7:30-8:30 a.m.) and overlap with the afternoon pick-up period and after school programs (3:45-5:45 p.m.).

Turning volumes were developed for the two, one-way stop-controlled project driveway intersections using the existing adjacent counts. For example, the southbound through movements at the 29th Avenue & Project Driveway intersection (Intersection #5) were calculated by summing westbound left, eastbound right, and southbound through movements (the southbound departure volume) from the adjacent E 12th Street & 29th Avenue intersection (Intersection #1). Since the uses at the "29th Avenue" site is no longer active, it was assumed that no turning movements into the property were made under existing conditions and the eastbound approach volumes would be zero. Table 3-2 outlines the available and collected data for each study intersection. Figure 3-2 and Figure 3-3 show the vehicle turning movement volumes used for existing conditions analysis. The raw turning movement count data are provided in Appendix A.

H:\24\24921 - Derby Avenue Charter School Oakland\analysis\gis\figures\24921_StudyIntersections_3_20210201.mxd - amcintyre - 2:47 PM 2/1/2021

Study Intersections

Signalized

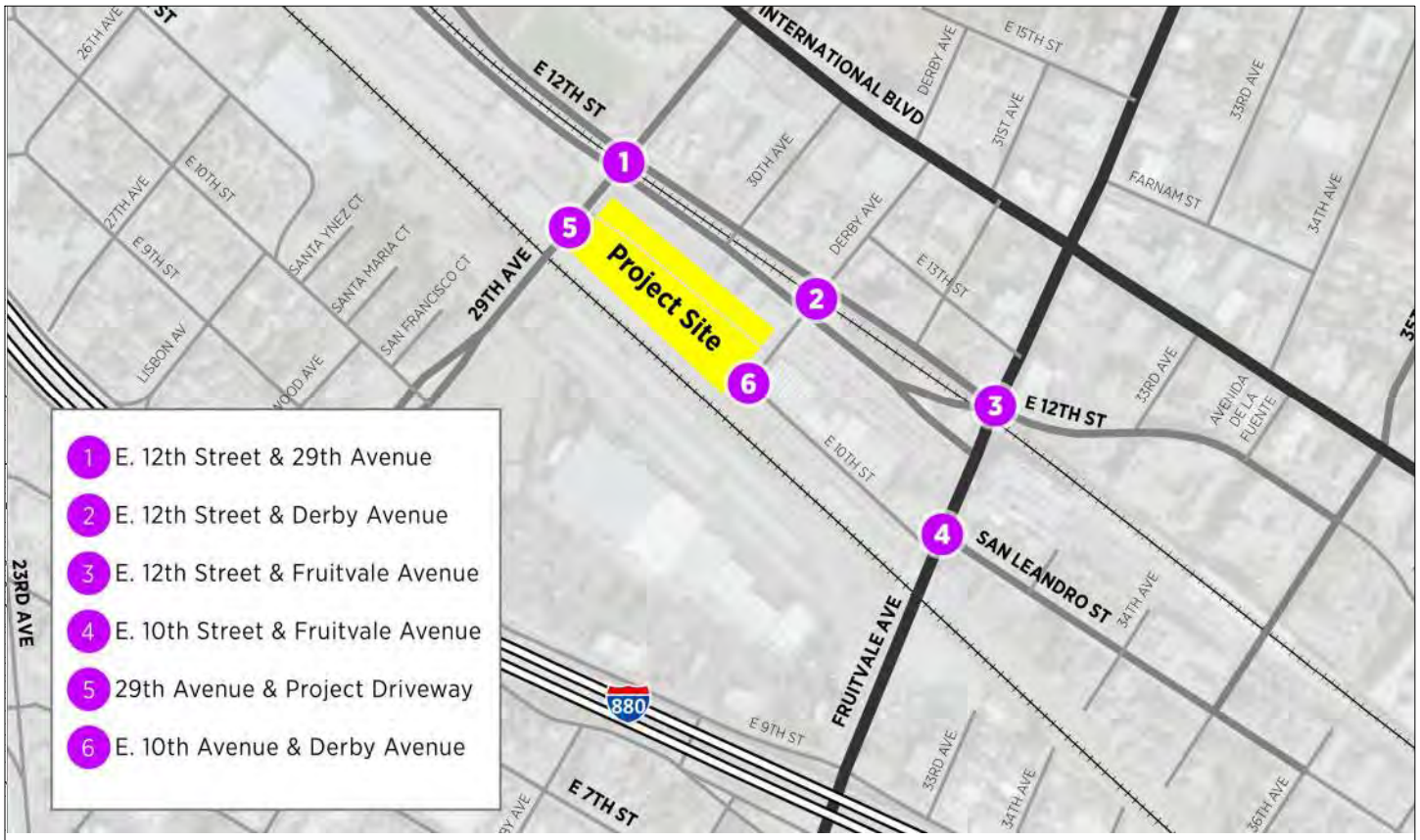
Unsignalized

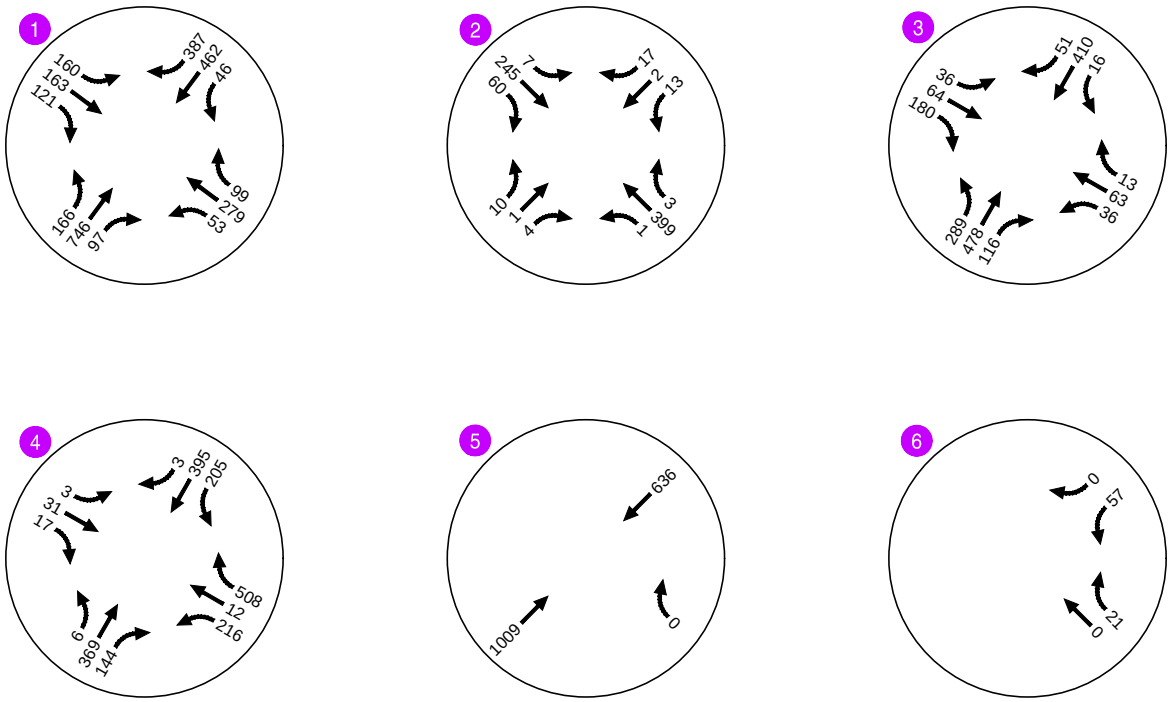
Study Intersections
Oakland, California

Figure
3.1

KITTELSON & ASSOCIATES

Coordinate System: NAD 1983 StatePlane California IV FIPS 0404 Feet
Data Source: City of Oakland; Alameda County





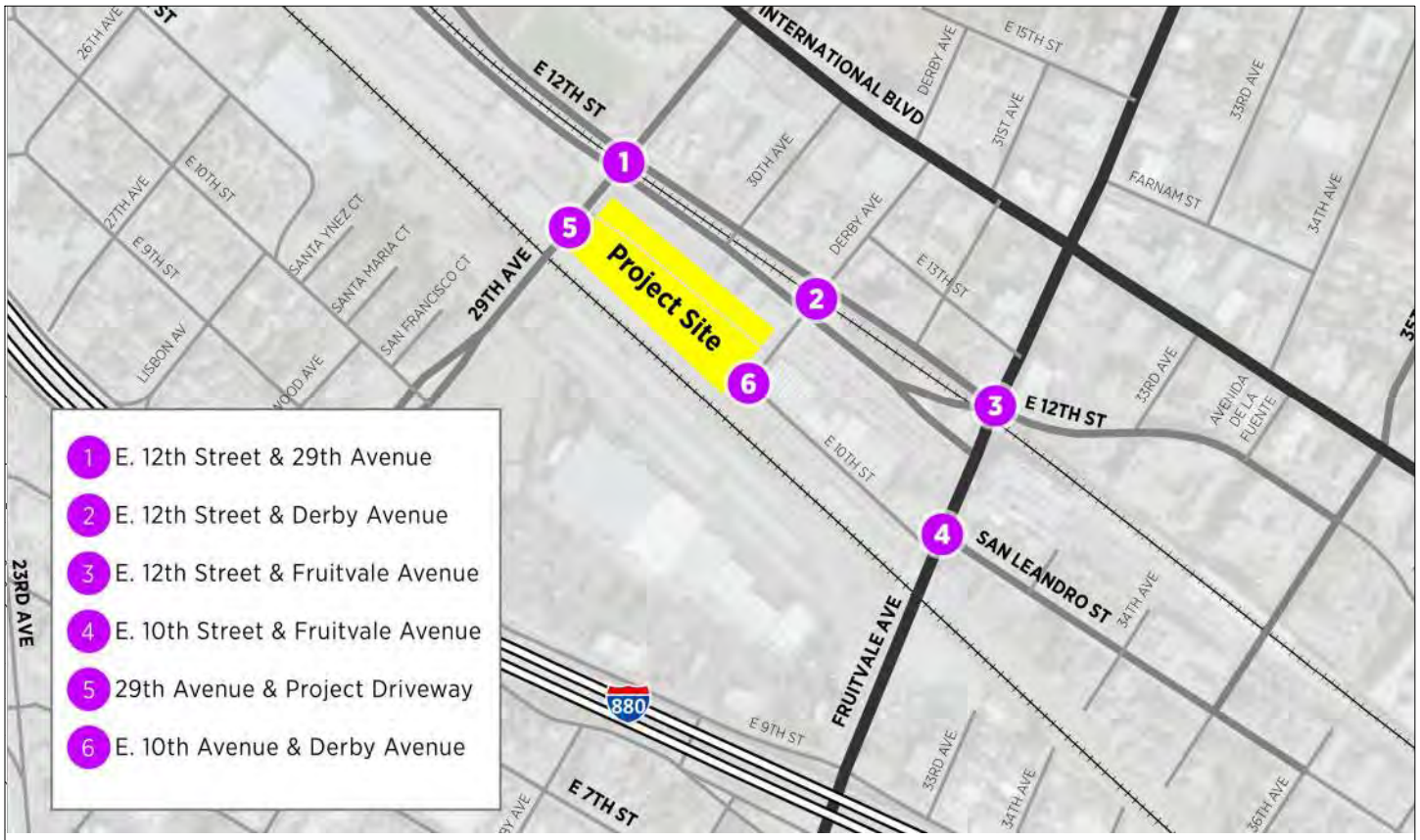
- Study Intersections

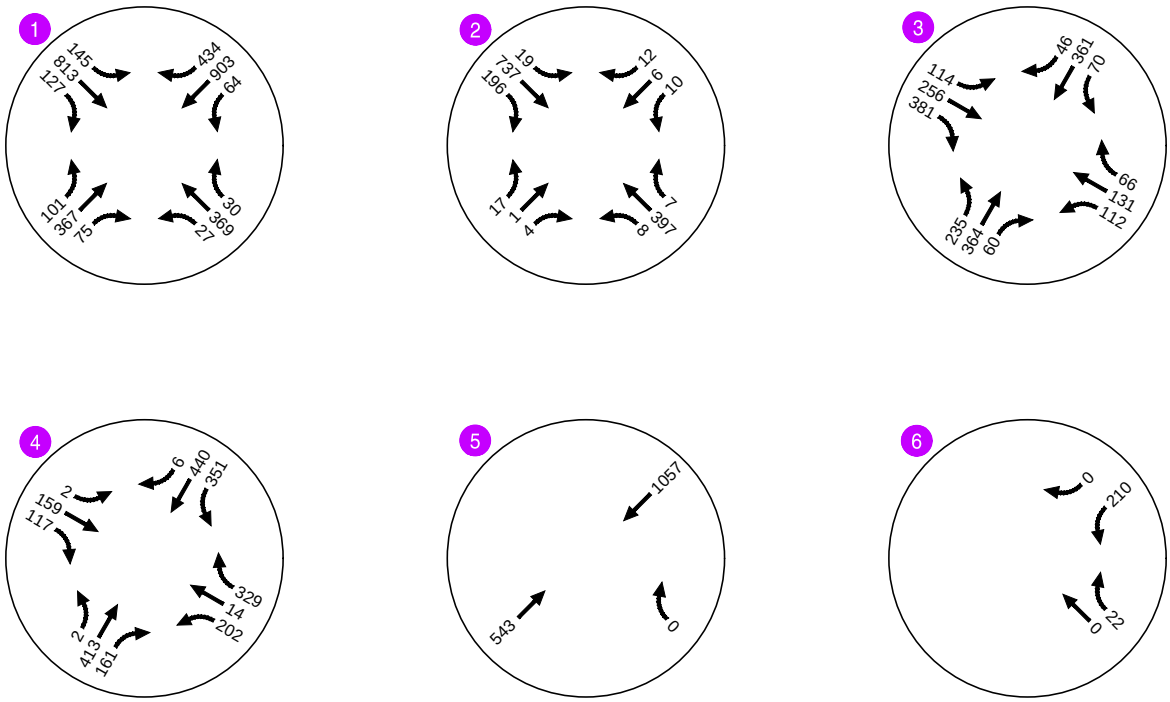
Existing AM Peak Hour Volumes
Oakland, CA

Figure
3.2

H:\24\24921 - Derby Avenue Charter School Oakland\report\figs\working\AM_ExistingVolumes_20210201.dwg Feb 01, 2021 - 12:55pm - amcintyre Layout Tab: Fig01

KITTELSON & ASSOCIATES





- Study Intersections

Existing PM Peak Hour Volumes
Oakland, CA

Figure
3.3

H:\24\24921 - Derby Avenue Charter School Oakland\report\figs\working\PM_ExistingVolumes_20210201.dwg Feb 01, 2021 - 1:01pm - amcintyre Layout Tab: Fig01

Table 3-2: Study Intersection Data Collection

Intersection Number	Intersection Location	Historical Data	New Counts
1	E 12th Street & 29th Avenue	Tuesday, December 4, 2018 AM and PM Peak hours (7-9 a.m. and 4-6 p.m.)	Tuesday, August 18, 2020 AM and PM Peak hours (7-9 a.m. and 4-6 p.m.)
2	E 12th Street & Derby Avenue	N/A	
3	E 12th Street & Fruitvale Avenue	Tuesday, September 10, 2019 PM Peak hour (4-6 p.m.)	
4	E 10th Street & Fruitvale Avenue	Saturday, May 23, 2020 AM and PM Peak hours (7-9 a.m. and 4-6 p.m.)	
5	29th Avenue & Project Driveway	N/A	N/A
6	E 10th Street & Derby Avenue	N/A	N/A

Source: Quality Counts, December 2018, September 2019, May 2020, and August 2020.
Notes: N/A = not available. Turning movement volumes for intersections 5 and 6 were developed using adjacent intersection counts.

ANALYSIS METHODOLOGIES & LEVEL OF SERVICE STANDARDS

To ascertain the existing traffic conditions and potential Project impacts, traffic operations were evaluated at the six study intersections. Level of service (LOS) was determined for each intersection for two scenarios: "Existing" conditions and "Existing Plus Project" conditions. Although the City of Oakland's CEQA Thresholds of Significance have replaced level of service with vehicle miles traveled in accordance with SB 743, this study includes this analysis for local review.

Level of service describes the operating conditions experienced by users of a facility. LOS is a qualitative measure of the effect of a number of factors, including speed and travel time, traffic interruptions, freedom to maneuver, driving comfort, and convenience. Levels of service are designated "A" through "F" from best to worst, which cover the entire range of traffic operations that might occur. LOS "A" through "E" generally represent traffic volumes at less than roadway capacity, while LOS "F" represents locations over capacity and/or experiencing significant delays. These conditions are generally described in Table 3-3.

Intersection operations were evaluated using the *Highway Capacity Manual* (HCM) 6th Edition methodology and Vistro 2020 software. The HCM 6th Edition procedure calculates a weighted average stop delay in seconds per vehicle at an intersection and assigns a level of service designation based on the delay. Table 3-4 presents the relationship of average delay to level of service.

Table 3-3: General Level of Service Definitions

LOS	Description
A	**Free Flow or Insignificant Delays**: Vehicles are completely unimpeded in their ability to maneuver within the traffic stream. Control delay at signalized intersections is minimal.
B	**Stable Operation or Minimal Delays**: The ability to maneuver within the traffic stream is only slightly restricted, and control delay at signalized intersections are not significant.
C	**Stable Operation or Acceptable Delays**: The ability to maneuver and change lanes is somewhat restricted, and average travel speeds may be about 50 percent of the free flow speed.
D	**Approaching Unstable or Tolerable Delays**: Small increases in flow may cause substantial increases in delay and decreases in travel speed.
E	**Unstable Operation or Significant Delays**: Significant delays may occur, and average travel speeds may be 33 percent or less of the free flow speed.
F	**Forced Flow or Excessive Delays**: Congestion, high delays, and extensive queuing occur at critical signalized intersections with urban street flow at extremely low speeds.

Source: *Highway Capacity Manual,* Transportation Research Board, Washington, D.C., 2016

Table 3-4: Intersection Level of Service Definitions

LOS	Description of Traffic Conditions	Average Delay per Vehicle (Seconds)	
		Signalized Intersection	Unsignalized Intersection
A	LOS A represents free-flow travel with excellent levels of comfort and convenience and the freedom to maneuver.	≤10.0	≤10.0
B	LOS B has stable operating conditions, but the presence of other road users causes a noticeable, though slight, reduction in comfort, convenience, and maneuvering freedom.	>10.0 and ≤20.0	>10.0 and ≤15.0
C	LOS C has stable operating conditions, but the operation of individual users is substantially affected by the interaction with others in the traffic stream.	>20.0 and ≤35.0	>15.0 and ≤25.0
D	LOS D represents high-density, but stable flow. Users experience severe restriction in speed and freedom to maneuver, with poor levels of comfort and convenience.	>35.0 and ≤55.0	>25.0 and ≤35.0
E	LOS E represents operating conditions at or near capacity. Speeds are reduced to a low but relatively uniform value. Freedom to maneuver is difficult with users experiencing frustration and poor comfort and convenience. Unstable operation is frequent, and minor disturbances in traffic flow can cause breakdown conditions.	>55.0 and ≤80.0	>35.0 and ≤50.0
F	LOS F is used to define forced or breakdown conditions. This condition exists wherever the volume of traffic exceeds the capacity of the roadway. Long queues can form behind these bottleneck points with queued traffic traveling in a stop-and-go fashion.	>80.0	>50.0

Source: *Highway Capacity Manual,* Transportation Research Board, Washington, D.C., 2016

EXISTING CONDITIONS

Figure 3-2 and Figure 3-3 show the AM and PM peak hour volumes for existing conditions for each of the six study intersections. The existing operations of four of the six study intersections are shown in Table 3-5. The two Project driveway intersections – 29th Avenue & Project Driveway intersection (Intersection #5) and E 10th Street & Derby Avenue (Intersection #6) – are not analyzed under existing conditions because, as previously discussed, there are no existing active uses on the Project site and there would be no conflicting turning movements at these locations. The results indicate that three of the four study intersections analyzed under existing conditions are operating at LOS C or better during the AM and PM peak periods. The E 12th Street & 29th Avenue intersection (Intersection #1) operates at LOS D during the AM peak period and the E 12th Street & Fruitvale Avenue intersection (Intersection #3) operates at LOS D during the PM peak period. These operations are generally considered acceptable in the City of Oakland, and so, no improvements are recommended. Appendix B includes the detailed output files from Vistro for existing conditions.

Table 3-5: Existing AM and PM Level of Service

Intersection Number	Intersection	Control	Existing AM			Existing PM		
			V/C	Delay	LOS	V/C	Delay	LOS
1	E 12th Street & 29th Avenue	Signalized	0.83	37.5	D	0.74	32.6	C
2	E 12th Street & Derby Avenue	Signalized	0.17	7.1	A	0.32	7.0	A
3	E 12th Street & Fruitvale Avenue	Signalized	0.54	26.4	C	0.58	37.0	D
4	E 10th Street & Fruitvale Avenue	Signalized	0.71	27.9	C	0.68	29.5	C

Source: Kittelson & Associates, 2020
Notes: V/C = volume to capacity ratio; Delay is presented in seconds; LOS = level of service

TRIP GENERATION

Trip generation rates published in the Institute of Transportation Engineers (ITE) *Trip Generation Manual, 10th Edition* (2017) were used to estimate the number of trips the Project would generate. *Trip Generation* provides rates for several land use types – this analysis uses rates associated with Land Use Code 530 for high schools which are shown in Table 3-6. These rates account for trips made by both students and staff members and represent the peak hour of generator trips rather than peak hour of adjacent street traffic in order to be more conservative.

Table 3-6: Trip Generation Rates

ITE Land Use	Daily Rate	AM Peak Hour			PM Peak Hour		
		Rate	In %	Out %	Rate	In %	Out %
High School (530)	2.03	0.55	68%	32%	0.33	32%	68%

Source: ITE *Trip Generation Manual, 10th Edition* (2017)
Notes:
ITE Trip Generation (10th Edition) land use category 530 (High School in General Urban/Suburban Setting):
Daily: T = 2.03 * (X)
AM Peak Hour: T = 0.55 * (X) (68% in, 32% out)
PM Peak Hour: T = 0.33 * (X) (32% in, 68% out)

Mode share for Project trips is based on the mode split adjustments provided in the Transportation Impact Review Guidelines (TIRG)[6]. The Project is in an area with population density greater than 10,000 people per square mile and it is located less than 0.5 mile from a BART or Amtrak station. Table 3-7 presents the estimated Project person trip generation by mode.

Table 3-7: Trip Generation

ITE	Size	Unit	Trip Type	Daily Total	AM Peak Hour			PM Peak Hour		
					In	Out	Total	In	Out	Total
530 (High School)	400	Students	Motor Vehicle Trips (53.1%)	432	80	38	118	22	48	70
			Transit Trips (29.7%)	242	45	21	66	13	27	40
			Bike Trips (5.1%)	42	8	4	12	3	5	8
			Walk Trips (10.5%)	86	17	7	24	5	9	14
			Project Generated Trips	**802**	**150**	**70**	**220**	**43**	**89**	**132**

Source: ITE *Trip Generation Manual, 10th Edition* (2017); City of Oakland *Transportation Impact Review Guidelines*
Notes: The trip generation rate accounts for trips made by students and staff.
Per Oakland's TIRG for projects within a half mile of a BART station, mode split is assigned to the ITE Trip Generation resulting in the following percentages: 53.1% vehicle trips, 29.7% transit trips, 5.1% bicycle trips, and 10.5% walking trips. Remaining trips are assumed to be internal or other.

As shown in Table 3-7, the Project would generate a total of 220 AM peak hour person trips, 132 PM peak hour person trips, and 802 daily person trips. Of the 220 AM peak hour person trips, 118 would be vehicle trips, 66 would be transit trips, 24 would be walk trips, and 12 would be bike trips. Of the 132 PM peak hour person trips, 70 would be vehicle trips, 40 would be transit trips, 14 would be walk trips, and 8 would be bike trips. The traffic analysis performed for this Project assumed all of these trips would be completed in motor vehicles in order to present a conservative vehicle operations analysis.

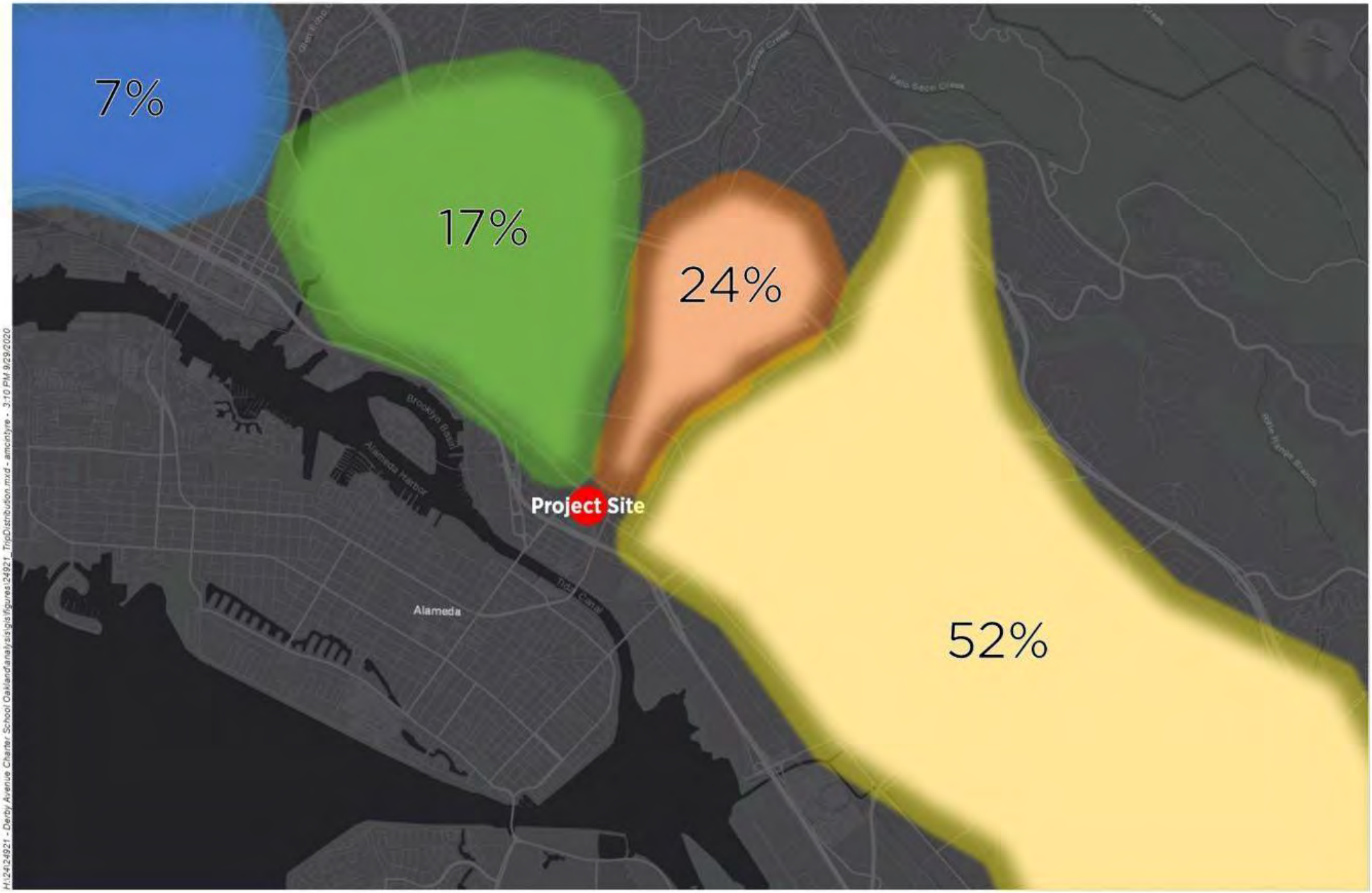
TRIP DISTRIBUTION/ASSIGNMENT

The project sponsor provided location data for students who currently attend either Epic Middle School or Latitude High School at its current Merritt Community College location. The trip distribution of Project trips was developed using the home addresses of these 321 students for which data was provided. This distribution reflects conditions for 2022 school year, when Latitude High School will be fully built-out and

[6] For projects within a half mile of a BART station, 53.1% are estimated to be motor vehicle trips, 29.7% transit trips, 5.1% bicycle trips, and 10.5% walking trips.

will include grades 9 through 12. As of the 2020 school year, Latitude High School is comprised of 9th and 10th graders and plans to add one grade level per year through the 2022 school year. Incoming classes will be primarily comprised of students who currently attend another EFC school. For the purpose of this trip distribution and assignment, the 2022 student population is represented by the previous Epic Middle School 7th and 8th graders and current Latitude High School 9th and 10th graders. These population assumptions are also used for the CEQA VMT analysis. Based on these approximate origin locations, Project trips were distributed as presented in Figure 3-4. Figure 3-5 and Figure 3-6 show the Project only peak hour volumes for the AM and PM peak hours, respectively[7].

[7] This analysis assumes outbound left turns from the Project site onto 29th Avenue will be prohibited.



H:\2424921 - Derby Avenue Charter School Oakland\analysis\gis\figures\24921_TripDistribution.mxd - amcintyre - 3:10 PM 9/29/2020

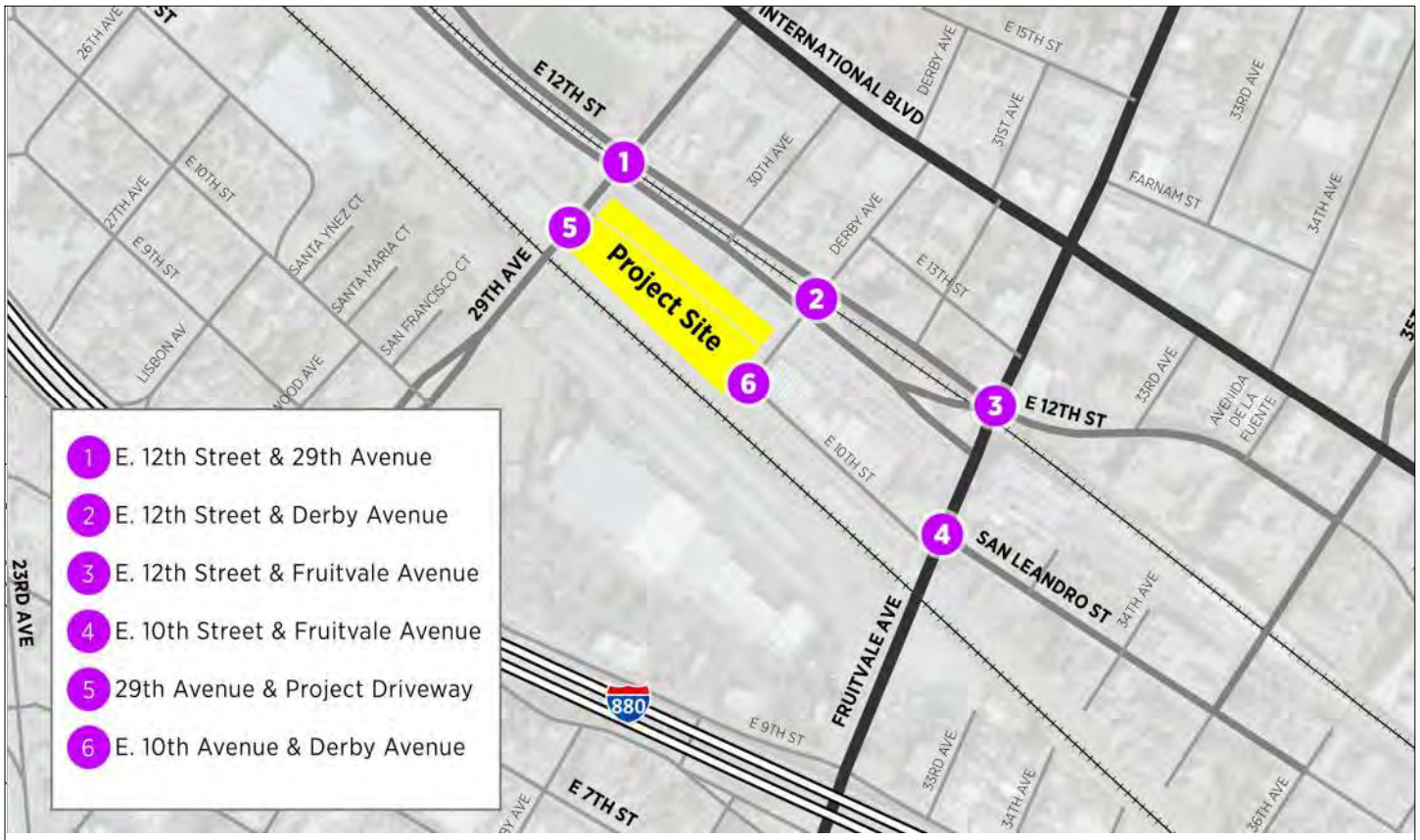
Trip Distribution
Oakland, California

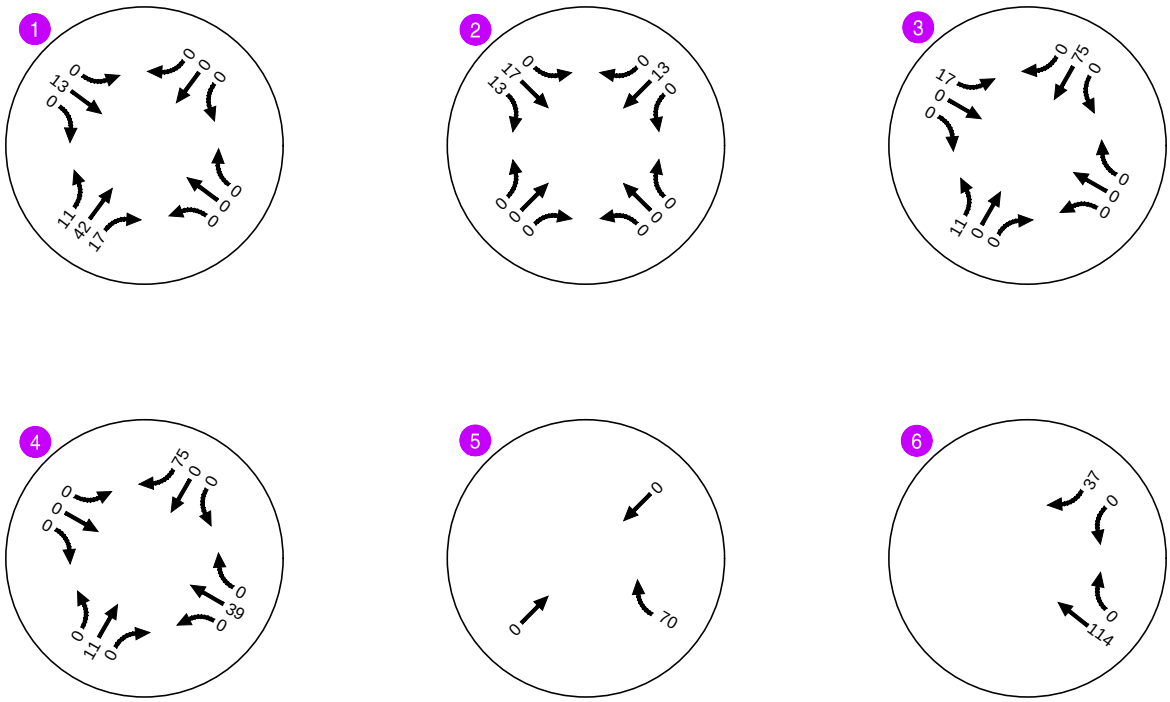
Figure **3.4**

KITTELSON & ASSOCIATES

0 0.25 0.5 0.75 1 Miles

Coordinate System: NAD 1983 StatePlane California IV FIPS 0404 Feet
Data Source: City of Oakland; Alameda County





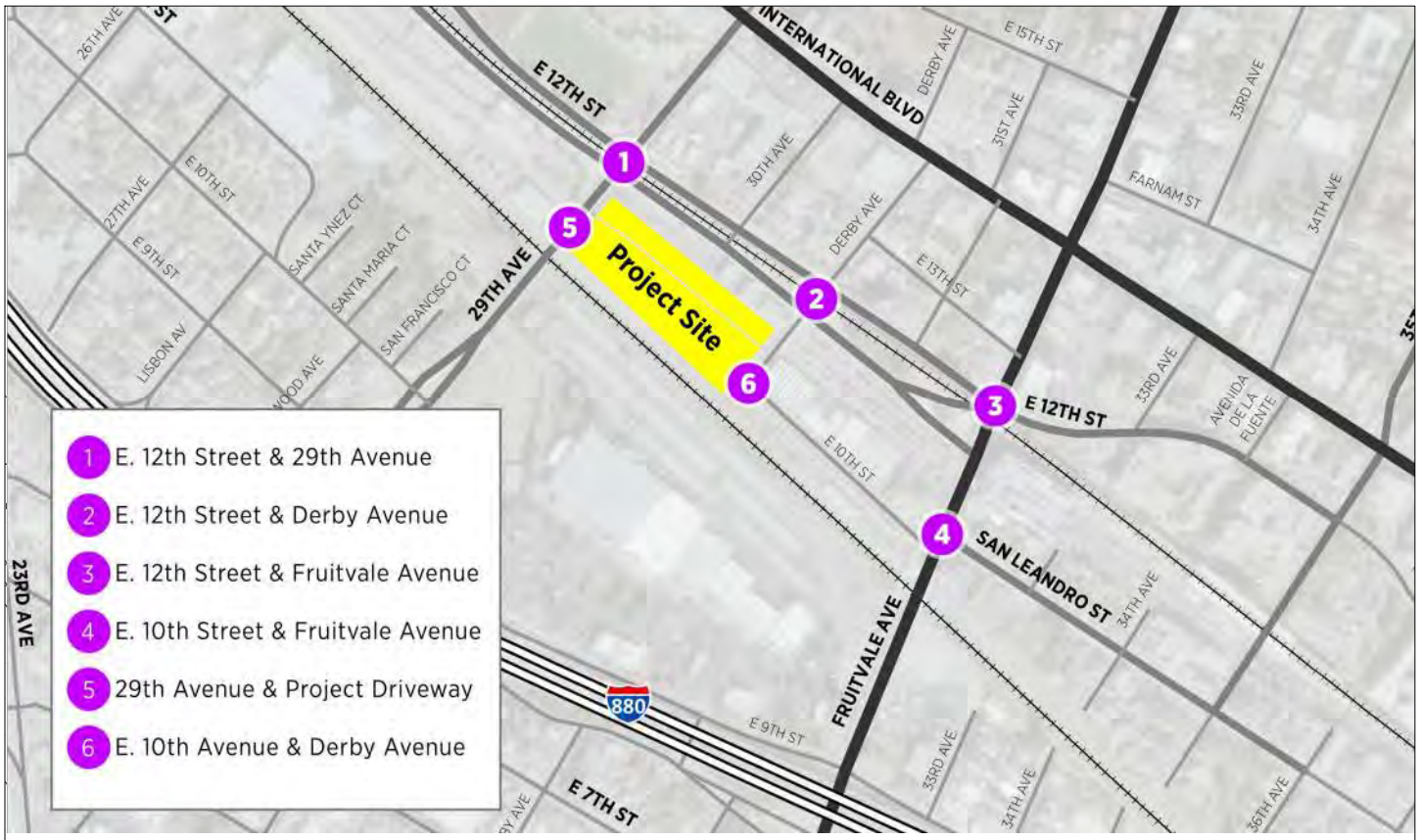
- Study Intersections

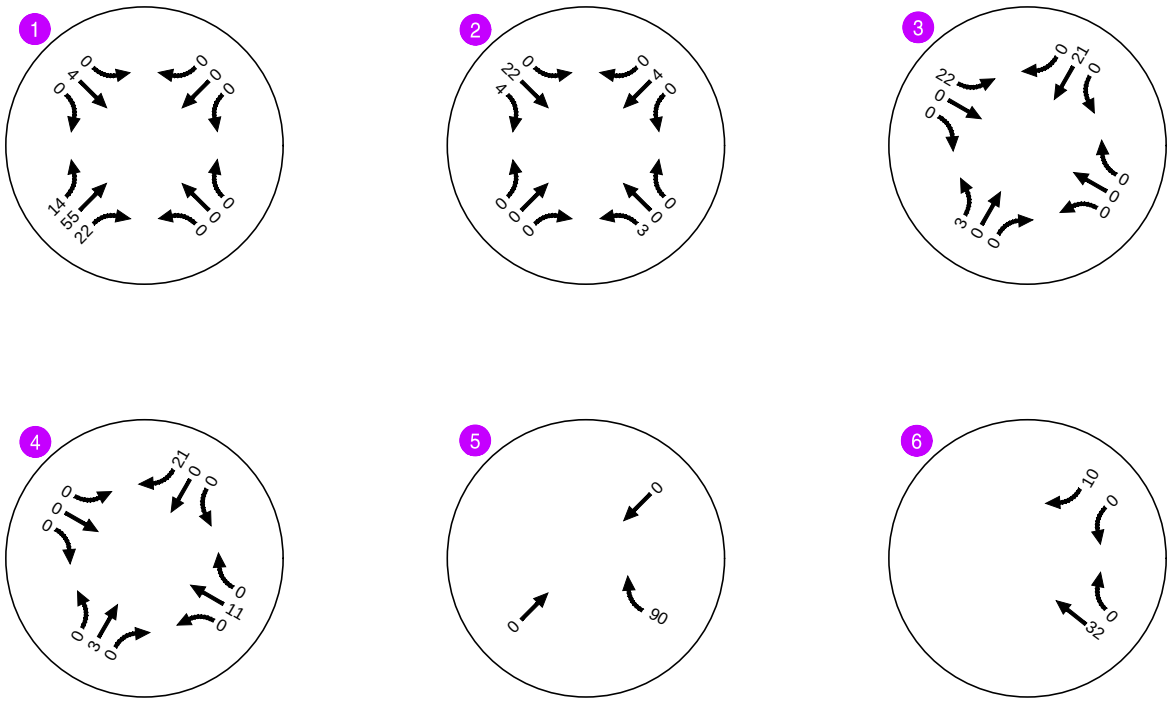
Project Only AM Peak Hour Volumes
Oakland, CA

Figure
3.5

H:\24\24921 - Derby Avenue Charter School Oakland\report\figs\working\AM_ProjectVolumes_20210201.dwg Feb 01, 2021 - 1:04pm - amcintyre Layout Tab: Fig01

KITTELSON & ASSOCIATES





- Study Intersections

Project Only PM Peak Hour Volumes
Oakland, CA

Figure
3.6

H:\24\24921 - Derby Avenue Charter School Oakland\report\figs\working\PM_ProjectVolumes_20210201.dwg Feb 01, 2021 - 1:06pm - amcintyre Layout Tab: Fig01

KITTELSON & ASSOCIATES

EXISTING PLUS PROJECT CONDITIONS

Based on the trip generation and distribution analysis, Project-generated vehicle trips were distributed to the study intersections and added to the existing volumes to determine the existing plus project peak hour volumes8. These existing plus project volumes for the AM and PM peak hours are shown in Figure 3-7 and Figure 3-8, respectively.

Table 3-8 and Table 3-9 compare existing traffic operations with existing plus project traffic operations for the AM and PM peak hour. Overall, delay at each intersection is expected to increase slightly, but all intersection continues to operate at LOS D or better. Level of service remains constant for all intersections evaluated under existing conditions.

Appendix C includes the detailed outputs from Vistro for existing plus project conditions.

Table 3-8: Existing vs. Existing Plus Project Conditions - AM Peak Hour

Intersection Number	Intersection	Control	Existing AM			Existing Plus Project AM		
			V/C	Delay	LOS	V/C	Delay	LOS
1	E 12th Street & 29th Avenue	Signalized	0.83	37.5	D	0.88	43.9	D
2	E 12th Street & Derby Avenue	Signalized	0.17	7.1	A	0.18	9.3	A
3	E 12th Street & Fruitvale Avenue	Signalized	0.54	26.4	C	0.54	26.5	C
4	E 10th Street & Fruitvale Avenue	Signalized	0.71	27.9	C	0.74	28.6	C
5	29th Avenue & Project Driveway	OWSC	N/A			0.17	14.3	B
6	E 10th Street & Derby Avenue	OWSC	N/A			0.08	7.6	A

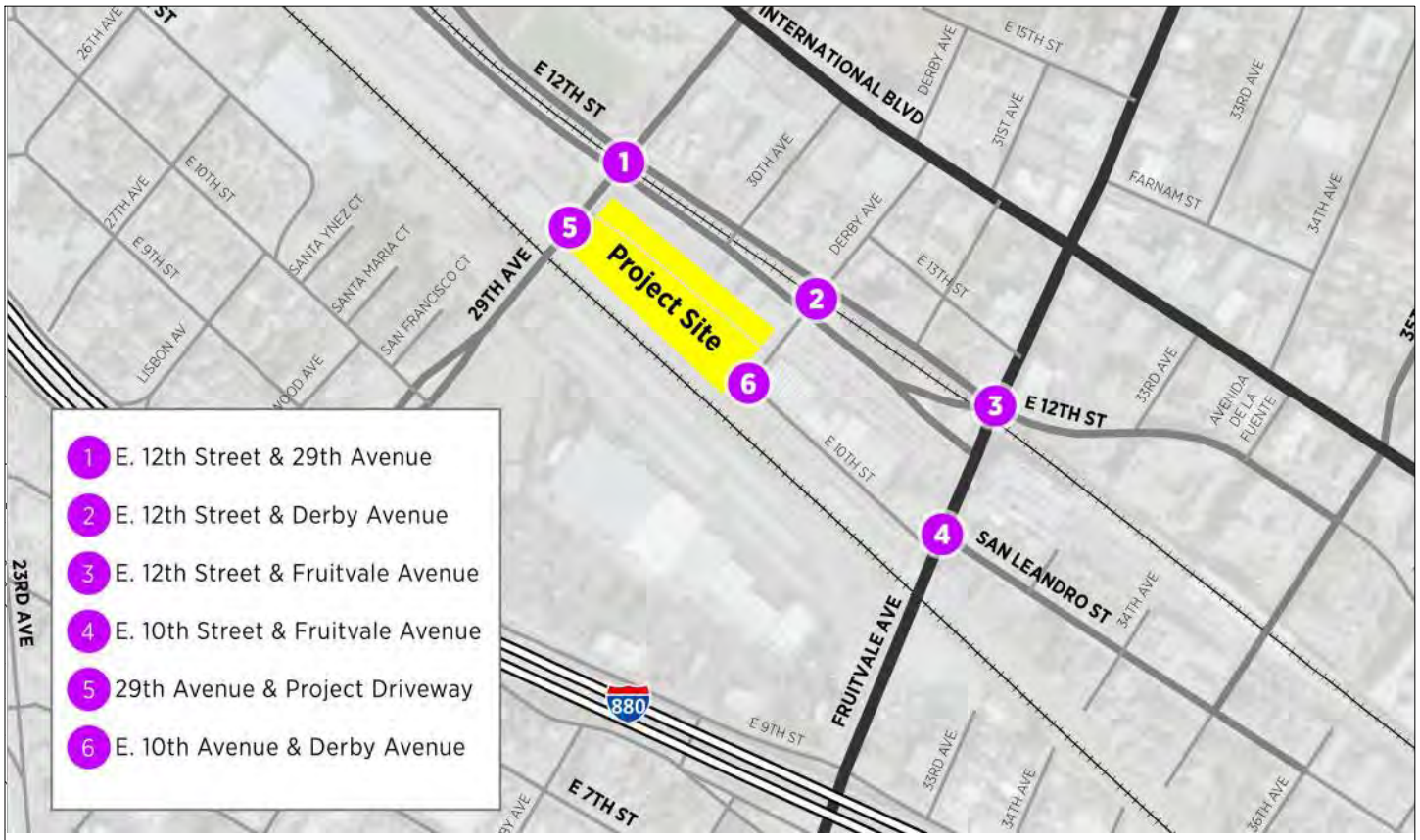
Notes: OWSC = One-Way Stop Control; V/C = volume to capacity ratio; Delay is presented in seconds; LOS = level of service; N/A = not applicable.

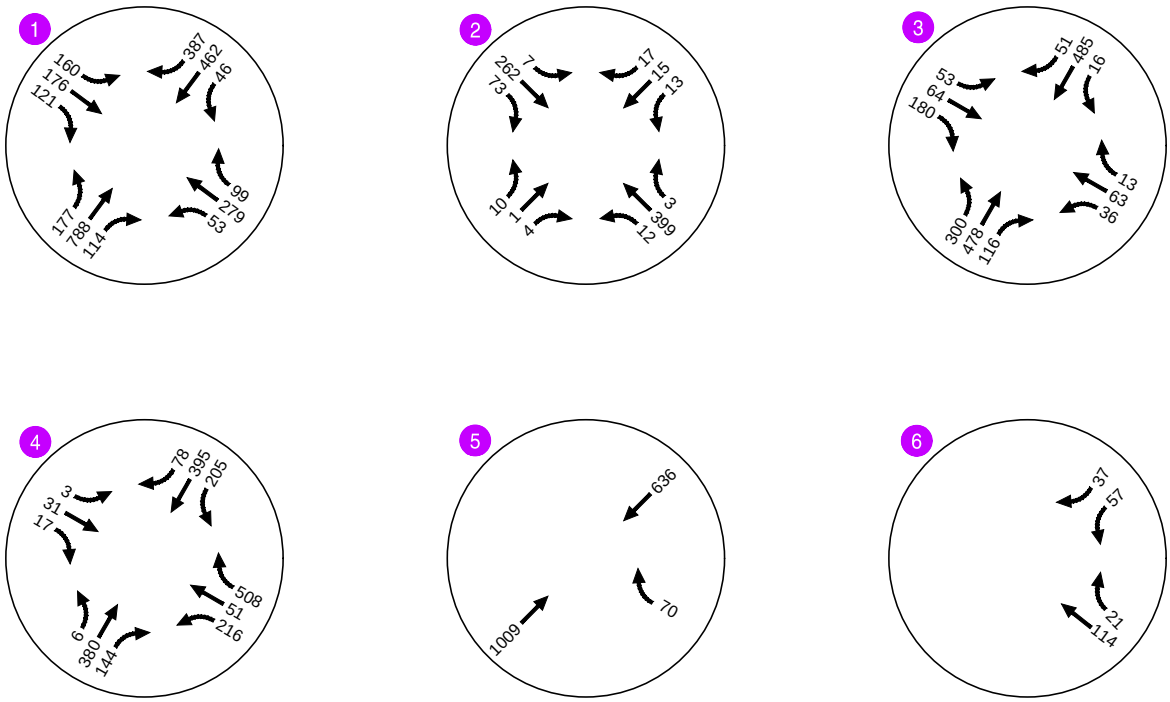
[8] The volumes shown and analyzed in the traffic study assume the full ITE trip generation rate is taken by vehicle and does not include the mode slit adjustment allowed by the TIRG given the Project's proximity to a BART station. Since all trips were analyzed as vehicle trips, the analysis can be considered conservative.

Table 3-9: Existing vs. Existing Plus Project Conditions - PM Peak Hour

Intersection Number	Intersection	Control	Existing PM			Existing Plus Project PM		
			V/C	Delay	LOS	V/C	Delay	LOS
1	E 12th Street & 29th Avenue	Signalized	0.74	32.6	C	0.77	34.4	C
2	E 12th Street & Derby Avenue	Signalized	0.32	7.0	A	0.33	7.4	A
3	E 12th Street & Fruitvale Avenue	Signalized	0.58	37.0	D	0.59	37.5	D
4	E 10th Street & Fruitvale Avenue	Signalized	0.68	29.5	C	0.69	29.4	C
5	29th Avenue & Project Driveway	OWSC	N/A			0.15	11.1	B
6	E 10th Street & Derby Avenue	OWSC	N/A			0.03	7.8	A

Notes: OWSC = One-Way Stop Control; V/C = volume to capacity ratio; Delay is presented in seconds; LOS = level of service; N/A = not applicable.





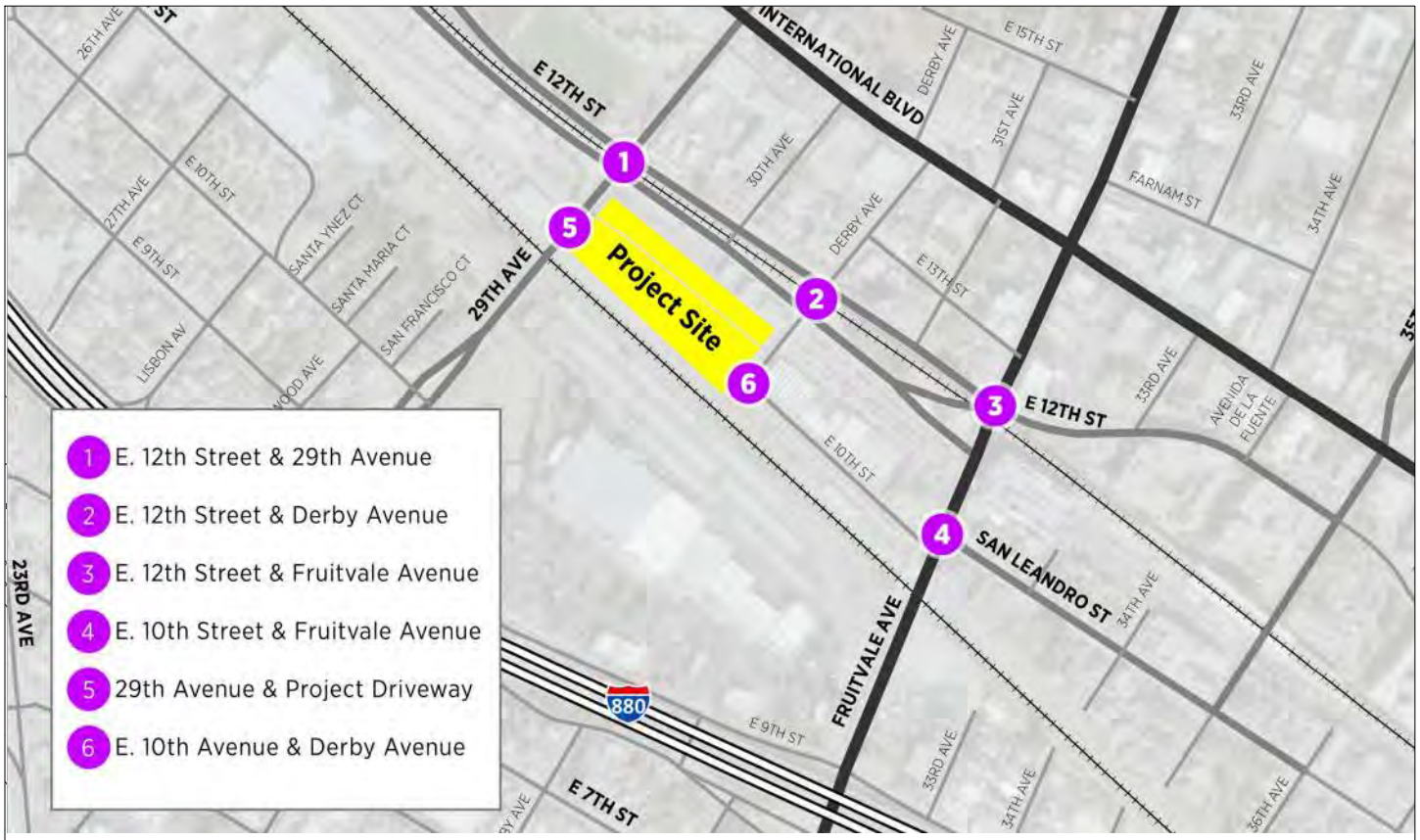
- Study Intersections

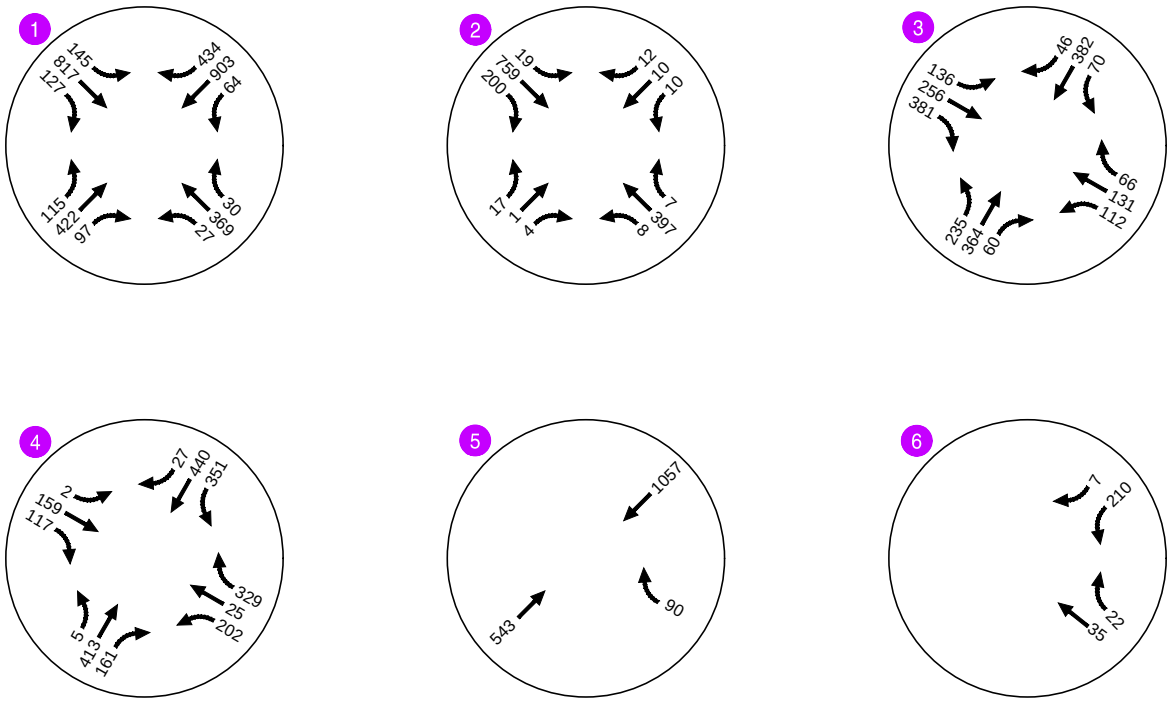
Existing Plus Project AM Peak Hour Volumes
Oakland, CA

Figure
3.7

KITTELSON & ASSOCIATES

H:\24\24921 - Derby Avenue Charter School Oakland\report\figs\working\AM_ExistingPlusProjectVolumes_20210201.dwg Feb 01, 2021 - 1:08pm - amcintyre Layout Tab: Fig01





- Study Intersections

Existing Plus Project PM Peak Hour Volumes
Oakland, CA

Figure
3.8

KITTELSON & ASSOCIATES

H:\24\24921 - Derby Avenue Charter School Oakland\report\figs\working\PM_ExistingPlusProjectVolumes_20210201.dwg Feb 01, 2021 - 1:10pm - amcintyre Layout Tab: Fig01

CONGESTION MANAGEMENT PROGRAM COMPLIANCE

The purpose of the Congestion Management Program (CMP) is to identify strategies to respond to future transportation needs, develop procedures to alleviate and control congestion, and promote countywide transportation solutions. In order to monitor attainment of the CMP, the Alameda County Transportation Commission adopted the roadway level of service standards. A CMP analysis is required only if a project generates 100 PM peak hour vehicle trips on a roadway segment designated as part of the CMP Network[9]. As shown in Table 3-7, the Project would generate 70 vehicle trips during the PM peak hour. Given that the Project is estimated to generate fewer than 100 vehicle trips during the PM peak hour[10], this analysis is not required and is absent from this study.

SITE ANALYSIS

Vehicle Access, Circulation, and Passenger Loading

A proposed vehicle circulation plan was provided by EFC and is shown in Figure 3-9. Latitude High School proposes that during specified hours (8:00-8:20 a.m. and 3:20-3:40 p.m.), vehicles would be routed through the site along the one-way drive aisle from Derby Avenue to 29th Avenue for on-site drop-off and pick-up. During all other operating hours, the gates would remain closed to prevent the site from being accessed by the general public. Seventy-one vehicle parking spaces will be available on-site for faculty, student, and visitor use.

Vehicle Access and Circulation

The current circulation plan allows exiting vehicles to turn either left or right out of the Project gate on 29th Avenue[11]. With this driveway configuration, vehicles turning left onto 29th Avenue would need to wait for an acceptable gap in traffic which may result in delays and queues on site. *Improvement Measure TR-1* has been identified to reduce the potential for queues to develop at the Project's 29th Avenue driveway.

Improvement Measure TR-1: Prohibit Left Turns at the 29th Avenue Project Driveway

As an improvement measure to minimize the potential for queues to develop on site and to maintain better operations at the Project driveway, the project sponsor should prohibit left turns at the 29th Avenue driveway. The project sponsor will work with City staff to identify appropriate pavement markings and signage, compliant with the MUTCD, to notify drivers of the turn

[9] The CMP report referenced for this analysis was published in 2019 and can be found here: https://www.alamedactc.org/wp-content/uploads/2019/11/2019_Alameda_County_CMP_FINAL.pdf . The segment of 29th Avenue between the Alameda City limits and the I-880 freeway is designated as a Tier 1 roadway and the segment of 29th Avenue between Ford Street and E 14th Street/International Boulevard is designated as a Tier 2 roadway.

[10] ITE Code 530 for high schools estimates a trip generation rate of 56 vehicles for a 400-student high school during the peak hour of adjacent street traffic, between 4 PM and 6 PM. The 70 vehicle trips estimated in Table 3-7, utilizes the ITE rate for high schools assuming the peak hour of the generator and applies the mode share factor assumptions included in the TIRG.

[11] This report assumes outbound left turns will be prohibited for trip distribution and assignment analyses.

restriction. Pavement markings and signage will be placed in a location where they will most easily be seen by drivers who might be intending to turn[12]. Vertical separation elements or other self-reinforcing geometric design elements should be installed to discourage prohibited turns. Additionally, the project sponsor will provide information about site access and circulation, including left turn restrictions, in orientation/educational materials for distribution to parents, students, and staff.

Visitor Access and Parking

The current operations plan requires vehicle driveway gates on Derby Avenue and 29th Avenue to be closed during regular school hours (apart from student loading times). This will restrict visitor access to the site and parking lot. *Improvement Measure TR-2* has been identified to facilitate visitor access and parking at the site.

Improvement Measure TR-2: Develop and Implement Plan for Visitor Access and Parking

As an improvement measure to ensure visitors are able to access the site and parking lot when the gates on Derby Avenue and 29th Avenue are closed, the project sponsor will develop and implement a plan for visitor parking access. The plan will be reviewed and approved by City staff and may include, but not be limited to, the following:

- Provide an intercom device to allow for communication between staff and visitors at each gate. The intercom devices may provide voice and video communication and allow for remote management.
- Designate staff to assist with visitor access requests.
- Provide informational signage at the driveways with information regarding hours of operation and access instructions. Signage should also include information regarding alternate parking locations.

Passenger Drop Off and Pick Up

As shown in Figure 3-9, vehicles would enter from Derby Avenue, continue through the parking lot to drop off or pick up students, and exit onto 29th Avenue. The current circulation and operations plan proposes that gates would be open only during specified hours (8:00-8:20 a.m. and 3:20-3:40 p.m.) for on-site drop-off and pick-up. People arriving prior to the gates opening would be required to wait on Derby Avenue or E 10th Street, which may result in queuing and congestion on the surrounding roadways. Additionally, 75% of the students are breakfast arrivals which begins a 7:40 AM or 20 minutes before the gates open. *Improvement Measure TR-3* has been identified to reduce the potential for queues to develop at the Project's Derby Avenue driveway.

[12] The project sponsor would install Manual on Uniform Traffic Control Devices sign NO LEFT TURNS (R3-2).

Improvement Measure TR-3: Develop and Implement Drop Off and Pick Up Procedures

As an improvement measure to minimize the potential for queues to develop on surrounding roadways and to maintain better operations at the Project driveway and on site, the project sponsor would develop and implement drop off and pick up procedures. These procedures will cover both typical school day traffic as well as procedures for special events held after hour at the school. The procedures will be reviewed and approved by City staff prior to school opening and may include, but not be limited to, the following:

- Modification of gate opening and closing times to reduce queues from parents waiting on the street to access the pick-up/drop-off area. Gate times in the morning should also reflect earlier drop-off times for students that have breakfast at the school.
- Create a designated drop-off/pick-up zone. Provide clearly marked area on site for passenger drop-off/pick-up. There is approximately 550 linear feet of space available within the drive aisle southeast of the building entrance that could accommodate a queue of around 27 vehicles.
- Require drivers to form a single queue within the parking lot to conduct drop-off. Do not allow double parking or drop-off outside of the designated area.
- Require drivers to pull up to the front of the queue and into the designated area prior to conducting passenger drop-off.
- Designate staff to assist with operations. Staff should be present starting prior to 7:40 AM and breakfast to actively manage the on-site loading zone during drop-off, increase efficiency of operations, encourage appropriate driving behavior, and provide enforcement as necessary. Staff also need to be present starting prior to 3:20 to actively manage the on-site loading zone during pick-up.
- Stagger arrival and dismissal times. Staggering arrival and dismissal times would reduce the queue for drop-off.
- Communicate information to staff, students, and parents. Drop-off and pick-up procedures should be communicated in welcome packets and could also be included in informational signage on-site.

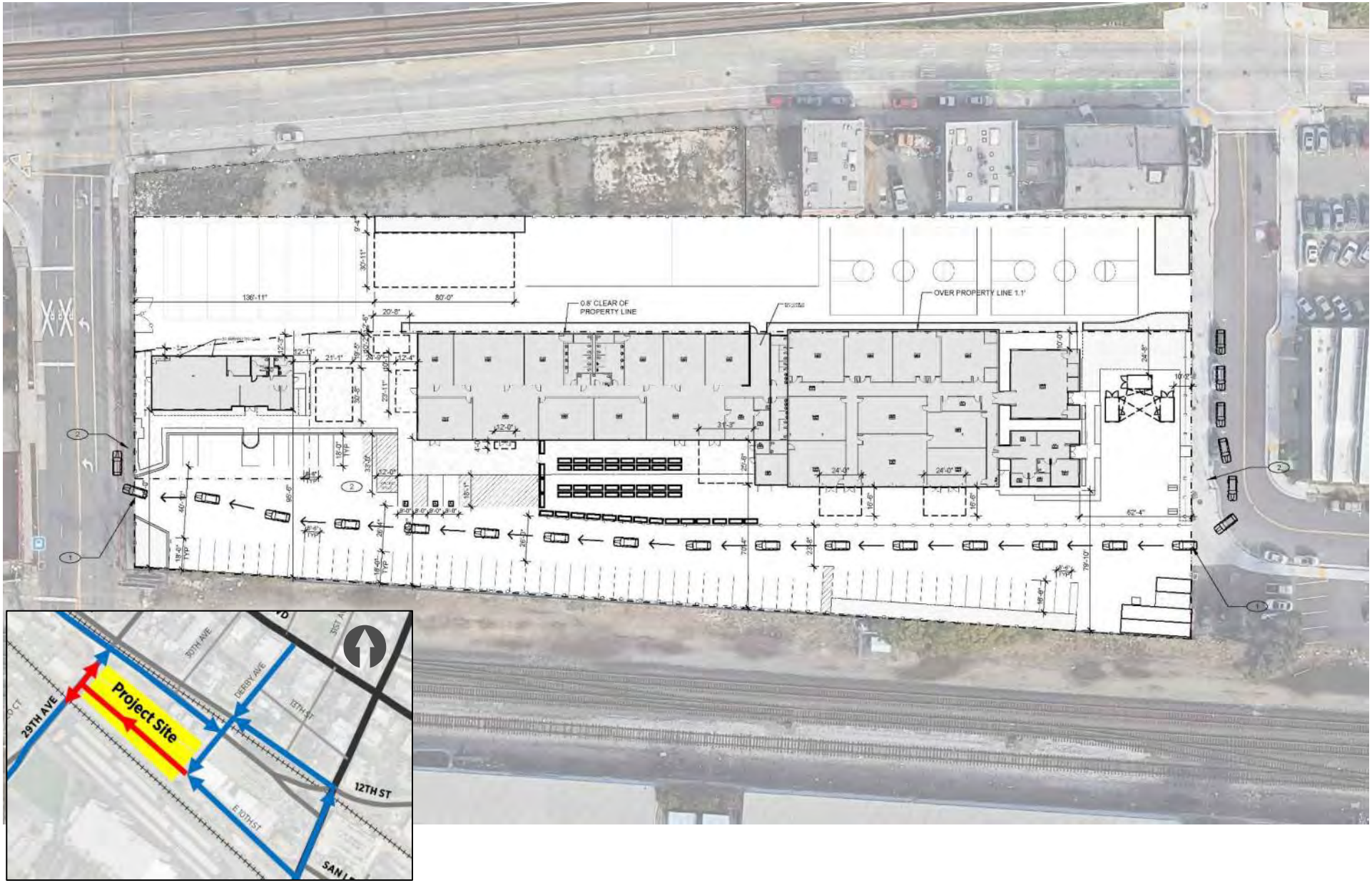
Transit Access

Based on the trip generation, the Project is expected to generate 242 daily transit trips (including 66 in the AM peak hour and 40 in the PM peak hour). Transit trips would be distributed among the twelve AC Transit routes and the Fruitvale BART Station serving three BART lines. Transit lines serving the Project site currently operate with sufficient capacity to accommodate the addition of transit riders generated by the proposed Project. The Project's incremental increase in ridership on these lines, about one or two riders per bus, could be accommodated and the Project would not be expected to result in overcrowding at transit stops serving the Project. Per SCA #77: Transportation and Parking Demand Management, the project sponsor must implement the TDM plan prepared as part of this project. As discussed in Section 4 of this report, the TDM plan includes the following transit-related measures:

- The project sponsor shall work with the City and AC Transit to identify the feasibility of installing bus shelters for the following bus stops:
    - 29th Avenue/north of railroad crossing
    - 29th Avenue/north of E 10th Street
    - E 12th Street/east of 29th Avenue (south side)
    - E 12th Street/east of 29th Avenue (north side)

  If these stops have 25 or more passenger boardings per day and construction of the bus shelters is feasible, the project sponsor shall install bus shelters.

- The project sponsor shall work with AC Transit and the City to determine if the near side bus stop should be relocated to the far side on the westbound approach to E 12th Street & 29th Avenue and the northbound approach to 29th Avenue & Fruitvale Station Shopping Center/Animal Services Driveway.



Proposed Vehicle Circulation
Oakland, California

Figure **3.9**

KITTELSON & ASSOCIATES

Coordinate System: NAD 1983 StatePlane California IV FIPS 0404 Feet
Data Source: City of Oakland; Alameda County

Pedestrian Access and Circulation

Pedestrian facilities near the Project site include sidewalks, crosswalks, and curb ramps. The area immediately adjacent to the Project site on Derby Avenue and E 10th Street saw significant pedestrian improvements in 2015/2016, with the addition of sidewalks and curb ramps. Continuous and connected sidewalks are also generally provided throughout the surrounding neighborhoods, with the exception of the south side of E 12th Street between Derby Avenue and Fruitvale Avenue and along both sides of 29th Avenue at the railroad crossing south of the Project driveway. Pedestrian crossings are provided at all signalized intersections near the Project site, including the two immediately adjacent to the Project at E 12th Street & 29th Avenue and E 12th Street & Derby Avenue, which also include pedestrian signal heads. Pedestrian ramps with truncated domes compliant with guidelines provided by the Americans with Disabilities Act (ADA) are provided at intersections adjacent to the Project site.

Pedestrian access to the site is provided from 29th Avenue into the school offices in Building B and from Derby Avenue via a gate north of the Project driveway. The Project-generated pedestrian trips would be spread out over surrounding sidewalks and crosswalks. Based on the current levels of pedestrian activity in the study area, the new pedestrian trips generated by the Project could be accommodated on existing facilities and would not substantially increase pedestrian crowding at street corners or on nearby sidewalks and crosswalks. As shown in Table 3-7, given the proximity of the Project to the Fruitvale BART Station and multiple AC Transit bus stops, approximately 30 percent of students or staff accessing the school by foot will be coming from nearby transit stops. Table 3-10 lists nearby transit stops and distances to the nearest pedestrian access point.

Table 3-10: Pedestrian Transit Stop Access

Transit Stop Location	Transit Routes Served	Distance to Nearest Pedestrian Access Point*
E 12th Street, east of 29th Avenue (south side)	AC Transit Routes 20, 21, & 62	200 feet
E 12th Street, east of 29th Avenue (north side)	AC Transit Routes 62	220 feet
29th Avenue, south of E 12th Street (west side)	AC Transit Routes 20 & 21	350 feet
29th Avenue, north of E 10th Street (east side)	AC Transit Routes 20 & 21	450 feet
E 12th Street, west of Fruitvale Avenue (north side)	AC Transit Routes 20, 21, & 62	0.1 miles
International Boulevard, west of E 12th Street (both sides)	AC Transit Route 1T	0.2 miles
Fruitvale Avenue, south of International Boulevard (both sides)	AC Transit Routes 20, 21 & 39	0.2 miles
Fruitvale BART Station (near 35th Avenue and Oscar Grant III Way)	BART – Orange, Green, and Blue Lines AC Transit Routes 14, 19, 20, 21, 39, 51A, 54, 62, 706, 851, & 0	0.3 miles

*Walking distance along pedestrian paths

The incremental increase in Project-generated pedestrian traffic would not have a substantial adverse effect on surrounding pedestrian facilities, including routes to transit. Although the Project would increase the number of vehicles accessing the site, the proposed driveways would be designed with adequate sight distance for pedestrians. The Project would not create potential collision risks through increased vehicle conflicts, or otherwise interfere with pedestrian accessibility to the site and adjoining areas.

However, one of the closest bus stops to the Project site is directly across 29th Avenue from the Project driveway. Although a crosswalk is present at 29th Avenue & E 12th Street, students accessing this bus stop may choose to illegally and unsafely cross 29th Avenue instead of walking to the signalized crossing. *Improvement Measure TR-4* has been identified to improve safety for students accessing the school:

> **Improvement Measure TR-4: Dedicate Crossing Guard at E 12th Street & 29th Avenue**
>
> The project sponsor will dedicate at least one staff member to be present at E 12th Street & 29th Avenue during the morning (starting at 7:30) and afternoon periods (Starting at 3:20) to direct students to cross intersection. Given the directionality of student crossings from the bus stop, or north side of 29th Avenue, towards the school in the morning and in the opposite direction in the afternoon, staff could be positioned on the north side/across the street in the morning and on the south side/school side in the afternoon.

Implementation of *Improvement Measure TR-4* would encourage safe crossing behavior for pedestrians. The presence of a dedicated staff member near the exit driveway may also discourage drivers from turning left out of the driveway.

The two closest bus stops to the project are across 29th Avenue from the Project and on Eastbound E. 12th Street at 29th Avenue. The 29th Avenue bus stop is not ADA-compliant because it has a landscaped strip between the sidewalk and the roadway. The bus stop on E. 12th Street just east of 29th Avenue has red curb that has become faded over time along with a sidewalk that may present a tripping hazard to pedestrians. *Improvement Measure TR-5* has been identified to improve pedestrian access to the two closest bus stops.

> **Improvement Measure TR-5: Improve Two Bus Stops Nearest the Project**
>
> The two bus stops closest to the project should be improved to better accommodate pedestrian access. These improvements would include removing the landscape strip near the 29th Avenue bus stop on southbound 29th Avenue across the street from the project and updates to the E. 12th Street bus stop just east of 29th Avenue to repaint the red curb and fix potential tripping hazards due to an uneven sidewalk.

Implementation of *Improvement Measure TR-5* would improve access to transit for pedestrians from the project.

Per SCA#77: Transportation and Parking Demand Management, the project sponsor must implement the TDM plan prepared as part of this Project. As discussed in Section 4 of this report, the TDM plan for the Project includes the following measures to improve conditions for pedestrians:

- Restripe the existing crosswalks at E 12th & Derby Avenue and 29th Avenue & Fruitvale Station Shopping Center/Animal Services Driveway in yellow to indicate a school crossing per the CA MUTCD.

The at-grade rail crossings near the Project at 29th Avenue and at Fruitvale Avenue do not appear to meet current pedestrian design standards. Per SCA #79: Railroad Crossings, the Project is required to coordinate with the California Public Utilities Commission, Union Pacific, and the City of Oakland to perform a diagnostic study of the crossing to develop recommendations for improving the crossing. Additional discussion is provided within the At-Grade Railroad Crossing Safety Evaluation section of this report.

Bicycle Access, Circulation, and Parking

Bicycle facilities are present in the area surrounding the Project site on E 12th Street and Fruitvale Avenue. However, 29th Avenue north of E 10th Street lacks bicycle facilities, creating a gap between the constructed bicycle lane on 29th Avenue south of E 10th Street and the Project site. This gap is proposed to be closed in the *Let's Bike Oakland!* 2019 Bike Plan with an extension of the Class 2 bike lanes on 29th Avenue, north from E 10th Street to E 12th Street. Improvement Measure TR-5 is proposed to improve safety for bicyclists by closing the bicycle lane gap.

Improvement Measure TR-6: Work with the City to Determine Feasibility of Closing the Bicycle Lane Gap

The project sponsor should work with the City to determine the feasibility of closing the bicycle lane gap between E. 10th Street and E. 12th Street along 29th Avenue per the *Let's Bike Oakland* plan. If the construction of the class II bicycle facilities is found to be feasible, the project should pay its share of the improvement to add the bicycle lanes commensurate with the project's contribution to bicycle traffic along 29th Avenue.

The following are the Oakland Municipal Code requirements for bicycle parking facilities for public and private elementary, junior high, and high schools (Section 17.117.100):

- Long-Term Bicycle Parking[13]: One space per ten employees plus one space per 20 students of planned capacity. Minimum requirement is 2 spaces.

- Short-Term Bicycle Parking[14]: One space per 20 students of planned capacity. Minimum requirement is two spaces.

With an expected enrollment of 400 students, the school is required to provide 20 long-term parking spaces and 20 short-term spaces, plus an additional long-term space for every ten employees. The

[13] Long-term Bicycle Parking. Each long-term bicycle parking space shall consist of a locker or locked enclosure providing protection for each bicycle from theft, vandalism, and weather. Long-term bicycle parking is meant to accommodate employees, students, and others expected to park more than two hours.
[14] Short-term Bicycle Parking. Short-term bicycle parking shall consist of a bicycle rack or racks and is meant to accommodate visitors, messengers, and others expected to park not more than two hours.

proposed site plan shows 23 long-term bicycle storage spots and 20 short-term spots. Based on the project description which identifies 29 employees, the provided bicycle parking meet's City code requirements.

Vehicle Parking

The Oakland Municipal Code (Section 17.116.070 and 17.116.040) requires the number of parking spaces be determined by the Director of City Planning for high schools. The code states that the Director "shall base his or her determination on the traffic generation of the activities, the amount and frequency of loading operations thereof, the time of operation of the activities, their location, and such other factors as affect the need for off-street parking and loading".

The Institute of Traffic Engineers' (ITE) *Parking Generation Manual, 5th Edition* provides guidance on the number of parking spaces appropriate for different land uses. For high schools, ITE identifies 0.26 parking spaces per student as an average parking demand rate for high schools, which would be 104 parking spaces for the Project. This recommendation may not directly apply to this Project, as ITE's recommendations are generally applicable to projects within suburban contexts and may overestimate the vehicle parking demand for more urban projects. The location of the Project is within a dense urban area with access to high quality transit services. Based on the trip generation and mode split assumptions from the TIRG, only 53.1% of ITE Trip Generation trips are expected to be made by motor vehicles. Assuming this same trip reduction applies to ITE parking estimates, the total number of parking spaces would need to be at least 56.

The proposed site plan for the Project includes 71 dedicated parking spaces, including 68 full-size spaces and 3 ADA spaces. Given the number of parking stalls (71) exceeds the expected demand for a dense urban school (56), the Project provides sufficient off-street parking for a typical school day. A more detailed analysis of parking needs for special events is discussed in Section 5 of this report.

CRASH HISTORY ANALYSIS

Collision history for vehicles, pedestrians, and bicyclists were analyzed for the four signalized study intersections (E 12th Street & 29th Avenue; E 12th Street & Derby Avenue; E 12th Street & Fruitvale Avenue; E 10th Street & Fruitvale Avenue). Crash data for the study intersections were obtained from the Statewide Integrated Traffic Records System (SWITRS) for the five-year period between January 1, 2015 and December 31, 2019. Crashes were attributed to a study intersection if they were reported in the police report as located within 250 feet of the intersection, consistent with Caltrans guidance. Appendix D contains the SWITRS crash data. The four study intersections have a collision frequency of about 14.5 collisions per year on average.

Oakland's 2017 Pedestrian Plan, *Oakland Walks!*, identifies Fruitvale Avenue (between Alameda Avenue and East 16th Street) and International Boulevard (between 16th Avenue and 28th Avenue) as high injury corridors, International Boulevard and 35th Avenue as a high priority intersection, and International Boulevard, between 16th Avenue and 28th Avenue as a high-speed corridor near the Project site.

The crashes summarized below do not indicate a clear pattern for a particular deficiency that the construction of the project would make worse. Therefore, no recommendations related to collision history are recommended.

Crashes by Type

Table 3-11 summarizes the crashes by type for the study intersections. Seventy-three total crashes occurred at the four signalized study intersections between 2015 and 2019. No collisions were reported at the two driveway locations. Broadside crashes were the most prevalent, accounting for 28 crashes. Rear end and sideswipe were the next most common crash types with 19 and 13 crashes of those types occurring, respectively.

Table 3-11: Total Crashes by Type (2015-2019)

Year	Head-On	Sideswipe	Rear End	Broadside	Hit Object	Overturn	Other	Total Crashes
2015	0	2	3	3	1	1	1	**11**
2016	0	5	4	7	0	1	0	**17**
2017	2	1	6	6	0	0	0	**15**
2018	0	4	3	4	2	0	1	**14**
2019	2	1	3	8	1	0	1	**16**
Total	**4**	**13**	**19**	**28**	**4**	**2**	**3**	**73**

Source: SWITRS, 2015-2019

Crashes by Severity and Location

Table 3-12 summarizes the crash severity, as well as the number of person-injuries by intersection. As presented in the table, 37 person-injuries and zero fatalities occurred at the signalized study intersections between 2015 and September 2020. Of the 37 people injured, 34 were vehicle drivers or passengers and 3 were bicyclists; none were pedestrians. One of the person-injuries resulted in visible injury while the other 27 complained of pain.

Table 3-12: Crashes by Severity and Intersection (2015-2019)

Intersection	PDO Crashes	Injury Crashes	Fatality Crashes	Total Crashes	Person-Injuries			
					Bike	Ped	Driver/ Passenger	Total
(1) E 12th Street & 29th Avenue	11	9	0	20	1	0	11	12
(2) E 12th Street & Derby Avenue	5	6	0	11	0	0	9	9
(3) E 12th Street & Fruitvale Avenue	16	9	0	25	1	0	11	12
(4) E 10th Street & Fruitvale Avenue	13	4	0	17	1	0	3	4
Total	**45**	**28**	**0**	**73**	**3**	**0**	**34**	**37**

Source: SWITRS, 2015-2019
Notes: PDO = Property Damage Only; Ped = Pedestrian

Crashes by Primary Collision Factor

Table 3-13 summarizes crashes by primary collision factor. Of the 73 crashes, 69 were the result of a vehicle code violation while the other four were listed as "unknown". "Improper Turning" and "Traffic Signals and Signs" were the most common violation, accounting for 17 crashes each. "Unsafe speed" was the third most common citation, contributing to 14 crashes.

Table 3-13: Crashes by Primary Collision Factor (2015-2019)

Year	Automobile Right of Way	DUI	Following Too Closely	Improper Turning	Other Hazardous Violation	Traffic Signals and Signs	Unsafe Lane Change	Unsafe Speed	Unsafe Starting or Backing	Unknown	Total
2015	2	2	0	1	0	1	1	3	0	1	**11**
2016	1	1	1	4	2	2	0	3	1	2	**17**
2017	1	0	1	0	3	4	0	4	1	1	**15**
2018	2	1	0	7	0	2	0	2	0	0	**14**
2019	2	1	0	5	0	7	0	1	0	0	**16**
Total	**8**	**5**	**2**	**17**	**5**	**16**	**1**	**13**	**2**	**4**	**73**

Source: SWITRS, 2015-2019
Notes: DUI = Driving Under the Influence

AT-GRADE RAILROAD CROSSING SAFETY EVALUATION

The City of Oakland's Standard Condition of Approval (SCA)#79: Railroad Crossings requires the preparation of a Diagnostic Review for projects located within a 0.25-mile of an at-grade railroad crossing that generate substantial vehicle, bicyclist, and/or pedestrian traffic. As shown in Table 3-7, the Project

would generate 802 daily person trips, including 432 vehicle trips, 242 transit trips, 86 walk trips, and 42 bike trips. There is one existing railroad crossing on 29th Avenue (749621T)[15], approximately 800 feet southwest of the proposed exit driveway on 29th Avenue and one existing railroad crossing on Fruitvale Avenue (749707C)[16], approximately 800 feet southeast of the proposed entrance driveway at E 10th Street and Derby Avenue.

Crossing Characteristics

The railroad crossings located in the Project vicinity are shown in Figure 3-10. The features of these crossings are summarized in Table 3-14 and described in this section. The two crossings were reviewed for compliance with California Manual on Uniform Traffic Control Devices (CA-MUTCD).

[15] United States Department of Transportation, Federal Railroad Administration, Crossing Number. https://safetydata.fra.dot.gov/officeofsafety/publicsite/DownloadCrossingInventoryData.aspx. Accessed January 29, 2021.

[16] United States Department of Transportation, Federal Railroad Administration, Crossing Number. https://safetydata.fra.dot.gov/officeofsafety/publicsite/DownloadCrossingInventoryData.aspx. Accessed January 29, 2021.

H:\24\24921 - Derby Avenue Charter School Oakland\analysis\gis\figures\24921_RailroadCrossings_20210201.mxd - amcintyre - 1:56 PM 2/1/2021

At-Grade Railroad Crossings
Oakland, California

Figure **3.10**

KITTELSON & ASSOCIATES

Coordinate System: NAD 1983 StatePlane California IV FIPS 0404 Feet
Data Source: City of Oakland; Alameda County

Table 3-14: Existing At-Grade Railroad Crossings in the Study Area

Railroad Crossing	Federal Railroad Administration Identification	Crossing Type / Purpose	Type of Train	Daily Train Movements (Day / Night)[1]	Type of Train	Typical / Max. Crossing Speed (mph)[2]
29th Avenue	749621T	Public / Highway	Freight & Intercity Passenger	10 / 10	Freight & Intercity Passenger	30-60 / 79
Fruitvale Avenue	749707C	Public / Highway	Freight & Intercity Passenger	10 / 10	Freight & Intercity Passenger	30-60 / 79

Source: US DOT Federal Railroad Administration Inventory Report
Notes: mph = miles per hour
[1] Total day through trains between 6 a.m. and 6 p.m.; Total night through trains between 6 p.m. and 6 a.m.
[2] Typical = typical speed range over crossing in miles per hour; Max. = maximum timetable speed at crossing in miles per hour

29th Avenue Railroad Crossing

The railroad crossing on 29th Avenue is defined as a public, highway, at-grade crossing. The primary operating railroad company that uses this crossing is Union Pacific Railroad (UP), while a secondary operating railroad company that also uses this crossing is Amtrak. According to the Federal Railroad Administration's inventory database, there are an estimated 10 trains per day (between 6 a.m. and 6 p.m.) and 10 trains per night (between 6 p.m. and 6 a.m.) and less than one of these is a passenger train. The typical speed for a train over this crossing ranges from 30 to 60 miles per hour (mph), with the maximum timetable speed being 79 mph. Passive traffic control devices associated with the crossing include: CA-MUTCD required pavement markings (stop lines and railroad crossing signals) and advance warning signs. Active traffic control devices provided at this crossing include: two roadway gate arms in a two-quadrant gate configuration, two mast-mounted flashing lights with black lights and LED and a total of four flashing light pairs. Traffic signal interconnections with advance pre-emption are provided. The path of travel for people crossing the tracks is within the automatic gate arms and physical barriers are present to prevent people from walking across the tracks when a train is approaching. However, it lacks ADA compliant sidewalks as the sidewalk does not continue through the crossing and detectable warning surfaces are not present.

Fruitvale Avenue Railroad Crossing

The railroad crossing on Fruitvale Avenue is defined as a public, highway, at-grade crossing. The primary operating railroad company that uses this crossing is UP, while a secondary operating railroad company that also uses this crossing is Amtrak. The types of trains that travel in and out of the area are freight and intercity passenger trains. According to the Federal Railroad Administration's inventory database, there are an estimated 10 trains per day (between 6 a.m. and 6 p.m.) and 10 trains per night (between 6 p.m. and 6 a.m.) and less than one of these is a passenger train. The typical speed for a train over this crossing ranges from 30 to 60 miles per hour (mph), with the maximum timetable speed being 79 mph. Passive

traffic control devices associated with the crossing include: CA-MUTCD required pavement markings (stop lines and railroad crossing signals) and channelization devices/medians on all approaches. Active traffic control devices provided at this crossing include: two roadway gate arms in a two-quadrant gate configuration, two cantilevered or bridged flashing LED light structures over the traffic lane, four mast-mounted flashing lights with black lights and LED and a total of 13 flashing light pairs. Traffic signal interconnections with advance pre-emption and highway traffic pre-signals are also provided. ADA compliant sidewalks are provided. However, the path of travel for people crossing the tracks is around the outside of the automatic gate and no physical barriers are present to prevent people from walking across the tracks when a train is approaching.

Railroad Crash Data

In addition to the historical crash data that was obtained SWITRS to review collisions that took place in the Project vicinity crash data was gathered directly at these crossing locations from the Federal Railroad Administration. According to the FRA's Accident Reports, a total of ten crashes have occurred at the crossing on 29th Avenue in the past 40 years (between 1980 and 2020) and a total of nine crashes have occurred at the crossing on Fruitvale Avenue in the past 37 years (between 1978 and 2015). Of the ten crashes that occurred at the crossing on 29th Avenue, one resulted in a fatality and two resulted in injury. Six of the ten crashes involved a passenger train, three involved a freight train, and one involved a light locomotive. There were no pedestrian-involved crashes at the 29th Avenue crossing location. Of the nine crashes that occurred at the crossing on Fruitvale Avenue, four resulted in a fatality (two auto-involved and two pedestrian-involved). Six of the ten crashes involved a passenger train, two involved a freight train, and one involved a light locomotive. The two pedestrian-involved crashes at Fruitvale Avenue resulted in fatalities.

The FRA has designed a Web Accident Prediction System (WBAPS)[17] for public at-grade highway-rail crossings. The tool generates an accident prediction value for the probability that a collision may occur between a highway vehicle and a train over a one-year period. The accident prediction data is based upon historical crash data from the past five years at the crossing and the crossing's characteristics. Using the accident prediction system, it is forecasted that there will be a 1.6 percent probability that a collision would occur at the crossing on 29th Avenue in one year. For the crossing on Fruitvale Avenue, the model anticipates a probability of 1.0 percent that a crash would occur in one year. The accident prediction values for both crossings are relatively low, as a result of the fact that there have been three crashes on the 29th Avenue crossing and no crashes at the Fruitvale Avenue within the past five years.

Diagnostic Review

The project sponsor and their consultant shall work with Union Pacific Railroad and the City to request a diagnostic review of both the 29th Avenue and Fruitvale Avenue railroad crossings near the Project by the

[17] Federal Railroad Administration Web Accident Prediction System. Retrieved from https://safetydata.fra.dot.gov/webaps/

California Public Utilities Commission (CPUC). Where the diagnostic review identifies potentially substantially dangerous crossing conditions, measures relative to the Project's traffic contribution to the crossings shall be applied through Project redesign and/or incorporation of appropriate measures to reduce potential adverse impacts at the crossings. Based on the initial review summarized in this section, these measures may include:

- Installation of additional warning devices
- Installation of gate arms in all four quadrants of the crossing
- Installation of additional warning signage and pavement markings such as advance warning sign W10-1
- Roadway resurfacing and sidewalk rehabilitation to provide a smooth travel path and ADA compliant sidewalks with truncated domes of adequate width where pedestrian path of travel is not obstructed by railroad crossing equipment.

Any proposed improvements must be coordinated with CPUC and affected railroads and all necessary permits/approvals obtained, including a GO 88-B Request (Authorization to Alter Highway Rail Crossings).

CONSTRUCTION IMPACTS

Detailed construction plans have not been finalized. However, preliminary information regarding construction activity has been provided by the project sponsor. According to information provided by the applicant, construction staging would occur within the confines of the site and would not require travel lane or sidewalk closure. As shown in the traffic control plan provided as Appendix F, flashing warning lights and trucks entering/exiting signage would be provided on both sides of each site driveway.

The effects of construction traffic on the circulation network would be a temporary lessening of the capacities on surrounding roadways and truck routes, as well as connecting local streets, due to the slower movement and larger turning radii of trucks. Construction truck and worker vehicle traffic could result in minor congestion and conflicts with vehicles, transit, pedestrians and bicyclists. Construction activities would be temporary and limited in duration. The project sponsor could schedule the majority of construction activity to occur during off-peak hours when traffic volumes are minimal, which would lessen the potential for conflicts with existing travel patterns.

The Project would be required to meet requirements of SCA74: Construction Activity in the Public Right-of-Way.

KITTELSON & ASSOCIATES
155 GRAND AVENUE, SUITE 900
OAKLAND, CA 94612
P 510.839.1742 F 510.839.0871

Section 4 Transportation and Parking Demand Management Plan

4. TRANSPORTATION AND PARKING DEMAND MANAGEMENT PLAN

Per SCA #77: Transportation and Parking Demand Management, all land use projects that generate more than 50 net new a.m. or p.m. peak hour vehicle trips must prepare a transportation and parking demand management plan. The Project is expected to generate more than 50 net vehicle trips during both peak hours (118 a.m. peak hour vehicle trips and 70 p.m. peak hour vehicle trips). Per the TDM plan goals included in the City's TIRG, the TDM plan should:

- Reduce vehicle traffic and parking demand generated by the project to the maximum extent practicable, consistent with the potential traffic and parking impacts of the project.
- Achieve 20 percent vehicle trip reduction (VTR).
- Incorporate location dependent TDM features per Table 4 of the TIRG.
- Increase pedestrian, bicycle, transit, and carpool modes of travel; and
- Enhance the City's transportation system.

A TDM plan was developed for the project that would:

- Reduce the number of vehicle trips generated by the Project by at least 20 percent.
- Include location-dependent pedestrian network improvements.
- Increase pedestrian, bicycle, transit, and carpool modes of travel; and
- Enhance the City's transportation system.

This section discusses the TDM measures that compose the TDM plan and the anticipated VTR associated with each measure. The TDM plan includes strategies identified in the TIRG and SCA, as applicable.

TDM Measures

The following TDM measures comprise the recommended TDM strategies to be implemented by the Project in addition to the mandatory TDM measures required in Table 4 of the TIRG. These measures have been recommended based on their anticipated ability to meet the required VMT reduction. However, the TDM Plan is flexible. The effectiveness of the TDM Plan will be evaluated as part of the monitoring and reporting program and strategies can be substituted or altered throughout the life of the Project if alternate measures are preferable or deemed more effective. These TDM measures along with the mandatory TDM measures are documented in Appendix E.

TDM Program Coordinator

Description: The TDM Program Coordinator is responsible for implementation, monitoring, and reporting of the TDM Plan. The TDM Coordinator would facilitate site inspections by City staff to verify that the standards specified as conditions of approval are met. This person(s) can be a school employee or a third-party provider that runs the program.

Target Users: Not applicable

Range of Effectiveness: Not applicable

Estimated Vehicle Trip Reduction: Not applicable

Transit and Bicycle Incentives

Description: The Project would provide subsidized/discounted daily or monthly public transit or bike share passes. The VMT reduction calculation assumes the Project would provide the equivalent of a $1.50 per trip subsidy for these modes.

Target Users: All staff and students

Range of Effectiveness: 0.3% to 20%

Estimated Vehicle Trip Reduction: 12.9%

School Pool Program

Description: The Project would develop and implement a ridesharing or carpooling program for students. The ridesharing "School Pool" program will help to match parents to transport students to/from campus. The VMT reduction calculation assumes aggressive implementation with a 35 percent adoption rate.

Target Users: All students

Range of Effectiveness: 7.2% to 15.8%

Estimated Vehicle Trip Reduction: 15.8%

Vehicle Trip Reduction Marketing Program

Description: Information sharing, and marketing are important components to successful vehicle trip reduction strategies. The Project would develop and implement a vehicle trip reduction program. Vehicle trip reduction marketing elements may include transit information packets and programs, such as the guaranteed ride home program, pre-tax commuter benefits, and on-site sales of transit passes, to support sustainable modes. The appointed transportation coordinator will provide trip planning assistance and provide information on transportation options for students and staff.

Target Users: All staff and students

Range of Effectiveness: 0.8% to 4%

Estimated Vehicle Trip Reduction: 4%

Bike Parking

Description: Having accessible, secure, and convenient places to store bicycles encourages residents to bike to and from the project site. The project will include both long-term and short-term bicycle parking on-site, as well as a bike repair station. The Project would provide short-term and long-term bicycle parking facilities to meet maximum estimated demand. The number of bicycle parking spaces would be equitably adjusted (increased) based on observed demand.

Target Users: All staff and students

Range of Effectiveness: 0.625%

Estimated Vehicle Trip Reduction: 0.625%

Pedestrian and Bicycle Network Improvements

Description: The Project would implement improvements to the pedestrian and bicycle network to encourage people to walk/bicycle instead of drive. The Project would also minimize barriers to pedestrian/bicycle access and interconnectivity. The Project would implement the following improvements:

- Restripe existing crosswalks in yellow to indicate a school crossing per the California MUTCD at East 12th Street & Derby Avenue and 29th Avenue & Fruitvale Station Shopping Center/Animal Services Driveway
- Dedicate a crossing guard at E 12th Street & 29th Avenue.
- Work with the City to determine the feasibility of closing the bicycle lane gap on 29th Avenue between E. 10th Street and E. 12th Street. If feasible, contribute to the implementation of the class 2 bicycle lane relative to the project's contribution to bicycle traffic along 29th Avenue.
- Where the railroad crossing diagnostic review identifies potentially substantially dangerous crossing conditions at the at-grade railroad crossings near the Project on 29th Avenue and Fruitvale Avenue, the project sponsor shall pay for improvements relative to the project's contribution to the crossing. Until the recommend improvements from the diagnostic review are implemented (may need improvements installed before school operation), the Project will dedicate a staff member to act as a crossing guard during the morning and afternoon commute periods (7:30-8:30 a.m. and 3:20-4:20 p.m.) to ensure safe crossing for students.

Target Users: All staff and students

Range of Effectiveness: 0 to 2%

Estimated Vehicle Trip Reduction: 2%

Vehicle Trip Reductions

Vehicle trip reduction (VTR) for the TDM measures are based on the estimated VMT and VTR rates developed by the California Air Pollution Control Officers Association (CAPCOA) and documented in the report *Quantifying Greenhouse Gas Mitigation Measures* (August 2010). The selected TDM strategies and estimated vehicle trip reduction calculations are described in this section and summarized in Table 4-1.

Table 4-1: TDM Measures and Estimated Vehicle Trip Reduction Rate

TDM Measures[1]	Range of Vehicle Trip Reduction Rate	Estimated Vehicle Trip Reduction Rate[2]
TDM Coordinator	-	-
Bike Parking	0.625%	0.625%
Transit and Bicycle Subsidies	0.3% to 20%	12.9%
School Pool Program	7.2% to 15.8%	15.8%
Pedestrian and Bicycle Network Improvements	0% to 2%	2%
Vehicle Trip Reduction Marketing	0.8% to 4%	4%
All Strategies	**-**	**35.325%**

Source: Kittelson & Associates, Inc. 2021; California Air Pollution Control Officers Association, *Quantifying Greenhouse Gas Mitigation Measures*, August 2010.
Notes:
[1] The TDM measures and estimated vehicle trip reduction rates were obtained from CAPCOA: Bike Parking, SDT-6; Transit Subsidies, TRT-4, School Pool Program, TRT-10, Pedestrian Network Improvements, SDT-1, Vehicle Trip Reduction Marketing, TRT-7, Price Parking, TRT-14.
[2] Vehicle trip reduction rate estimated based on the estimated level of adoption and aggressiveness of implementation of a given strategy.

The VMT reduction achieved by the Project depends on the measures implemented and the level of adoption or aggressiveness of the strategies. As shown, based on quantification methods provided in CAPCOA, with implementation of the selected TDM measures, the Project would meet the 20% vehicle trip reduction required per SCA#77. In addition to the measures identified above, the Project would Incorporate location dependent TDM features per Table 4 of the TIRG. The TDM plan and vehicle trip reduction calculations are presented in Appendix E.

TDM Monitoring and Reporting Program

The project sponsor is required to submit an annual compliance report for review and approval by the City. This report will be submitted within one year of occupancy and every following year for a total of at least five years. The report will be reviewed either by City staff (or a peer review consultant, chosen by the City and paid for by the sponsor). If timely reports are not submitted, the reports indicate a failure to achieve the stated policy goals, or the required alternative mode split is still not achieved, staff will work with the project sponsor to find ways to meet their commitments and achieve trip reduction goals. If the issues cannot be resolved, the matter may be referred to the Planning Commission for resolution. Project sponsors shall be required, as a condition of approval to reimburse the City for costs incurred in maintaining and enforcing the trip reduction program for the approved project.

KITTELSON & ASSOCIATES
155 GRAND AVENUE, SUITE 900
OAKLAND, CA 94612
P 510.839.1742 F 510.839.0871

Section 5 Parking Needs Assessment

5. PARKING NEEDS ASSESSMENT

A parking needs assessment was conducted to identify if the proposed on-site parking and available on-street parking is sufficient to meet the demand of the Project.[18] The proposed site plan includes a total of 71 parking spaces, including 3 ADA spaces. Based on the average ITE trip generation and accounting for the City of Oakland TIRG adjustment for proximity to transit, the estimated average parking demand is 56 parking spaces as shown in Table 5-1. The remainder of this section focuses on assessing parking for after school events which may use nearby street parking.

Table 5-1: Estimate Parking Demand for During School Day

	Size	Unit	Rate	Avg. Demand
ITE 530 Parking Demand	400	Students	0.26	104
TIRG Adjustment (53.1%)			0.12	-48
Final Parking Demand			0.14	56

PARKING INVENTORY & DATA COLLECTION

Parking occupancy counts were collected on each of the streets surrounding the Project site on August 18, 2020[19]. An inventory of existing parking spaces and occupancy counts were collected every hour between 6:30 a.m. and 7:00 p.m. on Tuesday, August 18, 2020. Figure 5-2 illustrates the data collection corridors and Table 5-2 provides the existing parking inventory for each area.

Table 5-2: Parking Inventory

Corridor Number	Corridor	Location	Inventory
1	San Leandro St – Fruitvale Ave to 34th Ave	North side	12
		South side	18
2	E 10th St – Derby Ave to Fruitvale Ave	North side	14
		South side	9
3	Derby Ave – E 10th St to E 12th St	East side	1
		West side	4

[18] On-street parking is under the City's jurisdiction and the supply and availability is dynamic and can change at any time. Any recommendations are subject to ongoing monitoring and adjustment.

[19] Data was collected during the shelter in place orders related to COVID-19. The COVID-19 pandemic has resulted in shelter-in-place orders across the Bay Area and has affected travel behavior and parking demand. These changes are the result of multiple factors such as school closures, restrictions on business operations, and an increased amount of telecommuting. The parking utilization data is used for informational purposes and the study acknowledges that any recommendations are subject to ongoing monitoring and adjustment.

Corridor Number	Corridor	Location	Inventory
4	30th Ave – E 12th St to International Blvd	East side	15
		West side	13
5	Derby Ave – E 12th St to International Blvd	East side	9
		West side	10
6	?13th St – Derby Ave to Fruitvale Ave	North side	15
		South side	14
7	31st Ave – E 12th St to International Blvd	East side	12
		West side	7
8	E 12th St – 29th Ave to Fruitvale Ave	North side	29
		South side	45
Study Area Total:			**227**

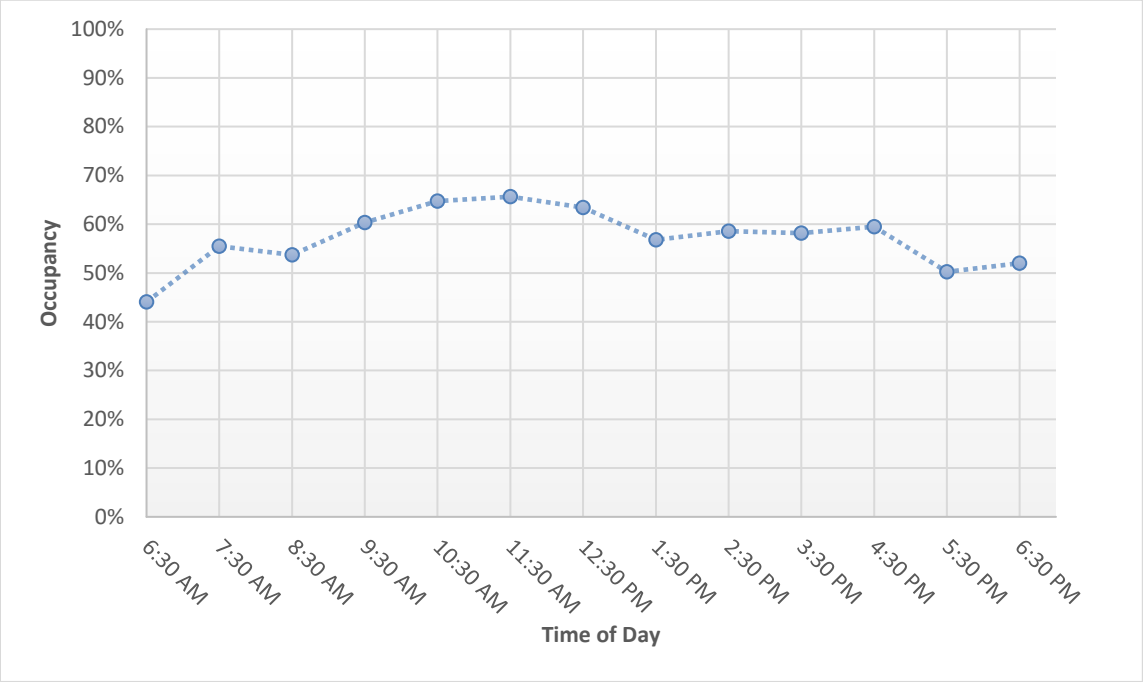
In addition to the 227 on-street parking spaces available in the study area, an additional 25 spaces are available in a private lot south of E 10th Street. The Fruitvale BART Station also provides free parking for round-trip BART riders in its garage on the southeast corner of Fruitvale Avenue and E 12th Street during certain hours (all day on weekends; 3:00 p.m. to 4:00 a.m. on weekdays).

PARKING OCCUPANCY ANALYSIS

As shown in Table 5-2, a total of 227 on-street parking spaces are present within the study area. All parking spaces in this analysis are on-street, unmetered spaces with time-of-day restrictions for street cleaning (generally two times per month).

On average during the data collection period, 130 of the 227 available parking spaces were in use, or about 57%. The time of day with the lowest occupancy rate was 6:30 a.m., when 100 vehicles were parked in spaces (44% occupancy rate); while the time of day with the highest occupancy rate was 11:30 a.m., when 149 vehicles were parked (66% occupancy rate). Figure 5-1 shows the occupancy rate for the study area by time of day. Table 5-3 provides a summary of the parking analysis for each parking corridor near the Project site. San Leandro Street (between Fruitvale Avenue and 34th Avenue) and 31st Avenue (between E 12th Street and International Boulevard) saw the highest occupancy levels on average – 93% and 82%, respectively. The corridors closest to the Project site (E 12th Street, Derby Avenue, and E 10th Street) saw the lowest occupancy rates. The south side of E 12th Street has the highest number of parking spaces of any corridor in this analysis and saw the lowest occupancy rate of 16%. On average, 38 of this corridor's 45 spaces are unused.

Figure 5-1: Parking Occupancy Rate by Time of Day



Legend

- 1 San Leandro St (Fruitvale Ave to 34th Ave)
- 2 E. 10th St (Derby Ave to Fruitvale Ave)
- 3 Derby Ave (E. 10th St to E. 12th St)
- 4 30th Ave (E. 12th St to International Blvd)
- 5 Derby Ave (E. 12th St to International Blvd)
- 6 E. 13th St (Derby Ave to Fruitvale Ave)
- 7 31st Ave (E. 12th St to International Blvd)
- 8 E. 12th St (29th Ave to Fruitvale Ave)

Parking Data Collection Locations Oakland, California

Figure **5.2**

KITTELSON & ASSOCIATES

Coordinate System: NAD 1983 StatePlane California IV FIPS 0404 Feet
Data Source: City of Oakland; Alameda County

H:\24\24921 - Derby Avenue Charter School Oakland\analysis\gis\figures\24921_ParkingDataCollection_20210201.mxd - amcintyre - 1:23 PM 2/1/2021

Table 5-3: Parking Occupancy Summary

No.	Corridor	Inventory	Minimum			Maximum			Average	
			Time	Parked	Occupancy	Time	Parked	Occupancy	Parked	Occupancy
1	San Leandro St – Fruitvale Ave to 34th Ave	30	12:30 p.m.	25	83%	7:30 a.m.	31	103%	28	93%
2	E 10th St – Derby Ave to Fruitvale Ave	23	6:30 a.m.	6	26%	10:30 a.m.	20	87%	13	57%
3	Derby Ave – E 10th St to E 12th St	5	6:30 a.m.	1	20%	10:30 a.m.	2	40%	1	20%
4	30th Ave – E 12th St to International Blvd	28	6:30 a.m.	14	50%	7:30 a.m.	27	96%	23	82%
5	Derby Ave – E 12th St to International Blvd	19	6:30 a.m.	6	32%	4:30 p.m.	19	100%	12	63%
6	E 13th St – Derby Ave to Fruitvale Ave	29	8:30 a.m.	14	48%	10:30 a.m.	25	86%	21	72%
7	31st Ave – E 12th St to International Blvd	19	6:30 a.m.	9	47%	9:30 a.m.	13	68%	11	58%
8	E 12th St – 29th Ave to Fruitvale Ave (south side)	45	6:30 a.m.	4	9%	12:30 p.m.	11	24%	7	16%
8	E 12th St – 29th Ave to Fruitvale Ave (north side)	29	7:00 p.m.	12	41%	7:30 a.m.	18	62%	16	55%
Study Area		**227**	**6:30 a.m.**	**100**	**44%**	**11:30 a.m.**	**149**	**66%**	**130**	**57%**

EVENT CONDITIONS ANALYSIS

Outside of regular school hours, the school plans to host several special events throughout the year that may increase demand for parking in the area. The Project sponsor provided a list of these events, including each event's frequency, the expected number of attendees, and the time of day. These details are outlined in Table 5-4. Discuss how parking demand calculations are derived and are different for normal school hours versus extended and special events. Also, specify the maximum parking demand number for both normal hours and extended hours/special events. Input is needed to determine the required on-site parking number. It may not be advisable to rely on off-site parking over time, as new uses move in and shelter in place is lifted.

Table 5-4 :Potential Special Events

Event	Frequency	Number of Attendees	Time*
Back to School Night	Yearly	200	5:00 – 6:30 p.m.
Program Reviews for Parents	Two per year	100	6:00 – 7:30 p.m.
Festivals / Outreach Events	Two per year	100	12:00 – 3:00 p.m. on Saturdays
School Dances	Three per year	300	6:00 – 7:30 p.m.
Family Leadership Council Meetings	Monthly	50	5:00 – 6:30 p.m.

* Weeknight unless otherwise specified.

Each event and its effect on parking is addressed below.

- Back to School Night – between 5:00 and 6:30 p.m., there is approximately 50% occupancy for on-street parking. During this event, approximately 114 on-street parking spaces and 71 on-campus parking spaces will be available, for a total of 185 spaces. Assuming a 53.1% vehicle mode share consistent with the TIRG and an average occupancy of 1.5 people per vehicle, the estimated parking demand would be about 71 vehicles for the 200 attendees and an additional 30 for staff assuming all staff drive alone to the event for a total of 101 vehicles requiring about 30 parking spaces off-site.

- Program Reviews for Parents – between 6:00 and 7:30 p.m., there is approximately 50% occupancy for on-street parking. During this event, approximately 114 on-street parking spaces and 71 on-campus parking spaces will be available, for a total of 185 spaces. Given that people may choose to carpool, use ride hailing services, or other modes, it is anticipated that vehicle parking demand associated with the 100 attendees would be accommodated within the school's parking lot. Assuming a 53.1% vehicle mode share consistent with the TIRG and an average occupancy of 1.5 people per vehicle, the estimated parking demand would be about 36 vehicles for all 100 attendees and an additional 30 for staff assuming all staff drive alone to the event for a total of 66 vehicles. These can all be accommodated within the parking supply of 71 spaces on-site.

- Festivals/Outreach Events – Assuming a 53.1% vehicle mode share consistent with the TIRG and an average occupancy of 1.5 people per vehicle, the estimated parking demand would be about 36 vehicles for all 100 attendees and an additional 30 for staff assuming all staff drive alone to the event for a total of 66 vehicles. These can all be accommodated within the parking supply of 71 spaces on-site.
- School Dances – between 6:00 and 7:30 p.m., there is approximately 50% occupancy for on-street parking. During this event, approximately 114 on-street parking spaces and 71 on-campus parking spaces will be available, for a total of 185 spaces. Assuming a 53.1% vehicle mode share consistent with the TIRG and an average occupancy of 1.5 people per vehicle, the estimated parking demand would be about 107 vehicles for all 300 attendees with additional vehicles to accommodate staff. Therefore, it is likely that there will be a deficit of available parking on-site for school dances.
- Family Leadership Council Meetings – attendance at these meetings is anticipated to be about 50. The school's parking lot has 71 parking spaces which should be sufficient to accommodate all vehicles on the Project site, even if everyone drives alone.

Based on the parking occupancy analysis and proposed on-site parking plan, special events with 200 or more attendees are expected to generate parking demand in excess of the parking supply provided on-site. A parking management measure, *Improvement Measure TR-7*, is proposed to minimize potential for adverse effects related to event parking demand.

Improvement Measure TR-7: Implement Special Event Parking Management Strategies

The project sponsor shall prepare an annual event calendar that anticipates the number of attendees to be submitted to the City. If the event is proposed to have 200 or more attendees, the project sponsor will identify and implement a parking management plan to be submitted to the City along with the calendar. Suggested strategies include, but are not limited to, the following:

- Increase the supply of on-site parking by allowing parking on the basketball courts and playing fields.
- Increase the supply of on-site parking by providing tandem parking and valet service.
- Actively manage parking through use of attendants to direct people to available spaces.
- For events that may generate substantial demand for valet parking in excess of regular (non-event) conditions, the project sponsor will pursue negotiations with off-site facilities to secure access to additional vehicle parking spaces to accommodate events. Possible facilities include Lazear Charter Academy, an EFC owned, and operated facility located two blocks southwest at 824 29th Avenue, and Think College Now, located about block northwest at 2825 International Boulevard.

KITTELSON & ASSOCIATES
155 GRAND AVENUE, SUITE 900
OAKLAND, CA 94612
P 510.839.1742 F 510.839.0871

Section 6 CEQA Analysis

6. CEQA ANALYSIS

CEQA section 21099(b)(1) requires that the State Office of Planning and Research develop revisions to the CEQA Guidelines establishing criteria for determining the significance of transportation impacts of projects that "promote the reduction of greenhouse gas emissions, the development of multimodal transportation networks, and a diversity of land uses." CEQA section 21099(b)(2) states that upon certification of the revised guidelines for determining transportation impacts pursuant to CEQA section 21099(b)(1), 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 under CEQA.

In January 2016, the Office of Planning and Research published for public review and comment a *Revised Proposal on Updates to the CEQA Guidelines on Evaluating Transportation Impacts in CEQA* recommending that transportation impacts for projects be measured using a VMT metric.[20] On April 14, 2017, The City of Oakland issued *Transportation Impact Review Guidelines*[21] that incorporated guidance on using VMT as a key metric in transportation impact analysis of new land development. In December 2018, the California Natural Resources Agency certified and adopted the CEQA Guidelines update package, including the section implementing SB 743 (section 15064.3). The Office of Planning and Research developed a *Technical Advisory on Evaluating Transportation Impacts in CEQA*, which contains OPR's technical recommendations regarding assessment of VMT, thresholds of significance, and mitigation measures.[22]

This section identifies the City's significance criteria and thresholds of significance, presents the methodology and results of the VMT analysis, and addresses potential CEQA Project impacts.

CEQA SIGNIFICANCE CRITERIA

The following are the significance criteria used by the City of Oakland for the determination of impacts associated with a project. The project would have a significant effect on the environment if it would:[23]

- Conflict with a plan, ordinance or policy addressing the safety or performance of the circulation system, including transit, roadways, bicycle lanes, and pedestrian paths (except for automobile level of service or other measures of vehicle delay); or
- Cause substantial additional VMT per capita, per service population, or other appropriate efficiency measure; or

[20] California Office of Planning and Research, *Revised Proposal on Updates to the CEQA Guidelines on Evaluating Transportation Impacts in CEQA, Implementing Senate Bill 743 (Steinberg, 2013)*, accessed February 5, 2021.

[21] City of Oakland, Transportation Impact Report Guidelines, April 14, 2017. http://www2.oaklandnet.com/oakca1/groups/ceda/documents/report/oak063581.pdf, accessed February 5, 2021.

[22] California Office of Planning and Research, Technical Advisory on Evaluating Transportation Impacts in CEQA, December 18, 2018, http://opr.ca.gov/docs/20190122-743_Technical_Advisory.pdf, accessed February 5, 2021.

[23] The project is subject to Senate Bill (SB) 743, which provides that "aesthetics and parking impacts of a residential, mixed-use residential, or employment center project on an infill site within a transit priority area shall not be considered significant impacts on the environment". (CEQA Update: Senate Bill 743 Summary – Aesthetics, Parking and Traffic [November 26, 2013])

- Substantially induce automobile travel by increasing physical roadway capacity in congested areas (i.e., by adding new mixed-flow lanes) or by adding new roadways to the network.

THRESHOLDS OF SIGNIFICANCE

The following are thresholds of significance related to substantial additional VMT per capita[24]:

- For residential projects, a project would cause substantial VMT if it exceeds existing regional household VMT per capita minus 15 percent.
- For office projects, a project would cause substantial additional VMT if it exceeds the existing regional VMT per employee minus 15 percent.
- For retail projects, a project would cause substantial additional VMT if it exceeds the existing regional VMT per employee minus 15 percent.

The Oakland Planning and Building Department has provided screening criteria and thresholds of significance to determine if land uses similar in function to residential, office, and retail would result in significant impacts as it relates to VMT.[25] Under this expanded screening criteria, the Project's proposed land use (K-12 school) should be treated as office.

CONSISTENCY WITH ADOPTED PLANS & POLICIES

Oakland's adopted plans and policies shape the transportation analysis framework. The overall goals of these policies are to achieve an effective, sustainable, multi-modal transportation system for the City, including the City's "Complete Streets Policy" (Resolution No. 84204 C.M.S.) which affirms that the City will provide streets that are safe and convenient for all users of the roadway, including pedestrians, bicyclists, motorists, persons with disabilities, users and operators of public transit, seniors, children, and movers of commercial goods. The proposed project has been evaluated against the following relevant plans, policies and regulations adopted by the City of Oakland.

This section discusses the project's conformance with applicable plans or policies adopted for the purposes of mitigating an environmental effect. As described in this section, the proposed project would not substantially conflict with any such applicable plans or policies. As such, development of the proposed project would result in a less-than-significant impact on adopted land use plans and policies.

Federal Plans, Policies, and Regulations

No federal plans, policies, regulations, or laws pertaining to transportation related to CEQA review have been determined to be applicable to this Project.

[24] Thresholds provided by the City of Oakland Transportation Impact Review Guidelines (TIRG)
[25] A project is considered inconsistent with the Sustainable Communities Strategy if development is located outside of areas contemplated for development in the Sustainable Communities Strategy.

State Plans, Policies, and Regulations

Senate Bill 743

Senate Bill 743 (SB 743) was signed into law in September 2013. Senate Bill 743 (Steinberg, 2013) required changes to the CEQA Guidelines regarding the analysis of transportation impacts. Historically, CEQA transportation analyses of individual projects determined impacts in the circulation system in terms of roadway delay and/or capacity at specific locations. SB 743 changes include the elimination of auto delay, level of service (LOS), and other similar measures of vehicular capacity or traffic congestion as a basis for determining significant impacts. Those proposed changes identify vehicle miles traveled (VMT) as the most appropriate metric to evaluate a project's transportation impacts. Since the bill has gone into effect, automobile delay, as measured by "level of service" and other similar metrics, no longer constitutes a significant environmental effect under CEQA. Auto-mobility (often expressed as "level of service") may continue to be a measure for planning purposes.[26]

In December 2018, the California Governor's Office of Planning and Research (OPR) and the State Natural Resources Agency submitted updated CEQA Guidelines to the Office of Administrative Law for final approval to implement SB 743. The Office of Administrative Law approved the updated CEQA Guidelines, thus implementing SB 743 and making VMT the primary metric used to analyze transportation impacts. The final text, final statement of reasons, and related materials are posted at http://resources.ca.gov/ceqa. The changes have been approved by the Office of the Administrative Law and are now in effect. For land use and transportation projects, SB 743-compliant CEQA analysis became mandatory on July 1, 2020.

The City of Oakland's VMT guidelines are outlined in its Transportation Impact Review Guidelines (TIRG) and discussed in the next section along with an analysis of the Project's effect on VMT.

Regional Plans, Policies, and Regulations

Congestion Management Program (CMP)

Alameda County Transportation Commission (Alameda CTC) acts as the Congestion Management Agency for Alameda County. Alameda CTC develops and updates its mandated C*ongestion Management Program* (CMP) every two years to describe strategies to "assess, monitor, and improve the performance of the county's multimodal transportation system; address congestion and ultimately protect the environment with strategies to help reduce greenhouse gas emissions.

The City of Oakland's *Transportation Impact Review Guidelines* (TIRG) outline CMP requirements within transportation impact analyses. As discussed in Section 3, a CMP analysis is required only if a project

[26] Governor's Office of Planning and Research, 2018. Technical Advisory on Evaluating Transportation Impacts in CEQA, Implementing Senate Bill 743 (Steinberg, 2013)

generates 100 PM peak hour vehicle trips on a roadway segment designated as part of the CMP Network[27]. As shown in Table 3-7, the Project would generate 70 vehicle trips during the PM peak hour. Given that the Project is estimated to generate fewer than 100 vehicle trips during the PM peak hour[28], this analysis is not required and is absent from this study.

Plan Bay Area 2040

The Metropolitan Transportation Commission (MTC) and Association of Bay Area Governments completed the Bay Area's update to its long-range Regional Transportation Plan and Sustainable Communities Strategy, which was adopted in 2013. The document describes growth and development in the region over a 20-year horizon and identifies transportation and land use strategies to enable a more sustainable, equitable, and economically vibrant future.

Local Plans, Policies, and Regulations

City of Oakland General Plan

The City of Oakland General Plan (General Plan) is a comprehensive plan for growth and development of the City. The General Plan includes policies related to land use and transportation; open space, conservation and recreation; housing; historic resources; noise; and bikes and pedestrians. These topics are addressed within individual elements of the General Plan.

The General Plan contains many policies, which may in some cases address different goals; thus, some policies may compete with each other. The Planning Commission/City Council, in deciding whether to approve the proposed project, must decide whether, on balance, the project is consistent (i.e., in general harmony) with the General Plan.

Land Use and Transportation Element (1998)

The Land Use and Transportation Element (LUTE) was adopted in March 1998 and addresses land use and transportation issues. In order to accomplish a more integrated planning process that incorporates City-wide infrastructural needs with neighborhood decision-making, the LUTE includes general development policies for the City, in addition to district-specific policies. The overriding vision for the City that is outlined in the LUTE involves creating "clean and attractive neighborhoods rich in character and diversity, each with its own distinctive identity, yet well-integrated into a cohesive urban fabric" in

[27] The CMP report referenced for this analysis was published in 2019 and can be found here: https://www.alamedactc.org/wp-content/uploads/2019/11/2019_Alameda_County_CMP_FINAL.pdf . The segment of 29th Avenue between the Alameda City limits and the I-880 freeway is designated as a Tier 1 roadway and the segment of 29th Avenue between Ford Street and E 14th Street/International Boulevard is designated as a Tier 2 roadway.

[28] ITE Code 530 for high schools estimates a trip generation rate of 56 vehicles for a 400-student high school during the peak hour of adjacent street traffic, between 4 PM and 6 PM. The 70 vehicle trips estimated in Table 3-7, utilizes the ITE rate for high schools assuming the peak hour of the generator and applies the mode share factor assumptions included in the TIRG.

addition to "a diverse and vibrant downtown with around-the-clock activity." The LUTE includes land use designations for all land within the City of Oakland. The land use designation for the portion of the project site in Oakland is General Industrial (M-30). Oakland's Municipal Code (Section 17.72.030; Table 17.72.01) permits "Community Education" activities within M-30 zones only upon the granting of a Conditional Use Permit. Since project approval would also correspond with the approval of a Conditional Use Permit, the proposed Project would be consistent with the development parameters established for the M-30 designation.

Bicycle Master Plan (2019)

The current Bicycle Master Plan (BMP), *Let's Bike Oakland!,* was adopted in June 2019 as an update to the 2007 plan. The BMP is the official policy document addressing the development of facilities and programs to enhance the role of bicycling as a viable transportation choice in Oakland. The BMP is part of the LUTE of the General Plan. The BMP defines new City policies and recommends actions that would encourage and support bicycle travel improvements. The goals of the BMP include the following:

- Access: Support increased access to neighborhood destinations such as grocery stores, libraries, schools, recreation centers, bus stops and BART.
- Health and Safety: Empower Oaklanders to live a more active lifestyle by providing a network of safe and comfortable bikeways for everyone to enjoy.
- Affordability: Work to reduce the burden of housing and transportation costs on households.
- Collaboration: Foster an increased role for the community in the planning process and impressed trust that the City will fulfill its promises.

The BMP identifies the following improvements to facilities near the project site:

- Class 4 separated bike lanes on 12th Street between 14th Avenue and Fruitvale Avenue
- Class 4 separated bike lanes on Fruitvale Avenue between Alameda Avenue and 10th Street.
- Class 2B buffered bike lanes on Fruitvale Avenue between 10th Street and I-580

The proposed project is generally consistent with BMP. Bicycle parking facilities will be provided on site. The proposed project would not conflict with any of the bike facilities proposed in the BMP.

Pedestrian Master Plan (2017)

The Pedestrian Master Plan (PMP), *Oakland Walks!,* was adopted in June 2017. The vision of the PMP is to make Oakland "a place where vibrant, safe and attractive streets give everyone the opportunity to walk to their destinations and to enjoy the convenience and health benefits of walking". The four goals identified in the PMP are:

- Equity: Recognizing a historical pattern of disinvestment, focus investment and resources to create equitable, accessible walking conditions to meet the needs of Oakland's diverse communities.
- Holistic Community Safety: Make Oakland's pedestrian environment safe and welcoming.

- Vitality: Ensure that Oakland's pedestrian environment is welcoming and well connected, supports the local economy, and sustains healthy communities.
- Responsiveness: Develop and provide tools to ensure that Oakland creates and maintains a vibrant pedestrian environment.

The PMP outlines an action plan to invest in and improve safety in the high injury network and to implement the key policy and programmatic improvements that will make streets safer and more inviting for walking throughout the City. The PMP identifies a targeted set of improvements (38 recommended actions) that can be accomplished in five years. Recommended actions that are applicable to the project include:

- Implement a temporary traffic control protocol for new developments that impact the pedestrian environment.
- Implement the pedestrian safety toolkit.
- Maintain roadway features that reduce speeds and make pedestrian crossings safer.
- Develop a prioritization strategy for implementing the City's Safe Routes to School Program

The proposed Project is generally consistent with the Pedestrian Master Plan as it incorporates features that would enhance and facilitate pedestrian access to and within the project site and not conflict with proposed improvements.

2030 Equitable Climate Action Plan (2020)

The 2030 Equitable Climate Action Plan (ECAP) was adopted by Oakland City Council in July 2020. The ECAP establishes 40 actions across 7 sectors that the City and its partners will take to equitably reduce Oakland's climate emissions and adapt to a changing climate over the next 10 years. The ECAP was developed pursuant to City Council's adopted 2030 greenhouse gas emission reduction target of 56% relative to 2005 levels as well as Oakland's 2018 Climate Emergency and Just Transition Resolution. Oakland's City Council also adopted a 2045 Carbon Neutrality Goal, calling for a dramatic reduction in Oakland's greenhouse gas emissions and decarbonization of the building and transportation sectors by 2045.

Transit First Ordinance

The Transit First Ordinance (Resolution No. 73036 C.M.S.) adopted in October 1996 declares that it shall be the official City policy to encourage and promote the use of public transit and bicycle and pedestrian travel in Oakland. The proposed project is generally consistent with Transit First Ordinance and would encourage and promote the use of public transit and bicycle and pedestrian travel through its proximity to the Fruitvale BART station and AC Transit stops.

Scenic Highways (1974)

The Scenic Highways Element of the General Plan was adopted in 1974 to preserve and enhance "distinctively attractive roadways that traverse the city and the visual corridors which surround them".

The document designates MacArthur Freeway and Skyline Boulevard/Grizzly Park Boulevard/Tunnel Road as current roadways to be included in the scenic route network and recommends future roadways to be added. This Project is not in the immediate vicinity of any designated scenic roadways.

Neighborhood, Area, and Transportation Plans

No neighborhood, area, and transportation plans have been determined to be applicable to this Project.

Department of Transportation Standards, Guidelines, and Resources

Oakland Department of Transportation Strategic Plan

The Oakland Department of Transportation Strategic Plan was published in October 2016. The Strategic Plan defines new City policies and recommends actions that would encourage and support the following goals established for the Oakland Department of Transportation:

- Equitable jobs and housing
- Holistic community safety
- Vibrant sustainable infrastructure
- Responsive trustworthy government

The proposed Project is generally consistent with the Strategic Plan.

Americans with Disabilities Act (ADA) Policy

In accordance with Section 504 of the Rehabilitation Act of 1973, Title II of the Americans with Disabilities Act of 1990, and related state laws, the City of Oakland has developed an ADA policy to protect individuals with disabilities from discrimination and guarantee equal access in local government programs, activities, and services. The proposed Project would be required to construct the school in accordance with the latest ADA guidelines. Therefore, the Project is does not cause a conflict with the ADA policy.

Complete Streets Policy

The Complete Streets Policy (Resolution No. 84204 C.M.S.) adopted in February 2013 recognizes the necessity of providing safe and convenient pedestrian, bicycle, and public transportation travel options. As such, the City will plan, design, construct, operate, and maintain appropriate facilities for pedestrians, bicyclists, transit users of all abilities, children, elderly, and people with disabilities as a routine component of new construction, reconstruction, retrofit, and maintenance projects (subject to some exceptions). Any off-site improvements constructed by the Project would design, construct, operate, and maintain appropriate facilities for pedestrians, bicyclists, and transit users.

VEHICLE-MILES TRAVELED ANALYSIS

A VMT screening analysis was conducted to assess whether the project meets the City's established screening criteria. The results of the VMT screening analysis are shown below and are summarized in this section.

Table 6-1: VMT Screening Analysis

Criteria	Description	Screening Criteria Met?
Small size	Project would generate less than 100 daily vehicle trips	No
Near transit station	Project is located within one-half mile of an existing major transit stop or existing stop along a high-quality transit corridor.	Yes
Low-VMT area	Project is located within a low-VMT area	No

Source: Kittelson & Associates, Inc. 2017; City of Oakland *Transportation Impact Review Guidelines*, April 2017.

Small Size Criterion – Project Trip Generation Estimates

Vehicle trip generation for the project is discussed in Section 3.1. The project is estimated to generate 884 net new daily vehicle trips, 212 net new weekday a.m. peak hour vehicle trips, and 68 net new weekday p.m. peak hour vehicle trips. Because the project would generate more than 100 daily vehicle trips, the project would not meet the established screening criteria for a small size project.

Near Transit Station Criterion

The project is located 0.25 miles from the Fruitvale BART station. Therefore, the Project does meet the screening criterion for being located within 0.5 mile of an existing major transit stop or existing stop along a high-quality transit corridor.

Low-VMT Area Criterion – Map-Based Screening Analysis

The Oakland Planning and Building Department has developed screening criteria and thresholds of significance to determine if land uses similar in function to residential, office, and retail would result in significant impacts related to VMT. For purposes of VMT screening and analysis, K-12 schools are treated as an office use. The City of Oakland VMT screening results are summarized in Table 6-2.

Table 6-2: VMT Screening Results

	VMT / Capita		VMT / Employee	
	Existing	Threshold	Existing	Threshold
All Oakland TAZs	14.9	12.7	21.2	**19.7**

Source: City of Oakland, Bureau of Planning – Strategic Planning Division

As shown in Table 6-2, the average daily VMT per worker in the Project TAZ[29] (926) is 21.2 miles. The regional average daily VMT per worker is 23.2 miles, and the regional threshold (15 percent below the regional average) is 19.7 miles. Daily VMT per worker within the Project exceeds the regional average minus 15% so it does not screen out for being located in a low-VMT area.

Project-Specific VMT Analysis

Given the TAZ data is based on modeled averages and more detailed student home location data is available, a project-specific analysis was conducted to quantify the VMT per student for the proposed school.

Since Latitude High School is operating on the campus of Merritt Community College, this analysis presents VMT metrics for two scenarios: a no project scenario which assumes Latitude High School continues operating at Merritt Community College and a plus project scenario assuming the school is relocated to the Project site.

This analysis reflects VMT per student for the 2022 school year, when Latitude High School will be fully built-out and will include grades 9 through 12. As of the 2020 school year, Latitude High School is comprised of 9th and 10th graders and plans to add one grade level per year through the 2022 school year. The analysis assumes that incoming classes will be primarily comprised of students who currently attend another EFC school. For the purpose of this analysis, the 2022 student population is represented by the previous Epic Middle School 7th and 8th graders and current Latitude High School 9th and 10th graders.

Student home address data was provided for the 2020 student population, consisting of 321 students. The spatial distribution of home addresses in 2020 was assumed to reflect 2022 conditions, including the expansion to 400 total students. A generalized location map of where students live is included in Appendix G.

Daily VMT per student was calculated for each scenario (continued operation at Merritt Community College; relocation to Project site) using the following equation:

[29] TAZ = Traffic Analysis Zone which is a grouping of parcels used in the travel demand model to project growth based on associated lane use.

$$Daily\ VMT\ per\ student = \frac{Average\ trip\ length\ (miles) \times Daily\ trips}{Student\ enrollment}$$

- *Average Trip Length*: Average one-way driving distances between students' home addresses and school sites. Trip lengths were calculated using an ArcGIS Online tool.
- *Daily trips*: Daily trip generation of the Project, calculated using ITE trip generation rates for Land Use 530 (High School).

Table 6-3 provides the daily VMT per student for the two scenarios based on this equation. Detailed VMT calculations and maps are provided in Appendix G.

Table 6-3: Daily VMT Per Student by School Location

School Location	Average Trip Length (miles)	Trip Generation Rate	Student Population Sample Size	Daily VMT / Student	City of Oakland Threshold
Merritt Community College (TAZ 885)	5.6	2.03	321	**11.4**	**19.7**
Project Specific	3.2	2.03	321	**6.5**	**19.7**

Sources: Kittelson & Associates, 2020; ITE *Trip Generation Manual, 10th* Edition (2017); City of Oakland, Bureau of Planning – Strategic Planning Division

As shown in Table 6-3, VMT per student associated with both scenarios is below the thresholds for existing VMT per employee for the City of Oakland. If the school remains operating at its current location at Merritt Community College, daily VMT per student is 11.4, which is 8.3 miles (or about 42%) less than the existing VMT per employee threshold for Oakland; the proposed relocation to the Project site results in a VMT per student of 6.5, which is 13.2 miles (or about 67%) below the existing threshold. In comparison to the current location at Merritt Community College, the location on Derby Avenue shows a decrease in daily VMT per student of 4.9 miles, or about 43%. Therefore, the Project has a less-than-significant VMT-related impact. Furthermore, per the SCA#77: Transportation and Parking Demand Management, the Project would be required to implement a TDM plan. Implementation of a TDM plan would reduce VMT generated by the Project.

CEQA PROJECT IMPACTS & PROPOSED MITIGATIONS

TRAF-1 **The proposed project would not conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities. This would be considered a less than significant impact.**

The proposed Project includes the relocation and renovation of an existing charter school in Oakland. Since all improvements would be made within the existing site with no planned changes to the existing circulation system, the Project would not cause conflicts with proposed programs or plans to improve the circulation system for all users including transit passengers, vehicles, bicyclists, and pedestrians. The primary ordinances and policies addressing the circulation system in the area are from the City of Oakland's General Plan (Land Use and Transportation Element). The seven overarching transportation goals and a discussion of whether the Project would conflict with them include:

- ***Capitalize on our location***. *Take full advantage of Oakland's position as a major West Coast transportation hub.*
    - The proposed Project does not interfere with Oakland's goal to capitalize on its location and become a regional transportation hub. The location is easily accessed through the existing regional transportation network, with close proximity to freeways, arterial roadways, and transit stops including the Fruitvale BART station.
- **Integrate land use and transportation planning.** *Integrate transportation and land use planning at the neighborhood, city, and regional levels by developing transit-oriented development, where appropriate, at transit and commercial nodes.*
    - The Project's location within a dense urban area within the City supports the City's goal of an integrated transportation network. The Project does not interfere with any planned improvements to the transportation network.
- **Reduce congestion.** *Reduce congestion and improve traffic flow by developing and integrated road system and traffic demand management system that provides an appropriate mix or mobility and accessibility throughout the city.*
    - Based on the traffic operations analysis, the Project is not expected to significantly impact congestion or delay on the roadway network. In addition, its location near high-capacity transit provides students with options to reduce vehicle trips and reduce congestion.
- **Promote alternative transportation options.** *Reduce dependency on the automobile by providing facilities that support use of transportation modes.*
    - The Project is located near several local transit stops and the Fruitvale BART station and is integrated into the City's existing bicycle and pedestrian networks. With such close proximity to high-capacity transit, the City's TIRG guidelines expect only 53.1% of trips to be taken by car, supporting the goal of reducing dependency on the automobile.
- **Find funding.** *Program and provide adequate funding for needed transportation facilities and services, and related investments.*
    - The Project does not interfere with funding mechanisms for needed transportation improvements and will work with the City and appropriate agencies to determine its responsibility in needed improvements.

- **Safety.** *Provide safe streets.*
  - The Project will assist its students with safe and accessible routes to and from school by dedicating a crossing guard at E 12th Street & 29th Avenue. The Project will implement infrastructure improvements including restriping the existing crosswalk at E 12th & Derby Avenue and 29th Avenue & Fruitvale Station Shopping Center/Animal Services Driveway in yellow to indicate a school crossing. Additionally, the Project will coordinate with California Public Utilities Commission, Union Pacific, and the City of Oakland to perform a diagnostic study of the crossing to develop recommendations for improving the 29th Avenue and Fruitvale Avenue railroad crossings. Finally, the project will also work with the City to determine the feasibility of closing the bicycle lane gap on 29th Avenue and contribute to its construction if feasible.
- **Improve the environment.** *Improve air quality and reduce exposure to traffic noise.*
  - The Project's urban context allows for a wide range of travel modes to and from school which supports the City's goal to improve air quality and reduce traffic noise.

Since the Project would not make off-site improvements that would conflict with planned programs and plans and would also not conflict with policies governing the local circulation system, it would not result in a significant impact and no mitigation measures would be required.

TRAF-2	**The proposed project would not conflict with or be inconsistent with CEQA Guideline section 15064.3, subdivision (b), as it would not cause substantial additional VMT per capita, per service population, or other appropriate efficiency measure. This would be considered a less than significant impact.**

The daily VMT per student for the proposed Project was calculated to be 6.5 miles, approximately 67% below the existing City of Oakland VMT per capita threshold of 19.7 miles. Therefore, the Project does not result in a significant impact based on VMT and no mitigation measures would be required. The project would be required to implement a TDM as the peak hour trips are greater than 50. With implementation of the TDM plan (attached), the Project would further reduce any transportation impact to less than significant.

TRAF-3	**The proposed project would not substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment). This would be considered a less than significant impact.**

The Project does not represent an incompatible traffic/transportation use and is in close proximity to other operating schools. The Project is not proposing to make off-site improvements to the local transportation network that would result in sharp curves, dangerous intersections, or other hazards.

The design of the proposed internal drive aisles, access driveways, and other circulation improvements would be required to adhere to the California Department of Education (CDE) guidelines for site design and circulation and City of Oakland Fire Department's design standards which are imposed on project

developments by the State and City's Fire Department during the building plan check and development review process. Compliance with CDE's established design standards and implementation or signage and pedestrian circulation features to be implemented by the City would ensure that hazards due to design features would not occur and that the placement of the circulation improvements would not create a conflict for motorists, pedestrians, or bicyclists traveling within or around the project site.

Since the Project is not incompatible with surrounding land uses, there are no off-site improvements, and all on-site improvements would be made adhering to the latest design standards for both the City of Oakland and the CDE preventing hazardous conditions, the Project would not result in a significant impact and no mitigation measures would be required.

TRAF-4	**The proposed project would not result in inadequate emergency access. This would be considered a less than significant impact.**

Emergency response requires a balance of emergency response time and evacuation needs with other community concerns, such as Urban Design and traffic calming. To address emergency and fire access needs, the site improvements would be required to be designed in accordance with all applicable CDE and the City of Oakland Fire Department design standards for emergency access (e.g., minimum lane width and turning radius). For example, the driveways would be designed to meet the minimum width requirements of City of Oakland Fire Department to allow for the passing of emergency vehicles. Since adequate emergency access will be required per the local fire code and the site plans reviewed by the local fire officials as part of the design review, the Project is not anticipated to result in inadequate emergency vehicle access. Therefore, the Project has a less than significant impact and no mitigation measures would be required.

KITTELSON & ASSOCIATES
155 GRAND AVENUE, SUITE 900
OAKLAND, CA 94612
P 510.839.1742 F 510.839.0871

Section 7 Conclusion

7. CONCLUSION

OVERVIEW

This transportation impact review report was completed for the proposed Derby Avenue Charter School in Oakland, CA. The following summarizes the Project and its conformity with the City of Oakland's *Transportation Impact Review Guidelines*.

- The proposed Project would consist of a charter high school (Latitude High School) operating at 1045 Derby Avenue in Oakland, CA and would serve up to 400 students with 29 employees.
- A trip generation estimate was developed using the ITE *Trip Generation Manual* (10th Edition) for high school land uses. Mode splits were applied from Oakland's TIRG. The net vehicle trips generation for the Project is anticipated to be 432 daily trips, 118 a.m. peak hour trips, and 70 p.m. peak hour trips.
- Traffic operations for each study intersection for "existing" and "existing plus project" conditions remain at level of service "D" or better. The Project is not expected to change the LOS findings except at the Project driveway which operates at LOS B with the Project.
- Access and circulation for pedestrian, bicyclists, transit users, and vehicles will be accommodated by the proposed site plan and the following recommendations.
    - Restrict vehicle left turns from Project driveway onto 29th Avenue.
    - Coordinate with the City of Oakland, Union Pacific, California Public Utilities Commission (CPUC), or other appropriate agencies to address pedestrian crossing concerns at the 29th Avenue and Fruitvale Avenue railroad crossings.
    - Provide staff member at 29th Avenue driveway/gate during drop-off and pick-up times to ensure students safely access campus and do not illegally cross 29th Avenue.
    - Work with the City to determine the feasibility of closing the bicycle lane gap on 29th Avenue between E. 10th Street and E. 12th Street and contribute to its implementation if found to be feasible.
- The Project's provision of on-site vehicle parking spaces (71) is less than the estimated average demand from ITE's *Parking Generation Manual.* However, the site is located near public transit which reduces overall trip generation by 53.1% according to Oakland's TIRG. Therefore, the Project's proposal of 71 parking spaces is expected to be sufficient to meet parking demand on a typical school day. Special events at the Project happening after hours have the potential to exceed the on-site parking supply. Therefore, a parking demand management plan is recommended for any event anticipated to have 200 or more attendees.
- Between 2015 and 2019, 73 vehicle collisions occurred at signalized intersections directly surrounding the school. No collisions resulted in fatalities. Three bicyclists were injured, and zero pedestrians were injured. The collision do not appear to have a specific pattern which would be mitigatable by a specific improvement. Therefore, there are no improvements recommended for vehicles in the vicinity.
- A detailed vehicle-miles traveled (VMT) analysis was conducted. Based on Oakland's TIRG, school projects are subject to guidelines for office land use projects and would represent a significant impact to VMT if it exceeds the existing regional VMT per employee minus 15 percent. The Project is expected to generate 6.5 daily vehicle miles per student, significantly below the existing VMT per employee in Oakland (19.7).

- The Project would not substantially conflict with applicable transportation plans or policies for the project area.
- The Project does not result in a significant impact to the transportation system based on CEQA guidelines.

CONDITIONS OF APPROVAL & MITIGATIONS

This section summarizes the standard conditions of approval and mitigation measures required to reduce any significant impacts generated by the Project to less than significant levels. In addition, recommended improvement measures (or project-specific recommendations) have been proposed in situations where conditions could be improved, or measures implemented to meet City policy objectives, but no significant impacts have been identified.

Standard Conditions of Approval

The Project is subject to the City's Standard Conditions of Approval (SCA) for transportation and traffic, including:

SCA: Construction Activity in the Public Right-of-Way

This SCA would apply during construction activity. If all construction staging cannot be accommodated on-site, the project sponsor must comply with SCA 68 to arrange for use of public right-of-way during construction.

SCA: Bicycle Parking

This project sponsor must provide bicycle parking in compliance with the Oakland Municipal Code, as described in Section 4.7.7.

SCA: Transportation Improvements

The project sponsor must make the recommended improvements discussed in this study presented in Appendix E.

SCA: Transportation and Parking Demand Management

The project sponsor must implement the transportation and parking demand management plan prepared as part of this transportation impact analysis. The TDM plan is discussed in Section 4 of this report. The project sponsor will need to designate an on-site TDM plan coordinator to facilitate implementation, monitoring, and reporting of the plan.

SCA: Railroad Crossings

The project sponsor must complete a diagnostic review to evaluate potential impacts to the at-grade railroad crossings on 29th Avenue and Fruitvale Avenue.

Mitigation Measures

The Project would not have a significant impact on any transportation-related topics, including vehicle miles traveled, induced automobile traffic, or conflicts with existing plans and policies, and no mitigation measures are required.

Improvement Measures/Project-Specific Recommendations

The following improvement measures (or project-specific recommendations) have been identified to further reduce the less-than-significant transportation-related impacts related to vehicle access and circulation, bicycle access, and pedestrian access:

Improvement Measure TR-1: Prohibit Left Turns at the 29th Avenue Project Driveway

As an improvement measure to minimize the potential for queues to develop on site and to maintain better operations at the Project driveway, the project sponsor would prohibit left turns at the 29th Avenue driveway. The project sponsor will work with City staff to identify appropriate pavement markings and signage, compliant with the MUTCD, to notify drivers of the turn restriction. Pavement markings and signage will be placed in a location where they will most easily be seen by drivers who might be intending to turn[30]. Vertical separation elements or other self-reinforcing geometric design elements should be installed to discourage prohibited turns. Additionally, the project sponsor will provide information about site access and circulation, including left turn restrictions, in orientation/educational materials for distribution to parents, students, and staff.

Improvement Measure TR-2: Develop and Implement Plan for Visitor Access and Parking

As an improvement measure to ensure visitors are able to access the site and parking lot when the gates on Derby Avenue and 29th Avenue are closed, the project sponsor will develop and implement a plan for visitor parking access. The plan will be reviewed and approved by City staff and may include, but not be limited to, the following:

- Provide an intercom device to allow for communication between staff and visitors at each gate. The intercom devices may provide voice and video communication and allow for remote management.
- Designate staff to assist with visitor access requests.
- Provide informational signage at the driveways with information regarding hours of operation and access instructions. Signage should also include information regarding alternate parking locations.

Improvement Measure TR-3: Develop and Implement Drop Off and Pick Up Procedures

As an improvement measure to minimize the potential for queues to develop on surrounding roadways and to maintain better operations at the Project driveway and on site, the project sponsor would develop and implement drop off and pick up procedures. These procedures will

[30] The project sponsor would install Manual on Uniform Traffic Control Devices sign NO LEFT TURNS (R3-2).

cover both typical school day traffic as well as procedures for special events held after hour at the school. The procedures will be reviewed and approved by City staff prior to school opening and may include, but not be limited to, the following:

- Modification of gate opening and closing times to reduce queues from parents waiting on the street to access the pick-up/drop-off area. Gate times in the morning should also reflect earlier drop-off times for students that have breakfast at the school.
- Create a designated drop-off/pick-up zone. Provide clearly marked area on site for passenger drop-off/pick-up. There is approximately 550 linear feet of space available within the drive aisle southeast of the building entrance that could accommodate a queue of around 27 vehicles.
- Require drivers to form a single queue within the parking lot to conduct drop-off. Do not allow double parking or drop-off outside of the designated area.
- Require drivers to pull up to the front of the queue and into the designated area prior to conducting passenger drop-off.
- Designate staff to assist with operations. Staff should be present starting prior to 7:40 AM and breakfast to actively manage the on-site loading zone during drop-off, increase efficiency of operations, encourage appropriate driving behavior, and provide enforcement as necessary. Staff also need to be present starting prior to 3:20 to actively manage the on-site loading zone during pick-up.
- Stagger arrival and dismissal times. Staggering arrival and dismissal times would reduce the queue for drop-off.
- Communicate information to staff, students, and parents. Drop-off and pick-up procedures should be communicated in welcome packets and could also be included in informational signage on-site.

Improvement Measure TR-4: Dedicate Crossing Guard at E 12th Street & 29th Avenue

The project sponsor will dedicate at least one staff member to be present at E 12th Street & 29th Avenue during the morning (starting at 7:30) and afternoon periods (Starting at 3:20) to direct students to cross intersection. Given the directionality of student crossings from the bus stop, or north side of 29th Avenue, towards the school in the morning and in the opposite direction in the afternoon, staff could be positioned on the north side/across the street in the morning and on the south side/school side in the afternoon.

Improvement Measure TR-5: Improve Pedestrian Access to Nearby Bus Stops

The two bus stops closest to the project should be improved to better accommodate pedestrian access. These improvements would include removing the landscape strip near the 29th Avenue bus stop on southbound 29th Avenue across the street from the project and updates to the E. 12th Street bus stop just east of 29th Avenue to repaint the red curb and fix potential tripping hazards due to an uneven sidewalk.

Improvement Measure TR-6: Work with the City to Determine Feasibility of Closing the Bicycle Lane Gap

The project sponsor should work with the City to determine the feasibility of closing the bicycle lane gap between E. 10th Street and E. 12th Street along 29th Avenue per the *Let's Bike Oakland* plan. If the construction of the class II bicycle facilities is found to be feasible, the project should pay its share of the improvement to add the bicycle lanes commensurate with the project's contribution to bicycle traffic along 29th Avenue.

Improvement Measure TR-7: Implement Special Event Parking Management Strategies

The project sponsor shall prepare an annual event calendar that anticipates the number of attendees to be submitted to the City. If the event is proposed to have 200 or more attendees, the project sponsor will identify and implement a parking management plan to be submitted to the City along with the calendar. Suggested strategies include, but are not limited to, the following:

- Increase the supply of on-site parking by allowing parking on the basketball courts and playing fields.
- Increase the supply of on-site parking by providing tandem parking and valet service.
- Actively manage parking through use of attendants to direct people to available spaces.
- For events that may generate substantial demand for valet parking in excess of regular (non-event) conditions, the project sponsor will pursue negotiations with off-site facilities to secure access to additional vehicle parking spaces to accommodate events. Possible facilities include Lazear Charter Academy, an EFC owned and operated facility located two blocks southwest at 824 29th Avenue, and Think College Now, located about block northwest at 2825 International Boulevard.

Transportation and Parking Demand Management Plan

The following transportation demand management measures have been recommended as part of the TDM plan:

TDM Program Coordinator. The TDM Program Coordinator is responsible for implementation, monitoring, and reporting of the TDM Plan. The TDM Coordinator would facilitate site inspections by City staff to verify that the standards specified as conditions of approval are met. This person(s) can be a school employee or a third-party provider that runs the program.

Bike Parking. Having accessible, secure, and convenient places to store bicycles encourages residents to bike to and from the project site. The project will include both long-term and short-term bicycle parking on-site, as well as a bike repair station. The Project would provide short-term and long-term bicycle parking facilities to meet maximum estimated demand. The number of bicycle parking spaces would be equitably adjusted (increased) based on observed demand.

Transit and Bicycle Incentives. The Project would provide subsidized/discounted daily or monthly public transit or bike share passes. The VMT reduction calculation assumes the Project would provide the equivalent of a $1.50 per trip subsidy for these modes.

School Pool Program. The Project would develop and implement a ridesharing or carpooling program for students. The ridesharing "School Pool" program will help to match parents to transport students to/from campus. The VMT reduction calculation assumes aggressive implementation with a 35 percent adoption rate.

Transit, Pedestrian, and Bicycle Network Improvements. The Project would implement improvements to the transit and pedestrian network to encourage people to walk instead of drive. The Project would also minimize barriers to pedestrian access and interconnectivity. The Project would implement the following improvements:

- Restripe existing crosswalks in yellow to indicate a school crossing per the California MUTCD at East 12th Street & Derby Avenue and 29th Avenue & Fruitvale Station Shopping Center/Animal Services Driveway
- Dedicate a crossing guard at E 12th Street & 29th Avenue.
- Work with the City to determine the feasibility of completing the Class II bike lane on 29th Avenue between E 10th and E 12th Streets and if feasible, contribute to its construction.
- Contribute to the improvements identified in the diagnostic review of the nearby railroad crossings on 29th Avenue and Fruitvale Avenue.
- Until the recommend improvements from the diagnostic review are implemented, the Project will dedicate a staff member to act as a crossing guard during the morning and afternoon commute periods (7:30-8:30 a.m. and 3:45-5:45 p.m.) to ensure safe crossing for students.
- The project sponsor shall work with the City and AC Transit to identify the feasibility of installing bus shelters for the following bus stops:
    - 29th Avenue/north of railroad crossing
    - 29th Avenue/north of E 10th Street
    - E 12th Street/east of 29th Avenue (south side)
    - E 12th Street/east of 29th Avenue (north side)

  If these stops have 25 or more passenger boardings per day and construction of the bus shelters is feasible, the project sponsor shall install bus shelters.
- The bus stop on E 12th Street/east of 29th Avenue (south side) (Stop ID: 56738) is along the frontage of the Project site. The project sponsor shall work with the City of Oakland and AC Transit to explore the feasibility of installing a bus boarding bulb or island and a concrete bus pad in the public right of way.
- The project sponsor shall work with Alameda County Transit and the City to determine if the near side bus stop should be relocated to the far side on the westbound approach to

E 12th Street & 29th Avenue and the northbound approach to 29th Avenue & Fruitvale Station Shopping Center/Animal Services Driveway.

Vehicle Trip Reduction Marketing Program. Information sharing and marketing are important components to successful vehicle trip reduction strategies. The Project would develop and implement a vehicle trip reduction program. Vehicle trip reduction marketing elements may include transit information packets and programs, such as the guaranteed ride home program, pre-tax commuter benefits, and on-site sales of transit passes, to support sustainable modes. The appointed transportation coordinator will provide trip planning assistance and provide information on transportation options for students and staff.

As discussed in Section 4, the project sponsor shall submit an annual compliance report for review and approval by the City. This report will be submitted within one year of occupancy and every following year for a total of at least five years. If timely reports are not submitted, the reports indicate a failure to achieve the stated policy goals, or the required alternative mode split is still not achieved, staff will work with the project sponsor to find ways to meet their commitments and achieve trip reduction goals. If the issues cannot be resolved, the matter may be referred to the Planning Commission for resolution. Project sponsors shall be required, as a condition of approval to reimburse the City for costs incurred in maintaining and enforcing the trip reduction program for the approved project.

KITTELSON & ASSOCIATES
155 GRAND AVENUE, SUITE 900
OAKLAND, CA 94612
P 510.839.1742 F 510.839.0871

Appendix A: Traffic Count Data

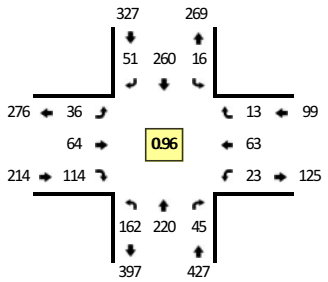
Type of peak hour being reported: Intersection Peak

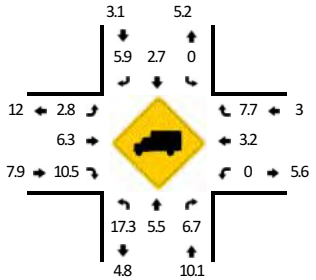
Method for determining peak hour: Total Entering Volume

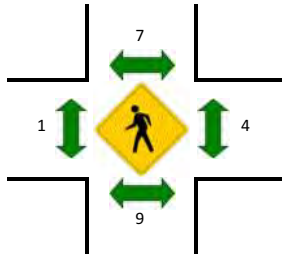
LOCATION: Fruitvale Ave -- E 12th St
CITY/STATE: Oakland, CA

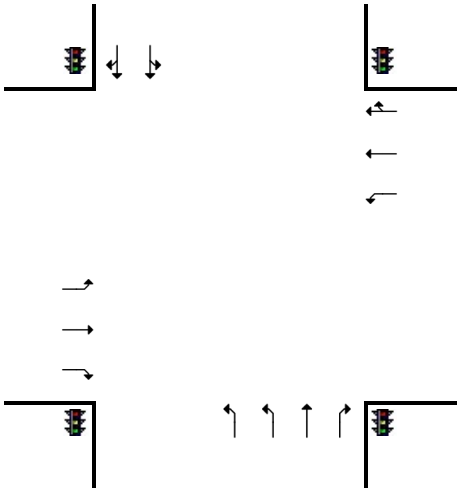
QC JOB #: 15265101
DATE: Tue, Aug 18 2020

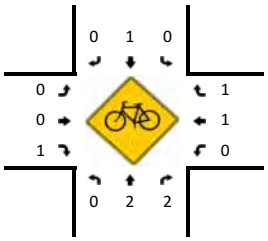
Peak-Hour: 8:00 AM -- 9:00 AM
Peak 15-Min: 8:15 AM -- 8:30 AM

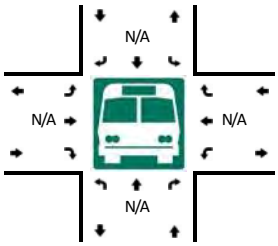


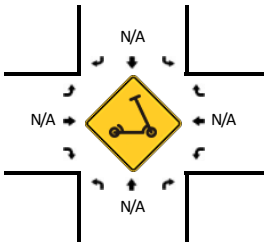












15-Min Count Period Beginning At	Fruitvale Ave (Northbound)				Fruitvale Ave (Southbound)				E 12th St (Eastbound)				E 12th St (Westbound)				Total	Hourly Totals
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
7:00 AM	26	38	3	0	3	57	14	0	7	10	20	0	3	10	2	0	193	
7:15 AM	24	31	15	0	4	61	6	0	5	13	21	0	5	7	2	0	194	
7:30 AM	52	53	5	0	0	72	14	0	9	17	27	0	3	7	2	0	261	
7:45 AM	35	52	14	0	6	88	12	0	10	13	24	0	4	12	2	0	272	920
8:00 AM	48	48	13	0	2	58	9	0	12	9	22	0	6	15	4	0	246	973
8:15 AM	37	61	12	0	2	56	16	0	10	24	36	0	4	17	4	0	279	1058
8:30 AM	45	62	7	0	8	60	12	0	7	14	27	0	7	18	2	0	269	1066
8:45 AM	32	49	13	0	4	86	14	0	7	17	29	0	6	13	3	0	273	1067

Peak 15-Min Flowrates	Northbound				Southbound				Eastbound				Westbound				Total
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	
All Vehicles	148	244	48	0	8	224	64	0	40	96	144	0	16	68	16	0	1116
Heavy Trucks	16	16	0		0	8	4		4	0	12		0	0	0		60
Buses																	
Pedestrians		8				0				0				8			16
Bicycles	0	0	0		0	0	0		0	0	4		0	0	0		4
Scooters																	

Comments:

Report generated on 8/26/2020 5:08 PM

SOURCE: Quality Counts, LLC (http://www.qualitycounts.net) 1-877-580-2212

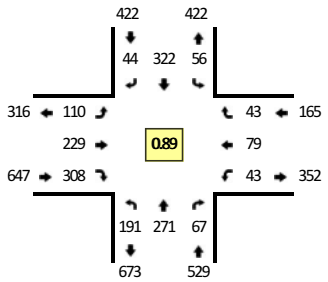
Type of peak hour being reported: Intersection Peak

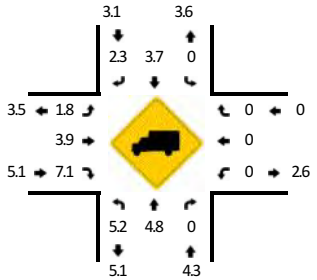
Method for determining peak hour: Total Entering Volume

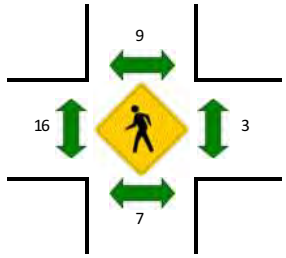
LOCATION: Fruitvale Ave -- E 12th St
CITY/STATE: Oakland, CA

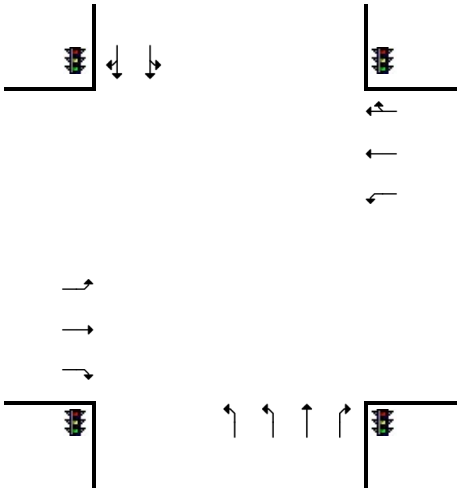
QC JOB #: 15265102
DATE: Tue, Aug 18 2020

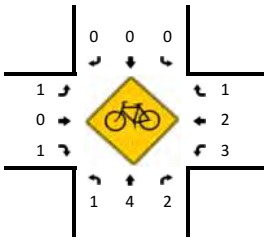
Peak-Hour: 4:15 PM -- 5:15 PM
Peak 15-Min: 5:00 PM -- 5:15 PM

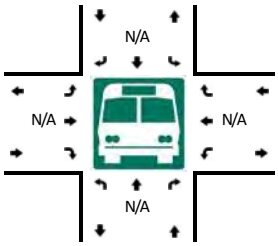


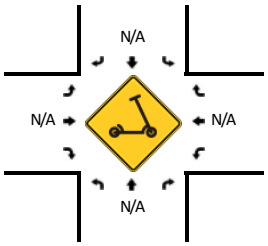












15-Min Count Period Beginning At	Fruitvale Ave (Northbound)				Fruitvale Ave (Southbound)				E 12th St (Eastbound)				E 12th St (Westbound)				Total	Hourly Totals
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
4:00 PM	40	87	16	0	9	86	9	1	25	55	104	0	8	22	7	0	469	
4:15 PM	49	68	20	0	15	83	14	0	26	69	86	1	13	20	9	0	473	
4:30 PM	45	86	15	0	13	99	14	0	28	40	92	0	8	18	9	0	467	
4:45 PM	40	33	10	0	17	50	5	0	26	60	49	0	6	20	14	0	330	1739
5:00 PM	57	84	22	0	11	90	11	0	28	60	81	1	16	21	11	0	493	1763
5:15 PM	46	101	31	0	5	86	16	0	28	34	67	0	5	13	12	0	444	1734
5:30 PM	54	73	19	0	10	82	12	0	22	53	52	2	14	20	9	0	422	1689
5:45 PM	40	84	23	0	7	85	9	0	16	38	46	1	11	23	12	0	395	1754

Peak 15-Min Flowrates	Northbound				Southbound				Eastbound				Westbound				Total
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	
All Vehicles	228	336	88	0	44	360	44	0	112	240	324	4	64	84	44	0	1972
Heavy Trucks	12	20	0		0	16	0		0	8	8		0	0	0		64
Buses																	
Pedestrians		4				8				8				8			28
Bicycles	4	0	4		0	0	0		0	0	4		0	0	0		12
Scooters																	

Comments:

Report generated on 8/26/2020 5:08 PM

SOURCE: Quality Counts, LLC (http://www.qualitycounts.net) 1-877-580-2212

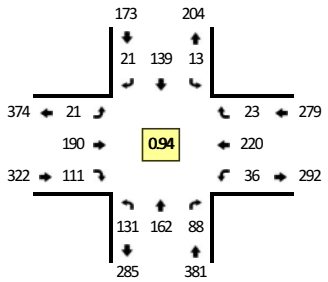
Type of peak hour being reported: Intersection Peak

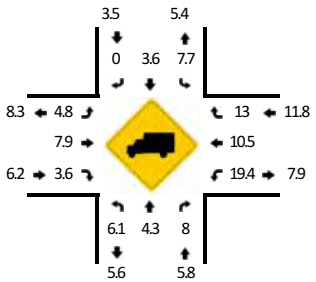
Method for determining peak hour: Total Entering Volume

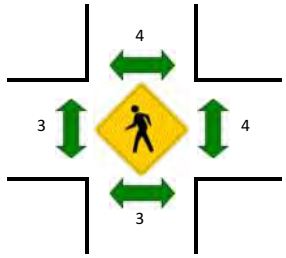
LOCATION: 29th Ave -- E 12th St
CITY/STATE: Oakland, CA

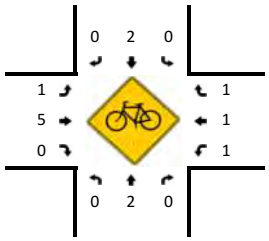
QC JOB #: 15265103
DATE: Tue, Aug 18 2020

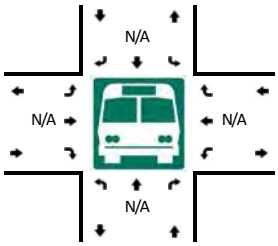
Peak-Hour: 8:00 AM -- 9:00 AM
Peak 15-Min: 8:15 AM -- 8:30 AM

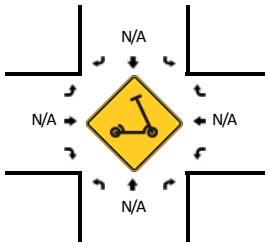












15-Min Count Period Beginning At	29th Ave (Northbound)				29th Ave (Southbound)				E 12th St (Eastbound)				E 12th St (Westbound)				Total	Hourly Totals
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
7:00 AM	13	36	18	0	5	32	4	0	2	36	18	1	14	38	8	0	225	
7:15 AM	23	32	13	0	3	36	2	0	0	44	31	1	10	33	1	0	229	
7:30 AM	18	25	27	0	4	40	11	0	0	37	26	2	15	54	4	0	263	
7:45 AM	34	37	20	0	3	43	10	0	2	43	36	2	17	50	3	1	301	1018
8:00 AM	39	27	18	0	1	28	6	0	4	39	29	0	3	65	2	0	261	1054
8:15 AM	36	43	21	0	3	41	6	0	2	53	27	0	10	59	6	0	307	1132
8:30 AM	25	46	26	0	3	38	6	0	5	43	22	1	12	51	6	1	285	1154
8:45 AM	31	46	23	0	6	32	3	0	8	55	33	1	10	45	9	0	302	1155

Peak 15-Min Flowrates	Northbound				Southbound				Eastbound				Westbound				Total
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	
All Vehicles	144	172	84	0	12	164	24	0	8	212	108	0	40	236	24	0	1228
Heavy Trucks	4	12	0		0	4	0		0	24	8		8	12	0		72
Buses																	
Pedestrians		4				0				8				8			20
Bicycles	0	4	0		0	0	0		4	8	0		0	0	4		20
Scooters																	

Comments:

Report generated on 8/26/2020 5:08 PM

SOURCE: Quality Counts, LLC (http://www.qualitycounts.net) 1-877-580-2212

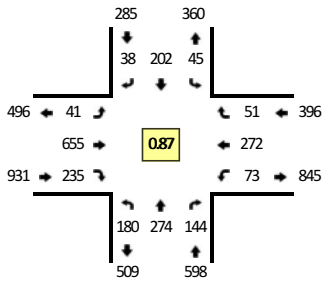
Type of peak hour being reported: Intersection Peak

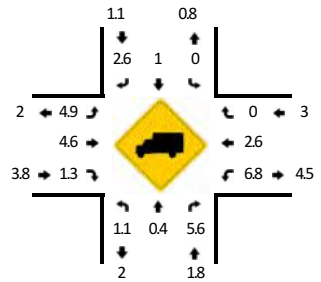
Method for determining peak hour: Total Entering Volume

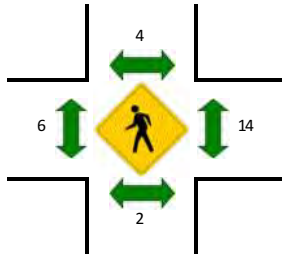
LOCATION: 29th Ave -- E 12th St
CITY/STATE: Oakland, CA

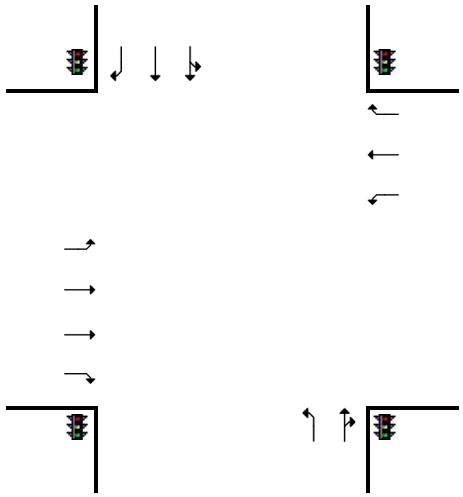
QC JOB #: 15265104
DATE: Tue, Aug 18 2020

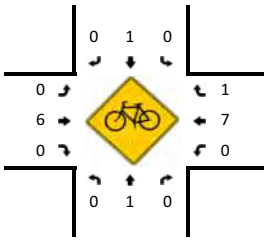
Peak-Hour: 4:15 PM -- 5:15 PM
Peak 15-Min: 4:15 PM -- 4:30 PM

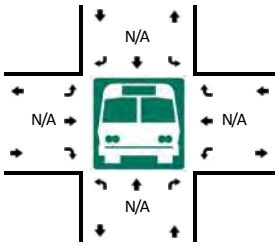


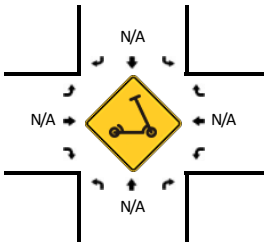












15-Min Count Period Beginning At	29th Ave (Northbound)				29th Ave (Southbound)				E 12th St (Eastbound)				E 12th St (Westbound)				Total	Hourly Totals
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
4:00 PM	44	69	42	0	15	45	7	0	4	170	102	0	15	49	9	4	575	
4:15 PM	37	78	38	0	17	60	11	0	12	198	76	3	21	69	13	0	633	
4:30 PM	64	72	37	0	11	54	6	0	7	169	73	0	22	59	7	0	581	
4:45 PM	18	34	16	0	7	24	11	0	7	161	24	2	6	78	14	1	403	2192
5:00 PM	61	90	53	0	10	64	10	0	9	127	62	1	23	66	17	0	593	2210
5:15 PM	59	92	36	0	9	42	6	0	13	108	37	0	17	69	22	0	510	2087
5:30 PM	59	90	48	0	11	46	12	0	7	88	46	0	16	67	16	0	506	2012
5:45 PM	44	82	36	0	9	63	11	0	8	86	35	3	15	58	14	0	464	2073

Peak 15-Min Flowrates	Northbound				Southbound				Eastbound				Westbound				Total
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	
All Vehicles	148	312	152	0	68	240	44	0	48	792	304	12	84	276	52	0	2532
Heavy Trucks	4	0	8		0	4	0		0	52	8		4	12	0		92
Buses																	
Pedestrians		8				0				4				16			28
Bicycles	0	4	0		0	0	0		0	0	0		0	8	0		12
Scooters																	

Comments:

Report generated on 8/26/2020 5:08 PM

SOURCE: Quality Counts, LLC (http://www.qualitycounts.net) 1-877-580-2212

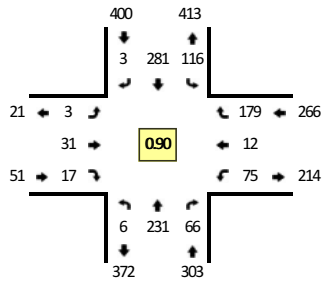
Type of peak hour being reported: Intersection Peak

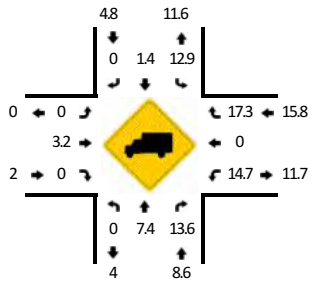
Method for determining peak hour: Total Entering Volume

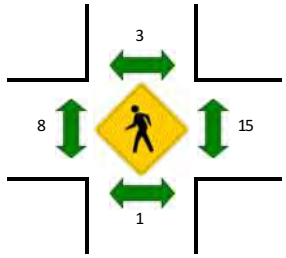
LOCATION: Fruitvale Ave -- E 10th St/San Leandro St
CITY/STATE: Oakland, CA

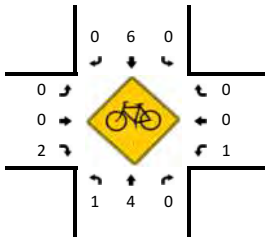
QC JOB #: 15265105
DATE: Tue, Aug 18 2020

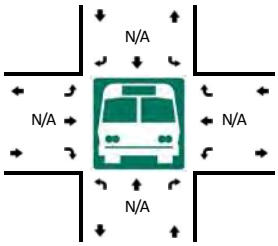
Peak-Hour: 8:00 AM -- 9:00 AM
Peak 15-Min: 8:45 AM -- 9:00 AM

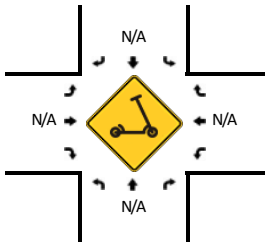












15-Min Count Period Beginning At	Fruitvale Ave (Northbound)				Fruitvale Ave (Southbound)				E 10th St/San Leandro St (Eastbound)				E 10th St/San Leandro St (Westbound)				Total	Hourly Totals
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
7:00 AM	1	39	13	0	21	57	2	0	1	7	4	0	7	0	25	0	177	
7:15 AM	0	37	5	0	23	62	1	0	0	9	3	0	23	1	34	0	198	
7:30 AM	1	47	14	0	35	68	1	0	0	7	4	0	20	0	55	0	252	
7:45 AM	1	52	15	0	28	77	0	0	0	7	7	0	25	2	49	0	263	890
8:00 AM	2	59	15	0	30	63	1	0	0	3	2	0	15	3	50	0	243	956
8:15 AM	0	61	17	0	29	63	0	0	1	10	2	0	14	2	45	0	244	1002
8:30 AM	2	60	16	0	31	67	1	0	1	7	3	0	17	2	44	0	251	1001
8:45 AM	2	51	18	0	26	88	1	0	1	11	10	0	28	5	40	1	282	1020

Peak 15-Min Flowrates	Northbound				Southbound				Eastbound				Westbound				Total
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	
All Vehicles	8	204	72	0	104	352	4	0	4	44	40	0	112	20	160	4	1128
Heavy Trucks	0	20	12		20	0	0		0	0	0		16	0	44		112
Buses																	
Pedestrians		0				0				8				12			20
Bicycles	0	4	0		0	8	0		0	0	4		4	0	0		20
Scooters																	

Comments:

Report generated on 8/26/2020 5:08 PM

SOURCE: Quality Counts, LLC (http://www.qualitycounts.net) 1-877-580-2212

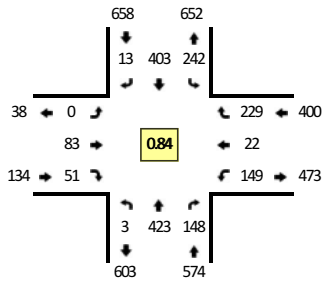
Type of peak hour being reported: Intersection Peak

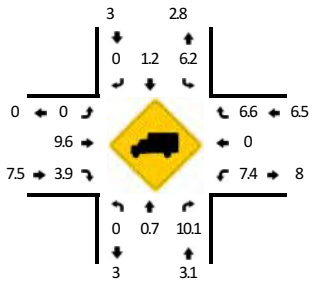
Method for determining peak hour: Total Entering Volume

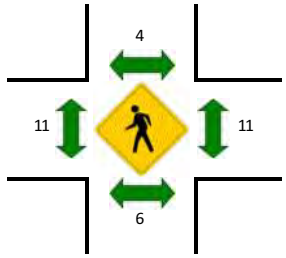
LOCATION: Fruitvale Ave -- E 10th St/San Leandro St
CITY/STATE: Oakland, CA

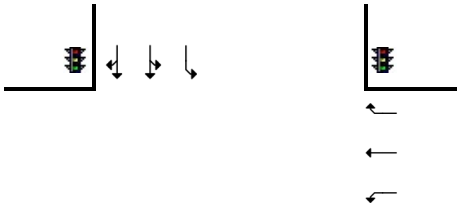
QC JOB #: 15265106
DATE: Tue, Aug 18 2020

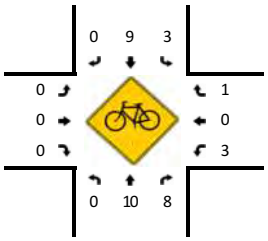
Peak-Hour: 5:00 PM -- 6:00 PM
Peak 15-Min: 5:00 PM -- 5:15 PM

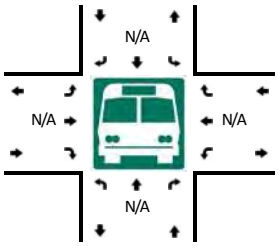


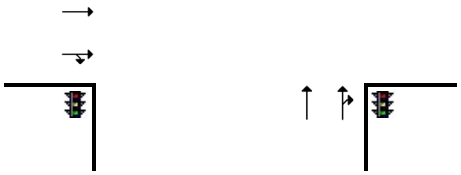


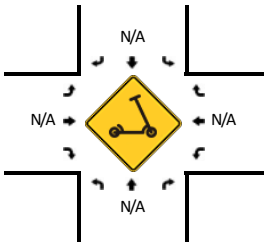












15-Min Count Period Beginning At	Fruitvale Ave (Northbound)				Fruitvale Ave (Southbound)				E 10th St/San Leandro St (Eastbound)				E 10th St/San Leandro St (Westbound)				Total	Hourly Totals
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
4:00 PM	0	84	34	0	100	100	1	0	0	30	12	0	33	2	57	0	453	
4:15 PM	0	71	42	0	89	86	0	0	0	44	18	0	31	4	62	0	447	
4:30 PM	0	92	28	0	96	105	1	0	1	35	13	0	41	5	56	0	473	
4:45 PM	0	16	8	0	53	27	1	0	0	37	9	0	14	3	62	0	230	1603
5:00 PM	0	126	40	0	74	134	3	0	0	29	23	0	33	8	56	0	526	1676
5:15 PM	3	108	43	0	63	89	5	0	0	15	13	0	36	3	64	0	442	1671
5:30 PM	0	94	40	0	53	86	3	0	0	15	6	0	37	7	57	0	398	1596
5:45 PM	0	95	25	0	52	94	2	0	0	24	9	0	43	4	52	0	400	1766

Peak 15-Min Flowrates	Northbound				Southbound				Eastbound				Westbound				Total
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	
All Vehicles	0	504	160	0	296	536	12	0	0	116	92	0	132	32	224	0	2104
Heavy Trucks	0	0	20		12	16	0		0	16	8		8	0	24		104
Buses																	
Pedestrians		4				12				16				20			52
Bicycles	0	4	0		8	12	0		0	0	0		0	0	4		28
Scooters																	

Comments:

Report generated on 8/26/2020 5:08 PM

SOURCE: Quality Counts, LLC (http://www.qualitycounts.net) 1-877-580-2212

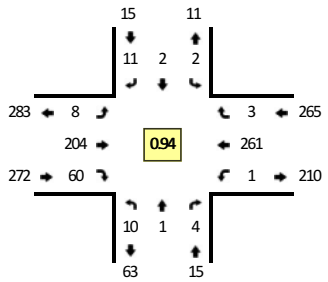
Type of peak hour being reported: Intersection Peak

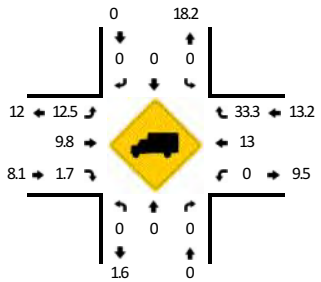
Method for determining peak hour: Total Entering Volume

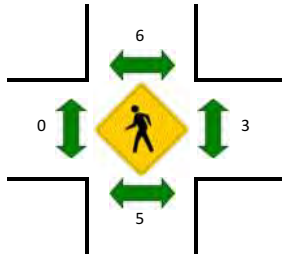
LOCATION: Derby Ave -- E 12th St
CITY/STATE: Oakland, CA

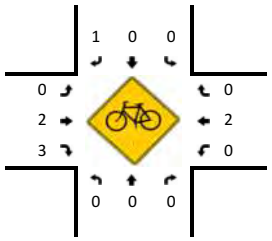
QC JOB #: 15265107
DATE: Tue, Aug 18 2020

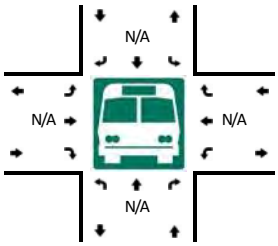
Peak-Hour: 8:00 AM -- 9:00 AM
Peak 15-Min: 8:15 AM -- 8:30 AM

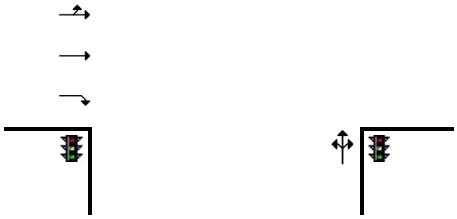


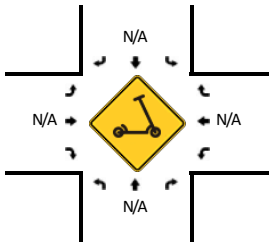












15-Min Count Period Beginning At	Derby Ave (Northbound)				Derby Ave (Southbound)				E 12th St (Eastbound)				E 12th St (Westbound)				Total	Hourly Totals
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
7:00 AM	0	1	0	0	0	0	2	0	3	38	10	1	0	49	3	0	107	
7:15 AM	1	1	0	0	0	0	1	0	1	44	10	0	0	38	0	0	96	
7:30 AM	1	0	0	0	1	0	3	0	1	49	16	0	1	68	1	1	142	
7:45 AM	1	1	0	0	0	1	3	0	1	47	13	0	0	64	0	0	131	476
8:00 AM	2	0	0	0	0	0	2	0	2	46	5	0	1	67	0	0	125	494
8:15 AM	3	0	2	0	0	0	3	0	1	61	13	0	0	67	1	0	151	549
8:30 AM	2	1	1	0	2	1	2	0	3	46	17	0	0	67	1	0	143	550
8:45 AM	3	0	1	0	0	1	4	0	1	51	25	1	0	60	1	0	148	567

Peak 15-Min Flowrates	Northbound				Southbound				Eastbound				Westbound				Total
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	
All Vehicles	12	0	8	0	0	0	12	0	4	244	52	0	0	268	4	0	604
Heavy Trucks	0	0	0		0	0	0		0	20	0		0	16	4		40
Buses																	
Pedestrians		0				0				0				4			4
Bicycles	0	0	0		0	0	0		0	8	0		0	4	0		12
Scooters																	

Comments:

Report generated on 8/26/2020 5:08 PM

SOURCE: Quality Counts, LLC (http://www.qualitycounts.net) 1-877-580-2212

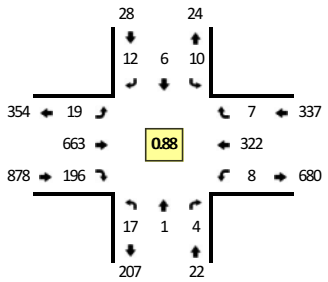
Type of peak hour being reported: Intersection Peak

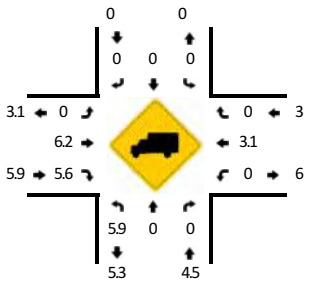
Method for determining peak hour: Total Entering Volume

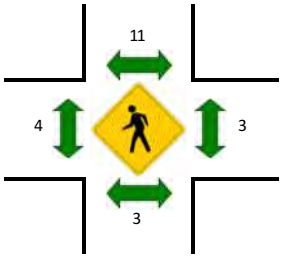
LOCATION: Derby Ave -- E 12th St
CITY/STATE: Oakland, CA

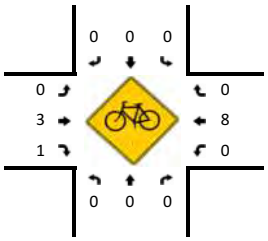
QC JOB #: 15265108
DATE: Tue, Aug 18 2020

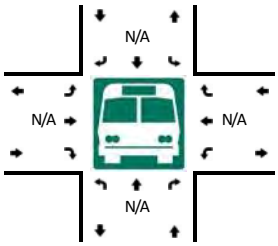
Peak-Hour: 4:00 PM -- 5:00 PM
Peak 15-Min: 4:15 PM -- 4:30 PM

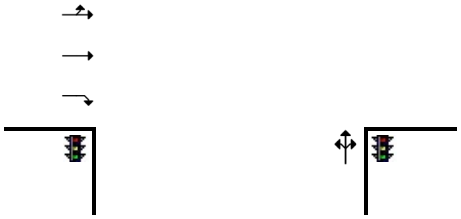


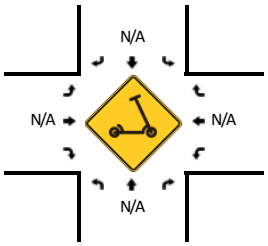












15-Min Count Period Beginning At	Derby Ave (Northbound)				Derby Ave (Southbound)				E 12th St (Eastbound)				E 12th St (Westbound)				Total	Hourly Totals
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
4:00 PM	2	0	2	0	4	1	1	0	7	177	41	2	0	73	1	0	311	
4:15 PM	8	0	1	0	3	3	2	0	2	193	57	1	1	88	2	0	361	
4:30 PM	1	1	0	0	1	0	5	0	5	164	50	0	3	84	3	2	319	
4:45 PM	6	0	1	0	2	2	4	0	2	129	48	0	1	77	1	1	274	1265
5:00 PM	4	0	1	0	3	3	13	0	3	150	33	0	2	83	2	1	298	1252
5:15 PM	10	1	1	0	1	1	6	0	7	122	26	1	0	83	6	1	266	1157
5:30 PM	6	0	3	0	1	1	4	0	3	125	19	0	0	80	4	2	248	1086
5:45 PM	1	0	1	0	2	1	9	0	5	91	29	1	0	76	9	1	226	1038

Peak 15-Min Flowrates	Northbound				Southbound				Eastbound				Westbound				Total
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	
All Vehicles	32	0	4	0	12	12	8	0	8	772	228	4	4	352	8	0	1444
Heavy Trucks	4	0	0		0	0	0		0	64	0		0	8	0		76
Buses																	
Pedestrians		0				16				8				0			24
Bicycles	0	0	0		0	0	0		0	0	0		0	8	0		8
Scooters																	

Comments:

Report generated on 8/26/2020 5:08 PM

SOURCE: Quality Counts, LLC (http://www.qualitycounts.net) 1-877-580-2212

KITTELSON & ASSOCIATES
155 GRAND AVENUE, SUITE 900
OAKLAND, CA 94612
P 510.839.1742 F 510.839.0871

Appendix B: Existing Conditions Vistro LOS Worksheets

Derby Avenue Charter School

Vistro File: H:\...\24921_DerbyAveSchool_20200904.vistro
Report File: H:\...\24921_Existing AM.pdf

Scenario 1 Existing AM
9/4/2020

Intersection Analysis Summary

ID	Intersection Name	Control Type	Method	Worst Mvmt	V/C	Delay (s/veh)	LOS
1	E 12th Street and 29th Avenue	Signalized	HCM 6th Edition	WB Left	0.832	37.5	D
2	12th Street & Derby Avenue	Signalized	HCM 6th Edition	WB Left	0.170	7.1	A
3	Fruitvale Avenue & 12th Street	Signalized	HCM 6th Edition	EB Left	0.535	26.4	C
4	Fruitvale Avenue & 10th Street	Signalized	HCM 6th Edition	SB Left	0.709	27.9	C
5	29th Street & Project Driveway	Two-way stop	HCM 6th Edition	NB Thru	0.011	0.0	A
6	Derby Avenue & 10th Street (Project Driveway)	Two-way stop	HCM 6th Edition	SB Left	0.001	0.0	A

V/C, Delay, LOS: For two-way stop, these values are taken from the movement with the worst (highest) delay value. For all other control types, they are taken for the whole intersection.

Intersection Level Of Service Report
Intersection 1: E 12th Street and 29th Avenue

Control Type:	Signalized	Delay (sec / veh):	37.5
Analysis Method:	HCM 6th Edition	Level Of Service:	D
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.832

Intersection Setup

Name	29th Street			29th Street			E 12th Street			E 12th Street		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	0	0	0	1	1	0	1	1	0	1
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	140.00	100.00	125.00	225.00	100.00	75.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	29th Street			29th Street			E 12th Street			E 12th Street		
Base Volume Input [veh/h]	166	746	97	46	462	387	160	163	121	53	279	99
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	6.00	2.40	0.00	0.00	2.40	1.30	1.30	1.20	5.00	0.00	0.70	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	166	746	97	46	462	387	160	163	121	53	279	99
Peak Hour Factor	0.8800	0.8800	0.8800	0.8800	0.8800	0.8800	0.8800	0.8800	0.8800	0.8800	0.8800	0.8800
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	47	212	28	13	131	110	45	46	34	15	79	28
Total Analysis Volume [veh/h]	189	848	110	52	525	440	182	185	138	60	317	113
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing major stree	37			19			36			18		
v_di, Inbound Pedestrian Volume crossing major street [	36			18			37			19		
v_co, Outbound Pedestrian Volume crossing minor stree	19			10			11			19		
v_ci, Inbound Pedestrian Volume crossing minor street [	19			11			10			19		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	3			5			2			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Free Running
Actuation Type	Fully actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	12.00

Phasing & Timing

Control Type	Protect	Permis	Permis	Permis	Permis	Permis	Protect	Permis	Permis	Protect	Permis	Permis
Signal Group	3	8	0	0	4	0	1	6	0	5	2	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	-	-	-	Lead	-	-	Lead	-	-
Minimum Green [s]	5	5	0	0	5	0	5	5	0	5	5	0
Maximum Green [s]	25	30	0	0	30	0	25	30	0	25	30	0
Amber [s]	4.0	4.5	0.0	0.0	4.0	0.0	4.5	4.5	0.0	4.5	4.5	0.0
All red [s]	1.0	1.0	0.0	0.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0
Split [s]	0	0	0	0	0	0	0	0	0	0	0	0
Vehicle Extension [s]	3.0	3.0	0.0	0.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
Walk [s]	0	7	0	0	7	0	0	7	0	0	7	0
Pedestrian Clearance [s]	0	26	0	0	23	0	0	10	0	0	10	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
I2, Clearance Lost Time [s]	3.0	3.5	0.0	0.0	3.0	0.0	3.5	3.5	0.0	3.5	3.5	0.0
Minimum Recall	No	No			No		No	Yes		No	Yes	
Maximum Recall	No	Yes			Yes		No	No		No	No	
Pedestrian Recall	No	No			No		No	No		No	No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	20.0	20.0	0.0	0.0	20.0	0.0	20.0	20.0	0.0	20.0	20.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	C	R	L	C	R	L	C	R
C, Cycle Length [s]	86	86	86	86	86	86	86	86	86	86	86
L, Total Lost Time per Cycle [s]	5.00	5.50	5.00	5.00	5.00	5.50	5.50	5.50	5.50	5.50	5.50
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	3.00	3.50	0.00	3.00	3.00	3.50	3.50	3.50	3.50	3.50	3.50
g_i, Effective Green Time [s]	12	46	30	30	30	11	20	20	4	13	13
g / C, Green / Cycle	0.13	0.53	0.35	0.35	0.35	0.13	0.23	0.23	0.04	0.15	0.15
(v / s)_i Volume / Saturation Flow Rate	0.11	0.53	0.13	0.20	0.28	0.10	0.05	0.10	0.03	0.09	0.08
s, saturation flow rate [veh/h]	1724	1818	1849	1696	1574	1791	3583	1386	1810	3598	1415
c, Capacity [veh/h]	233	970	649	588	546	227	827	320	82	537	211
d1, Uniform Delay [s]	36.38	19.91	21.25	23.01	25.49	36.74	27.00	28.10	40.82	34.36	33.69
k, delay calibration	0.11	0.50	0.50	0.50	0.50	0.11	0.11	0.11	0.11	0.11	0.11
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	6.73	26.05	1.65	3.95	12.07	6.46	0.14	0.92	12.07	1.04	2.10
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.81	0.99	0.37	0.57	0.81	0.80	0.22	0.43	0.74	0.59	0.54
d, Delay for Lane Group [s/veh]	43.11	45.95	22.90	26.95	37.57	43.20	27.13	29.02	52.89	35.40	35.79
Lane Group LOS	D	D	C	C	D	D	C	C	D	D	D
Critical Lane Group	No	Yes	No	No	No	Yes	No	No	No	Yes	No
50th-Percentile Queue Length [veh/ln]	4.23	23.81	3.87	5.95	9.58	4.07	1.53	2.44	1.52	3.12	2.25
50th-Percentile Queue Length [ft/ln]	105.73	595.27	96.79	148.81	239.51	101.72	38.37	61.03	37.90	78.12	56.33
95th-Percentile Queue Length [veh/ln]	7.60	31.81	6.97	9.95	14.66	7.32	2.76	4.39	2.73	5.62	4.06
95th-Percentile Queue Length [ft/ln]	190.05	795.33	174.22	248.84	366.41	183.09	69.06	109.85	68.23	140.61	101.40

Movement, Approach, & Intersection Results

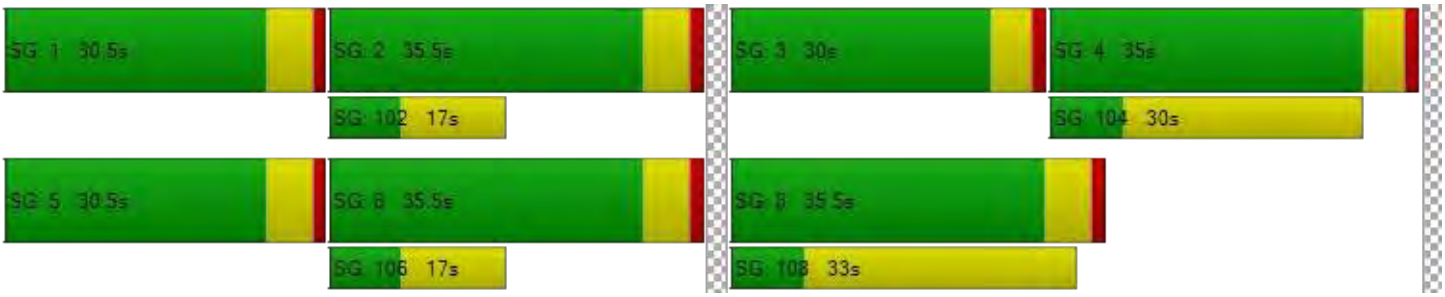
d_M, Delay for Movement [s/veh]	43.11	45.95	45.95	22.90	25.48	37.57	43.20	27.13	29.02	52.89	35.40	35.79
Movement LOS	D	D	D	C	C	D	D	C	C	D	D	D
d_A, Approach Delay [s/veh]	45.48			30.58			33.44			37.63		
Approach LOS	D			C			C			D		
d_I, Intersection Delay [s/veh]	37.54											
Intersection LOS	D											
Intersection V/C	0.832											

Other Modes

g_Walk,mi, Effective Walk Time [s]	11.0	11.0	11.0	11.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	34.67	34.67	34.67	34.67
I_p,int, Pedestrian LOS Score for Intersection	2.586	2.657	2.688	2.924
Crosswalk LOS	B	B	B	C
s_b, Saturation Flow Rate of the bicycle lane [bicycles/h]	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	667	667	667	667
d_b, Bicycle Delay [s]	20.03	20.05	20.02	20.00
I_b,int, Bicycle LOS Score for Intersection	3.452	2.399	1.976	1.964
Bicycle LOS	C	B	A	A

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	-	8	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 2: 12th Street & Derby Avenue

Control Type:	Signalized	Delay (sec / veh):	7.1
Analysis Method:	HCM 6th Edition	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.170

Intersection Setup

Name	Derby Avenue			Derby Avenue			E 12th Street			12th Street		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	0	0	0	0	0	0	1	1	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Derby Avenue			Derby Avenue			E 12th Street			12th Street		
Base Volume Input [veh/h]	10	1	4	13	2	17	7	245	60	1	399	3
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	12.50	9.80	1.70	0.00	13.00	33.30
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	10	1	4	13	2	17	7	245	60	1	399	3
Peak Hour Factor	0.9400	0.9400	0.9400	0.9400	0.9400	0.9400	0.9400	0.9400	0.9400	0.9400	0.9400	0.9400
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	3	0	1	3	1	5	2	65	16	0	106	1
Total Analysis Volume [veh/h]	11	1	4	14	2	18	7	261	64	1	424	3
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing major stree	3			3			2			3		
v_di, Inbound Pedestrian Volume crossing major street [	2			3			3			3		
v_co, Outbound Pedestrian Volume crossing minor stree	1			0			0			2		
v_ci, Inbound Pedestrian Volume crossing minor street [	2			0			0			1		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			1			5			2		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	130
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Fully actuated
Offset [s]	105.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	12.00

Phasing & Timing

Control Type	Split	Split	Split	Split	Split	Split	Permis	Permis	Permis	Protect	Permis	Permis
Signal Group	0	4	0	0	8	0	0	2	0	1	6	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	Lead	-	-
Minimum Green [s]	0	4	0	0	5	0	0	5	0	5	5	0
Maximum Green [s]	0	50	0	0	50	0	0	50	0	15	50	0
Amber [s]	0.0	4.0	0.0	0.0	4.0	0.0	0.0	4.0	0.0	4.0	4.0	0.0
All red [s]	0.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
Split [s]	0	45	0	0	45	0	0	25	0	15	40	0
Vehicle Extension [s]	0.0	3.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0	3.0	3.0	0.0
Walk [s]	0	4	0	0	4	0	0	7	0	0	7	0
Pedestrian Clearance [s]	0	29	0	0	29	0	0	7	0	0	7	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	0.0	2.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0	2.0	2.0	0.0
I2, Clearance Lost Time [s]	0.0	3.0	0.0	0.0	3.0	0.0	0.0	2.0	0.0	3.0	2.0	0.0
Minimum Recall		No			No			Yes		No	Yes	
Maximum Recall		No			No			No		No	No	
Pedestrian Recall		No			No			Yes		No	Yes	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	20.0	0.0	0.0	20.0	0.0	0.0	20.0	0.0	20.0	20.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	C	C	C	C	R	L	C	C
C, Cycle Length [s]	130	130	130	130	130	130	130	130
L, Total Lost Time per Cycle [s]	5.00	5.00	4.00	4.00	4.00	5.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	3.00	3.00	2.00	2.00	2.00	3.00	2.00	2.00
g_i, Effective Green Time [s]	3	4	104	104	104	0	109	109
g / C, Green / Cycle	0.03	0.03	0.80	0.80	0.80	0.00	0.84	0.84
(v / s)_i Volume / Saturation Flow Rate	0.01	0.02	0.08	0.08	0.04	0.00	0.13	0.13
s, saturation flow rate [veh/h]	1762	1706	1697	1595	1553	1810	1705	1700
c, Capacity [veh/h]	48	48	1382	1272	1238	3	1427	1423
d1, Uniform Delay [s]	62.12	62.72	2.91	2.91	2.79	64.88	1.97	1.97
k, delay calibration	0.11	0.11	0.50	0.50	0.50	0.11	0.11	0.11
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	4.00	17.81	0.15	0.16	0.08	59.49	0.05	0.05
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.33	0.71	0.10	0.10	0.05	0.35	0.15	0.15
d, Delay for Lane Group [s/veh]	66.12	80.53	3.05	3.07	2.87	124.37	2.02	2.02
Lane Group LOS	E	F	A	A	A	F	A	A
Critical Lane Group	Yes	Yes	No	No	No	No	No	Yes
50th-Percentile Queue Length [veh/ln]	0.57	1.35	0.72	0.68	0.32	0.08	0.74	0.74
50th-Percentile Queue Length [ft/ln]	14.36	33.86	18.07	16.88	8.04	2.02	18.62	18.59
95th-Percentile Queue Length [veh/ln]	1.03	2.44	1.30	1.22	0.58	0.15	1.34	1.34
95th-Percentile Queue Length [ft/ln]	25.85	60.95	32.52	30.39	14.47	3.64	33.51	33.47

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	66.12	66.12	66.12	80.53	80.53	80.53	3.05	3.06	2.87	124.37	2.02	2.02
Movement LOS	E	E	E	F	F	F	A	A	A	F	A	A
d_A, Approach Delay [s/veh]	66.12			80.53			3.02			2.31		
Approach LOS	E			F			A			A		
d_I, Intersection Delay [s/veh]	7.14											
Intersection LOS	A											
Intersection V/C	0.170											

Other Modes

g_Walk,mi, Effective Walk Time [s]	11.0	11.0	8.0	8.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	54.47	54.47	57.25	57.25
I_p,int, Pedestrian LOS Score for Intersection	1.773	1.764	2.473	2.457
Crosswalk LOS	A	A	B	B
s_b, Saturation Flow Rate of the bicycle lane [bicycles/h]	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	615	615	323	554
d_b, Bicycle Delay [s]	31.15	31.17	45.81	34.02
I_b,int, Bicycle LOS Score for Intersection	1.586	1.616	1.834	1.913
Bicycle LOS	A	A	A	A

Sequence

Ring 1	1	2	4	8	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Intersection Level Of Service Report
Intersection 3: Fruitvale Avenue & 12th Street

Control Type:	Signalized	Delay (sec / veh):	26.4
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.535

Intersection Setup

Name	Fruitvale Avenue			Fruitvale Avenue			12th Street			12th Street		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	0	0	0	1	0	0	1	0	1
Entry Pocket Length [ft]	80.00	100.00	100.00	100.00	100.00	100.00	200.00	100.00	100.00	185.00	100.00	185.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	Yes			Yes			Yes			Yes		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Fruitvale Avenue			Fruitvale Avenue			12th Street			12th Street		
Base Volume Input [veh/h]	289	478	116	16	410	51	36	64	180	36	63	13
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	17.30	5.50	6.70	0.00	2.70	5.90	2.80	6.30	10.50	0.00	3.20	7.70
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	289	478	116	16	410	51	36	64	180	36	63	13
Peak Hour Factor	0.9600	0.9600	0.9600	0.9600	0.9600	0.9600	0.9600	0.9600	0.9600	0.9600	0.9600	0.9600
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	75	124	30	4	107	13	9	17	47	9	16	3
Total Analysis Volume [veh/h]	301	498	121	17	427	53	38	67	188	38	66	14
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing major stree	5			4			4			3		
v_di, Inbound Pedestrian Volume crossing major street [	4			3			5			4		
v_co, Outbound Pedestrian Volume crossing minor stree	2			0			1			2		
v_ci, Inbound Pedestrian Volume crossing minor street [	2			1			0			2		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	4			1			1			2		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	130
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Fully actuated
Offset [s]	121.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	12.00

Phasing & Timing

Control Type	Protect	Permis	Permis	Permis	Permis	Permis	Protect	Permis	Overla	Protect	Permis	Permis
Signal Group	1	6	0	0	2	0	3	8	8	7	4	0
Auxiliary Signal Groups									1,8			
Lead / Lag	Lead	-	-	-	-	-	Lead	-	-	Lead	-	-
Minimum Green [s]	5	5	0	0	5	0	5	5	5	5	5	0
Maximum Green [s]	30	30	0	0	30	0	30	30	30	30	30	0
Amber [s]	3.0	3.5	0.0	0.0	3.5	0.0	3.0	3.5	3.5	3.0	3.5	0.0
All red [s]	1.0	1.0	0.0	0.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0	0.0
Split [s]	44	84	0	0	40	0	15	31	31	15	31	0
Vehicle Extension [s]	2.0	3.0	0.0	0.0	2.0	0.0	3.0	2.0	2.0	2.0	3.0	0.0
Walk [s]	0	6	0	0	6	0	0	6	6	0	6	0
Pedestrian Clearance [s]	0	18	0	0	24	0	0	19	19	0	15	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0	0.0
I2, Clearance Lost Time [s]	2.0	2.5	0.0	0.0	2.5	0.0	2.0	2.5	2.5	2.0	2.5	0.0
Minimum Recall	No	No			No		No	No	No	No	No	
Maximum Recall	No	No			No		No	No	No	No	No	
Pedestrian Recall	No	No			No		No	No	No	No	No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	20.0	20.0	0.0	0.0	20.0	0.0	20.0	20.0	20.0	20.0	20.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	C	L	C	R	L	C	C
C, Cycle Length [s]	130	130	130	130	130	130	130	130	130	130
L, Total Lost Time per Cycle [s]	4.00	4.50	4.50	4.50	4.00	4.50	4.00	4.00	4.50	4.50
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.50	2.50	2.50	2.00	2.50	0.00	2.00	2.50	2.50
g_i, Effective Green Time [s]	16	103	84	84	4	10	30	4	10	10
g / C, Green / Cycle	0.12	0.80	0.65	0.65	0.03	0.08	0.23	0.03	0.08	0.08
(v / s)_i Volume / Saturation Flow Rate	0.10	0.35	0.15	0.15	0.02	0.04	0.13	0.02	0.02	0.02
s, saturation flow rate [veh/h]	3034	1748	1753	1623	1769	1805	1473	1810	1852	1690
c, Capacity [veh/h]	364	1390	1159	1046	52	136	339	53	140	128
d1, Uniform Delay [s]	55.88	4.22	9.54	9.63	62.62	57.70	44.12	62.59	56.79	56.89
k, delay calibration	0.04	0.50	0.50	0.50	0.11	0.04	0.04	0.04	0.11	0.11
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	1.84	1.03	0.44	0.51	18.37	1.02	0.53	6.74	1.12	1.37
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.83	0.45	0.22	0.23	0.74	0.49	0.55	0.72	0.29	0.31
d, Delay for Lane Group [s/veh]	57.72	5.25	9.99	10.14	80.99	58.71	44.65	69.33	57.91	58.26
Lane Group LOS	E	A	A	B	F	E	D	E	E	E
Critical Lane Group	No	Yes	No	No	No	No	Yes	Yes	No	No
50th-Percentile Queue Length [veh/ln]	4.92	4.71	3.12	2.93	1.51	2.16	5.42	1.35	1.30	1.29
50th-Percentile Queue Length [ft/ln]	123.05	117.68	78.07	73.17	37.82	54.03	135.45	33.70	32.49	32.23
95th-Percentile Queue Length [veh/ln]	8.56	8.27	5.62	5.27	2.72	3.89	9.24	2.43	2.34	2.32
95th-Percentile Queue Length [ft/ln]	214.02	206.64	140.53	131.71	68.07	97.25	230.88	60.65	58.48	58.02

Movement, Approach, & Intersection Results

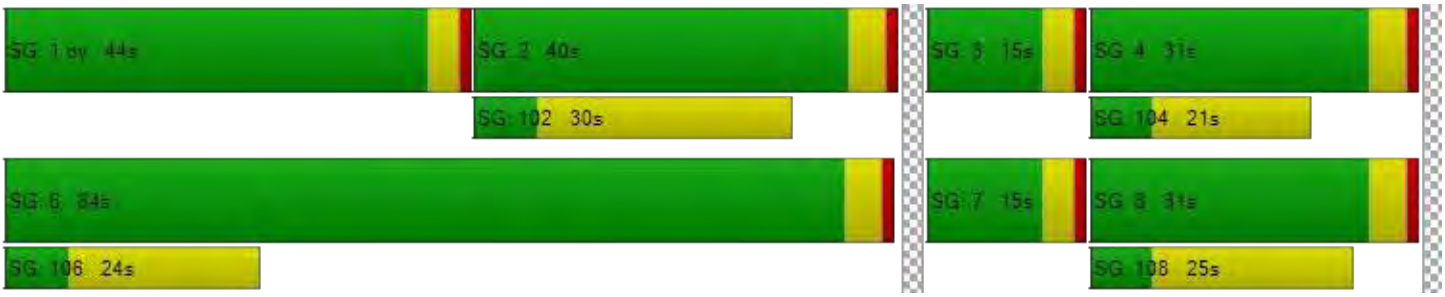
d_M, Delay for Movement [s/veh]	57.72	5.25	5.25	9.99	10.05	10.14	80.99	58.71	44.65	69.33	58.05	58.26
Movement LOS	E	A	A	A	B	B	F	E	D	E	E	E
d_A, Approach Delay [s/veh]	22.42			10.06			52.58			61.71		
Approach LOS	C			B			D			E		
d_I, Intersection Delay [s/veh]	26.43											
Intersection LOS	C											
Intersection V/C	0.535											

Other Modes

g_Walk,mi, Effective Walk Time [s]	10.0	10.0	10.0	10.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	55.38	55.38	55.38	55.38
I_p,int, Pedestrian LOS Score for Intersection	2.625	2.299	2.457	2.252
Crosswalk LOS	B	B	B	B
s_b, Saturation Flow Rate of the bicycle lane [bicycles/h]	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	1223	546	408	408
d_b, Bicycle Delay [s]	9.83	34.36	41.22	41.24
I_b,int, Bicycle LOS Score for Intersection	3.078	1.970	2.043	0.585
Bicycle LOS	C	A	B	A

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	-	6	7	8	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 4: Fruitvale Avenue & 10th Street

Control Type:	Signalized	Delay (sec / veh):	27.9
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.709

Intersection Setup

Name	Fruitvale Avenue			Fruitvale Avenue			10th Street			San Leandro Street		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	0	1	0	0	1	0	0	0	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	175.00	100.00	100.00	150.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Fruitvale Avenue			Fruitvale Avenue			10th Street			San Leandro Street		
Base Volume Input [veh/h]	6	369	144	205	395	3	3	31	17	216	12	508
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	1.90	11.10	7.80	2.50	0.00	0.00	0.00	0.00	8.30	2.00	5.70
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	6	369	144	205	395	3	3	31	17	216	12	508
Peak Hour Factor	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	2	97	38	54	104	1	1	8	4	57	3	134
Total Analysis Volume [veh/h]	6	388	152	216	416	3	3	33	18	227	13	535
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing major stree	9			16			8			15		
v_di, Inbound Pedestrian Volume crossing major street [	8			15			9			16		
v_co, Outbound Pedestrian Volume crossing minor stree	24			15			16			24		
v_ci, Inbound Pedestrian Volume crossing minor street [	24			16			15			24		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	27			3			3			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	95
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Fully actuated
Offset [s]	55.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	9.00

Phasing & Timing

Control Type	Permis	Permis	Permis	Protect	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis
Signal Group	0	6	0	5	2	0	0	4	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	Lag	-	-	-	-	-	-	-	-
Minimum Green [s]	0	5	0	5	5	0	0	5	0	0	5	0
Maximum Green [s]	0	30	0	30	30	0	0	30	0	0	30	0
Amber [s]	0.0	3.5	0.0	3.0	3.5	0.0	0.0	3.5	0.0	0.0	3.5	0.0
All red [s]	0.0	1.0	0.0	1.0	1.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0
Split [s]	0	35	0	25	35	0	0	35	0	0	35	0
Vehicle Extension [s]	0.0	3.0	0.0	3.0	3.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0
Walk [s]	0	7	0	0	7	0	0	7	0	0	7	0
Pedestrian Clearance [s]	0	6	0	0	9	0	0	12	0	0	12	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	0.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0
I2, Clearance Lost Time [s]	0.0	2.5	0.0	2.0	2.5	0.0	0.0	2.5	0.0	0.0	2.5	0.0
Minimum Recall		No		No	No			No			No	
Maximum Recall		No		No	No			No			No	
Pedestrian Recall		No		No	No			No			No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	20.0	0.0	20.0	20.0	0.0	0.0	20.0	0.0	0.0	20.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	C	C	L	C	C	C	C	L	C
C, Cycle Length [s]	95	95	95	95	95	95	95	95	95
L, Total Lost Time per Cycle [s]	4.50	4.50	4.00	4.50	4.50	4.50	4.50	4.50	4.50
l1_p, Permitted Start-Up Lost Time [s]	2.00	0.00	0.00	0.00	0.00	2.00	0.00	2.00	0.00
l2, Clearance Lost Time [s]	2.50	2.50	2.00	2.50	2.50	2.50	2.50	2.50	2.50
g_i, Effective Green Time [s]	30	30	14	48	48	38	38	38	38
g / C, Green / Cycle	0.32	0.32	0.15	0.51	0.51	0.40	0.40	0.40	0.40
(v / s)_i Volume / Saturation Flow Rate	0.16	0.17	0.13	0.11	0.11	0.02	0.02	0.18	0.34
s, saturation flow rate [veh/h]	1856	1462	1698	1862	1856	632	1575	1272	1595
c, Capacity [veh/h]	629	465	252	947	944	296	625	532	633
d1, Uniform Delay [s]	26.23	26.62	39.47	12.92	12.92	20.54	17.73	23.77	26.35
k, delay calibration	0.50	0.50	0.11	0.50	0.50	0.11	0.11	0.11	0.16
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	2.52	4.38	8.23	0.54	0.54	0.07	0.04	0.54	5.32
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.47	0.54	0.86	0.22	0.22	0.05	0.06	0.43	0.87
d, Delay for Lane Group [s/veh]	28.75	31.01	47.71	13.46	13.47	20.62	17.77	24.32	31.67
Lane Group LOS	C	C	D	B	B	C	B	C	C
Critical Lane Group	No	Yes	Yes	No	No	No	No	No	Yes
50th-Percentile Queue Length [veh/ln]	5.76	5.11	5.42	2.52	2.52	0.21	0.52	3.96	11.82
50th-Percentile Queue Length [ft/ln]	144.01	127.86	135.61	63.12	63.01	5.28	13.00	98.96	295.48
95th-Percentile Queue Length [veh/ln]	9.70	8.82	9.24	4.54	4.54	0.38	0.94	7.13	17.46
95th-Percentile Queue Length [ft/ln]	242.42	220.58	231.10	113.62	113.41	9.51	23.40	178.13	436.43

Movement, Approach, & Intersection Results

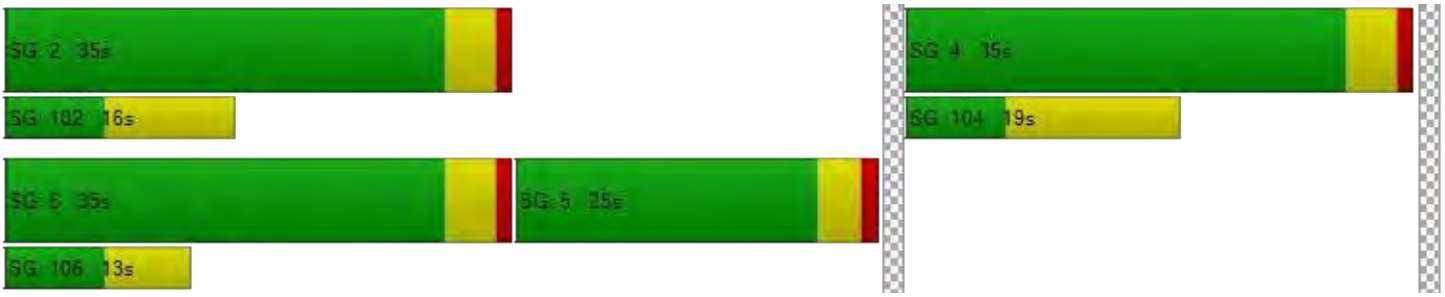
d_M, Delay for Movement [s/veh]	28.75	29.32	31.01	47.71	13.46	13.47	20.62	18.86	17.77	24.32	31.67	31.67
Movement LOS	C	C	C	D	B	B	C	B	B	C	C	C
d_A, Approach Delay [s/veh]	29.78			25.11			18.59			29.52		
Approach LOS	C			C			B			C		
d_I, Intersection Delay [s/veh]	27.90											
Intersection LOS	C											
Intersection V/C	0.709											

Other Modes

g_Walk,mi, Effective Walk Time [s]	11.0	11.0	11.0	11.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	37.14	37.14	37.14	37.14
I_p,int, Pedestrian LOS Score for Intersection	2.750	2.611	1.976	2.420
Crosswalk LOS	C	B	A	B
s_b, Saturation Flow Rate of the bicycle lane [bicycles/h]	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	642	642	642	642
d_b, Bicycle Delay [s]	22.20	21.93	21.93	21.90
I_b,int, Bicycle LOS Score for Intersection	0.938	2.083	1.604	2.838
Bicycle LOS	A	B	A	C

Sequence

Ring 1	-	2	-	4	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 5: 29th Street & Project Driveway

Control Type:	Two-way stop	Delay (sec / veh):	0.0
Analysis Method:	HCM 6th Edition	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.011

Intersection Setup

Name	29th Street		29th Street		Project Driveway	
Approach	Northbound		Southbound		Westbound	
Lane Configuration						
Turning Movement	Thru	Right	Left	Thru	Left	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	0	0	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00		30.00		30.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	No		No		Yes	

Volumes

Name	29th Street		29th Street		Project Driveway	
Base Volume Input [veh/h]	1009	0	0	636	0	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.80	0.00	2.00	2.70	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	1009	0	0	636	0	0
Peak Hour Factor	0.8800	0.8800	1.0000	0.8800	0.8800	0.8800
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	287	0	0	181	0	0
Total Analysis Volume [veh/h]	1147	0	0	723	0	0
Pedestrian Volume [ped/h]	0		0		0	

Intersection Settings

Priority Scheme	Free	Free	Stop
Flared Lane			No
Storage Area [veh]	0	0	0
Two-Stage Gap Acceptance			No
Number of Storage Spaces in Median	0	0	0

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.01	0.00	0.00	0.01	0.00	0.00
d_M, Delay for Movement [s/veh]	0.00	0.00	0.00	0.00	36.72	12.70
Movement LOS	A	A		A	E	B
95th-Percentile Queue Length [veh/ln]	0.00	0.00	0.00	0.00	0.00	0.00
95th-Percentile Queue Length [ft/ln]	0.00	0.00	0.00	0.00	0.00	0.00
d_A, Approach Delay [s/veh]	0.00		0.00		24.71	
Approach LOS	A		A		C	
d_I, Intersection Delay [s/veh]	0.00					
Intersection LOS	A					

Intersection Level Of Service Report
Intersection 6: Derby Avenue & 10th Street (Project Driveway)

Control Type:	Two-way stop	Delay (sec / veh):	0.0
Analysis Method:	HCM 6th Edition	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.001

Intersection Setup

Name	Derby Avenue		Project Driveway		10th Street	
Approach	Southbound		Eastbound		Westbound	
Lane Configuration						
Turning Movement	Left	Right	Left	Thru	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	0	0	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00		30.00		30.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	Yes		Yes		Yes	

Volumes

Name	Derby Avenue		Project Driveway		10th Street	
Base Volume Input [veh/h]	57	0	0	0	0	21
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	57	0	0	0	0	21
Peak Hour Factor	0.9200	0.9200	0.9200	0.9200	0.9200	0.9200
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	15	0	0	0	0	6
Total Analysis Volume [veh/h]	62	0	0	0	0	23
Pedestrian Volume [ped/h]	0		0		0	

Intersection Settings

Priority Scheme	Free	Stop	Free
Flared Lane			
Storage Area [veh]	0	0	0
Two-Stage Gap Acceptance		No	
Number of Storage Spaces in Median	0	0	0

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.00	0.00	0.00	0.00	0.00	0.00
d_M, Delay for Movement [s/veh]	0.00	0.00	8.93	9.34	7.34	0.00
Movement LOS	A	A	A	A	A	A
95th-Percentile Queue Length [veh/ln]	0.00	0.00	0.00	0.00	0.00	0.00
95th-Percentile Queue Length [ft/ln]	0.00	0.00	0.00	0.00	0.00	0.00
d_A, Approach Delay [s/veh]	0.00		9.14		0.00	
Approach LOS	A		A		A	
d_I, Intersection Delay [s/veh]	0.00					
Intersection LOS	A					

Derby Avenue Charter School

Vistro File: H:\...\24921_DerbyAveSchool_20200904.vistro
Report File: H:\...\24921_Existing PM.pdf

Scenario 2 Existing PM
9/4/2020

Intersection Analysis Summary

ID	Intersection Name	Control Type	Method	Worst Mvmt	V/C	Delay (s/veh)	LOS
1	E 12th Street and 29th Avenue	Signalized	HCM 6th Edition	WB Left	0.743	32.6	C
2	12th Street & Derby Avenue	Signalized	HCM 6th Edition	WB Left	0.321	7.0	A
3	Fruitvale Avenue & 12th Street	Signalized	HCM 6th Edition	EB Left	0.584	37.0	D
4	Fruitvale Avenue & 10th Street	Signalized	HCM 6th Edition	SB Left	0.679	29.5	C
5	29th Street & Project Driveway	Two-way stop	HCM 6th Edition	SB Thru	0.012	0.0	A
6	Derby Avenue & 10th Street (Project Driveway)	Two-way stop	HCM 6th Edition	SB Left	0.002	0.0	A

V/C, Delay, LOS: For two-way stop, these values are taken from the movement with the worst (highest) delay value. For all other control types, they are taken for the whole intersection.

Intersection Level Of Service Report
Intersection 1: E 12th Street and 29th Avenue

Control Type:	Signalized	Delay (sec / veh):	32.6
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.743

Intersection Setup

Name	29th Street			29th Street			E 12th Street			E 12th Street		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	0	0	0	1	1	0	1	1	0	1
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	140.00	100.00	125.00	225.00	100.00	75.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	29th Street			29th Street			E 12th Street			E 12th Street		
Base Volume Input [veh/h]	101	367	75	64	903	434	145	813	127	27	369	30
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	5.90	2.20	0.00	1.60	1.60	0.70	0.70	0.50	4.70	0.00	0.90	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	101	367	75	64	903	434	145	813	127	27	369	30
Peak Hour Factor	0.9400	0.9400	0.9400	0.9400	0.9400	0.9400	0.9400	0.9400	0.9400	0.9400	0.9400	0.9400
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	27	98	20	17	240	115	39	216	34	7	98	8
Total Analysis Volume [veh/h]	107	390	80	68	961	462	154	865	135	29	393	32
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing major stree	13			6			13			6		
v_di, Inbound Pedestrian Volume crossing major street [	13			6			13			6		
v_co, Outbound Pedestrian Volume crossing minor stree	4			7			7			4		
v_ci, Inbound Pedestrian Volume crossing minor street [	4			7			7			4		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	8			4			1			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Free Running
Actuation Type	Fully actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	12.00

Phasing & Timing

Control Type	Protect	Permis	Permis	Permis	Permis	Permis	Protect	Permis	Permis	Protect	Permis	Permis
Signal Group	3	8	0	0	4	4	1	6	0	5	2	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	-	-	-	Lead	-	-	Lead	-	-
Minimum Green [s]	5	5	0	0	5	5	5	5	0	5	5	0
Maximum Green [s]	25	30	0	0	30	30	25	30	0	25	30	0
Amber [s]	4.0	4.5	0.0	0.0	4.0	4.0	4.5	4.5	0.0	4.5	4.5	0.0
All red [s]	1.0	1.0	0.0	0.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	0.0
Split [s]	0	0	0	0	0	0	0	0	0	0	0	0
Vehicle Extension [s]	3.0	3.0	0.0	0.0	3.0	3.0	3.0	3.0	0.0	3.0	3.0	0.0
Walk [s]	0	7	0	0	7	7	0	7	0	0	7	0
Pedestrian Clearance [s]	0	26	0	0	23	23	0	10	0	0	10	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	0.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	0.0
I2, Clearance Lost Time [s]	3.0	3.5	0.0	0.0	3.0	3.0	3.5	3.5	0.0	3.5	3.5	0.0
Minimum Recall	No	No			No		No	Yes		No	Yes	
Maximum Recall	No	Yes			Yes		No	No		No	No	
Pedestrian Recall	No	No			No		No	No		No	No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	20.0	20.0	0.0	0.0	20.0	20.0	20.0	20.0	0.0	20.0	20.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	C	R	L	C	R	L	C	R
C, Cycle Length [s]	84	84	84	84	84	84	84	84	84	84	84
L, Total Lost Time per Cycle [s]	5.00	5.50	5.00	5.00	5.00	5.50	5.50	5.50	5.50	5.50	5.50
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	3.00	3.50	0.00	3.00	3.00	3.50	3.50	3.50	3.50	3.50	3.50
g_i, Effective Green Time [s]	7	41	30	30	30	9	24	24	2	17	17
g / C, Green / Cycle	0.08	0.49	0.36	0.36	0.36	0.11	0.28	0.28	0.03	0.20	0.20
(v / s)_i Volume / Saturation Flow Rate	0.06	0.26	0.27	0.32	0.29	0.09	0.24	0.09	0.02	0.11	0.02
s, saturation flow rate [veh/h]	1725	1805	1790	1707	1583	1800	3603	1493	1810	3592	1568
c, Capacity [veh/h]	140	886	642	608	564	197	1022	424	54	734	320
d1, Uniform Delay [s]	37.92	14.77	23.56	25.63	24.50	36.54	28.43	23.66	40.29	29.94	27.20
k, delay calibration	0.11	0.50	0.50	0.50	0.50	0.11	0.11	0.11	0.11	0.11	0.11
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	8.42	2.27	8.01	18.31	12.55	6.70	2.03	0.43	8.12	0.61	0.13
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.77	0.53	0.75	0.90	0.82	0.78	0.85	0.32	0.54	0.54	0.10
d, Delay for Lane Group [s/veh]	46.34	17.04	31.57	43.95	37.05	43.25	30.46	24.09	48.41	30.55	27.34
Lane Group LOS	D	B	C	D	D	D	C	C	D	C	C
Critical Lane Group	Yes	No	No	Yes	No	No	Yes	No	Yes	No	No
50th-Percentile Queue Length [veh/ln]	2.45	6.28	9.37	12.81	9.84	3.39	8.17	2.10	0.70	3.53	0.52
50th-Percentile Queue Length [ft/ln]	61.19	157.05	234.29	320.19	245.99	84.65	204.37	52.47	17.61	88.21	13.12
95th-Percentile Queue Length [veh/ln]	4.41	10.39	14.39	18.68	14.98	6.09	12.86	3.78	1.27	6.35	0.94
95th-Percentile Queue Length [ft/ln]	110.14	259.82	359.81	466.92	374.60	152.36	321.60	94.45	31.70	158.77	23.62

Movement, Approach, & Intersection Results

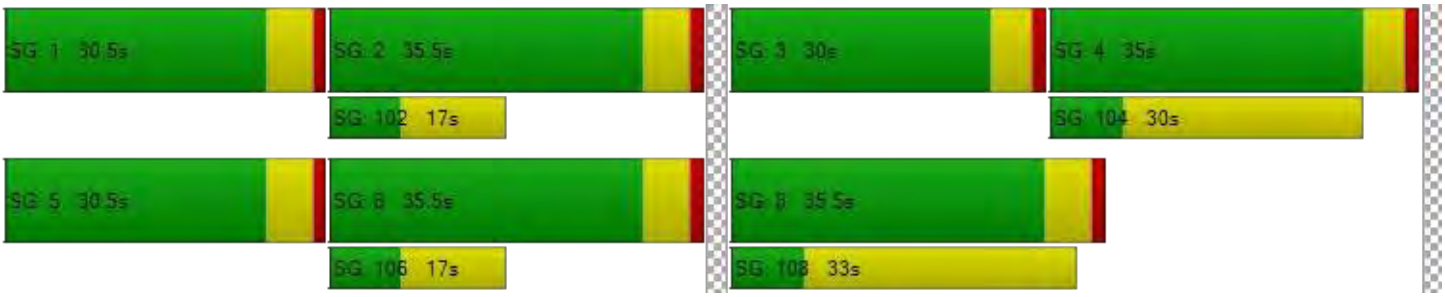
d_M, Delay for Movement [s/veh]	46.34	17.04	17.04	31.57	38.59	37.05	43.25	30.46	24.09	48.41	30.55	27.34
Movement LOS	D	B	B	C	D	D	D	C	C	D	C	C
d_A, Approach Delay [s/veh]	22.48			37.79			31.42			31.47		
Approach LOS	C			D			C			C		
d_I, Intersection Delay [s/veh]	32.61											
Intersection LOS	C											
Intersection V/C	0.743											

Other Modes

g_Walk,mi, Effective Walk Time [s]	11.0	11.0	11.0	11.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	34.67	34.67	34.67	34.67
I_p,int, Pedestrian LOS Score for Intersection	2.545	2.634	2.796	3.359
Crosswalk LOS	B	B	C	C
s_b, Saturation Flow Rate of the bicycle lane [bicycles/h]	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	667	667	667	667
d_b, Bicycle Delay [s]	20.08	20.04	20.01	20.00
I_b,int, Bicycle LOS Score for Intersection	2.512	2.790	2.512	1.934
Bicycle LOS	B	C	B	A

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	-	8	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 2: 12th Street & Derby Avenue

Control Type:	Signalized	Delay (sec / veh):	7.0
Analysis Method:	HCM 6th Edition	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.321

Intersection Setup

Name	Derby Avenue			Derby Avenue			E 12th Street			12th Street		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	0	0	0	0	0	0	1	1	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Derby Avenue			Derby Avenue			E 12th Street			12th Street		
Base Volume Input [veh/h]	17	1	4	10	6	12	19	737	196	8	397	7
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	5.90	0.00	0.00	0.00	0.00	0.00	0.00	6.20	5.60	0.00	3.10	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	17	1	4	10	6	12	19	737	196	8	397	7
Peak Hour Factor	0.8800	0.8800	0.8800	0.8800	0.8800	0.8800	0.8800	0.8800	0.8800	0.8800	0.8800	0.8800
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	5	0	1	3	2	3	5	209	56	2	113	2
Total Analysis Volume [veh/h]	19	1	5	11	7	14	22	838	223	9	451	8
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing major stree	2			6			1			5		
v_di, Inbound Pedestrian Volume crossing major street [	1			5			2			6		
v_co, Outbound Pedestrian Volume crossing minor stree	1			2			2			2		
v_ci, Inbound Pedestrian Volume crossing minor street [	2			2			2			1		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			4			8		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	130
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Fully actuated
Offset [s]	105.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	12.00

Phasing & Timing

Control Type	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Protect	Permis	Permis
Signal Group	0	4	0	0	8	0	0	2	0	1	6	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	Lead	-	-
Minimum Green [s]	0	4	0	0	5	0	0	5	0	5	5	0
Maximum Green [s]	0	50	0	0	50	0	0	50	0	15	50	0
Amber [s]	0.0	4.0	0.0	0.0	4.0	0.0	0.0	4.0	0.0	4.0	4.0	0.0
All red [s]	0.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
Split [s]	0	45	0	0	45	0	0	25	0	15	40	0
Vehicle Extension [s]	0.0	3.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0	3.0	3.0	0.0
Walk [s]	0	4	0	0	4	0	0	7	0	0	7	0
Pedestrian Clearance [s]	0	29	0	0	29	0	0	7	0	0	7	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	0.0	2.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0	2.0	2.0	0.0
I2, Clearance Lost Time [s]	0.0	3.0	0.0	0.0	3.0	0.0	0.0	2.0	0.0	3.0	2.0	0.0
Minimum Recall		No			No			Yes		No	Yes	
Maximum Recall		No			No			No		No	No	
Pedestrian Recall		No			No			Yes		No	Yes	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	20.0	0.0	0.0	20.0	0.0	0.0	20.0	0.0	20.0	20.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	C	C	C	C	R	L	C	C
C, Cycle Length [s]	130	130	130	130	130	130	130	130
L, Total Lost Time per Cycle [s]	5.00	5.00	4.00	4.00	4.00	5.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	3.00	3.00	2.00	2.00	2.00	3.00	2.00	2.00
g_i, Effective Green Time [s]	4	6	100	100	100	1	106	106
g / C, Green / Cycle	0.03	0.04	0.77	0.77	0.77	0.01	0.82	0.82
(v / s)_i Volume / Saturation Flow Rate	0.01	0.02	0.25	0.25	0.15	0.00	0.12	0.12
s, saturation flow rate [veh/h]	1770	1736	1748	1644	1507	1810	1853	1840
c, Capacity [veh/h]	56	75	1371	1263	1157	20	1515	1504
d1, Uniform Delay [s]	61.86	60.66	4.64	4.69	4.09	63.96	2.48	2.48
k, delay calibration	0.11	0.11	0.50	0.50	0.50	0.11	0.11	0.11
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	5.42	3.77	0.63	0.70	0.37	15.46	0.05	0.05
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.44	0.43	0.32	0.33	0.19	0.46	0.15	0.15
d, Delay for Lane Group [s/veh]	67.28	64.43	5.27	5.39	4.47	79.42	2.52	2.53
Lane Group LOS	E	E	A	A	A	E	A	A
Critical Lane Group	Yes	Yes	Yes	No	No	Yes	No	No
50th-Percentile Queue Length [veh/ln]	0.90	1.11	3.45	3.30	1.54	0.38	0.99	0.98
50th-Percentile Queue Length [ft/ln]	22.47	27.80	86.29	82.40	38.61	9.55	24.70	24.60
95th-Percentile Queue Length [veh/ln]	1.62	2.00	6.21	5.93	2.78	0.69	1.78	1.77
95th-Percentile Queue Length [ft/ln]	40.45	50.04	155.33	148.32	69.50	17.19	44.46	44.29

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	67.28	67.28	67.28	64.43	64.43	64.43	5.27	5.33	4.47	79.42	2.53	2.53
Movement LOS	E	E	E	E	E	E	A	A	A	E	A	A
d_A, Approach Delay [s/veh]	67.28			64.43			5.15			4.00		
Approach LOS	E			E			A			A		
d_I, Intersection Delay [s/veh]	6.96											
Intersection LOS	A											
Intersection V/C	0.321											

Other Modes

g_Walk,mi, Effective Walk Time [s]	11.0	11.0	8.0	8.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	54.47	54.47	57.25	57.25
I_p,int, Pedestrian LOS Score for Intersection	1.861	1.794	2.625	2.577
Crosswalk LOS	A	A	B	B
s_b, Saturation Flow Rate of the bicycle lane [bicycles/h]	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	615	615	323	554
d_b, Bicycle Delay [s]	31.15	31.15	45.79	34.12
I_b,int, Bicycle LOS Score for Intersection	1.601	1.612	2.453	1.946
Bicycle LOS	A	A	B	A

Sequence

Ring 1	1	2	4	8	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Intersection Level Of Service Report
Intersection 3: Fruitvale Avenue & 12th Street

Control Type:	Signalized	Delay (sec / veh):	37.0
Analysis Method:	HCM 6th Edition	Level Of Service:	D
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.584

Intersection Setup

Name	Fruitvale Avenue			Fruitvale Avenue			12th Street			12th Street		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	0	0	0	1	0	0	1	0	1
Entry Pocket Length [ft]	80.00	100.00	100.00	100.00	100.00	100.00	200.00	100.00	100.00	185.00	100.00	185.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	Yes			Yes			Yes			Yes		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Fruitvale Avenue			Fruitvale Avenue			12th Street			12th Street		
Base Volume Input [veh/h]	235	364	60	70	361	46	114	256	381	112	131	66
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	4.30	2.20	0.00	2.90	2.80	2.20	0.90	0.80	3.90	1.80	0.80	1.50
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	235	364	60	70	361	46	114	256	381	112	131	66
Peak Hour Factor	0.9600	0.9600	0.9600	0.9600	0.9600	0.9600	0.9600	0.9600	0.9600	0.9600	0.9600	0.9600
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	61	95	16	18	94	12	30	67	99	29	34	17
Total Analysis Volume [veh/h]	245	379	63	73	376	48	119	267	397	117	136	69
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing major stree	58			30			57			30		
v_di, Inbound Pedestrian Volume crossing major street [	57			30			58			30		
v_co, Outbound Pedestrian Volume crossing minor stree	18			40			40			18		
v_ci, Inbound Pedestrian Volume crossing minor street [	18			40			40			18		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	9			4			7			20		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	130
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Fully actuated
Offset [s]	119.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	12.00

Phasing & Timing

Control Type	Protect	Permis	Permis	Permis	Permis	Permis	Protect	Permis	Overla	Protect	Permis	Permis
Signal Group	1	6	0	0	2	0	3	8	8	7	4	0
Auxiliary Signal Groups									1,8			
Lead / Lag	Lead	-	-	-	-	-	Lead	-	-	Lead	-	-
Minimum Green [s]	5	5	0	0	5	0	5	5	5	5	5	0
Maximum Green [s]	30	30	0	0	30	0	30	30	30	30	30	0
Amber [s]	3.0	3.5	0.0	0.0	3.5	0.0	3.0	3.5	3.5	3.0	3.5	0.0
All red [s]	1.0	1.0	0.0	0.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0	0.0
Split [s]	44	84	0	0	40	0	16	30	30	16	30	0
Vehicle Extension [s]	2.0	3.0	0.0	0.0	2.0	0.0	3.0	2.0	2.0	2.0	3.0	0.0
Walk [s]	0	6	0	0	6	0	0	6	6	0	6	0
Pedestrian Clearance [s]	0	18	0	0	24	0	0	19	19	0	15	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0	0.0
I2, Clearance Lost Time [s]	2.0	2.5	0.0	0.0	2.5	0.0	2.0	2.5	2.5	2.0	2.5	0.0
Minimum Recall	No	No			No		No	No	No	No	No	
Maximum Recall	No	No			No		No	No	No	No	No	
Pedestrian Recall	No	No			No		No	No	No	No	No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	20.0	20.0	0.0	0.0	20.0	0.0	20.0	20.0	20.0	20.0	20.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	C	L	C	R	L	C	C
C, Cycle Length [s]	130	130	130	130	130	130	130	130	130	130
L, Total Lost Time per Cycle [s]	4.00	4.50	4.50	4.50	4.00	4.50	4.00	4.00	4.50	4.50
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.50	2.50	2.50	2.00	2.50	0.00	2.00	2.50	2.50
g_i, Effective Green Time [s]	28	82	50	50	10	24	57	10	24	24
g / C, Green / Cycle	0.22	0.63	0.39	0.39	0.08	0.19	0.44	0.08	0.19	0.19
(v / s)_i Volume / Saturation Flow Rate	0.07	0.24	0.19	0.18	0.07	0.14	0.26	0.07	0.06	0.07
s, saturation flow rate [veh/h]	3395	1813	1048	1619	1797	1888	1554	1784	1888	1407
c, Capacity [veh/h]	732	1149	444	627	144	353	679	142	351	262
d1, Uniform Delay [s]	43.12	11.54	34.70	29.82	58.90	50.05	27.60	58.96	45.62	46.32
k, delay calibration	0.04	0.50	0.50	0.50	0.11	0.10	0.31	0.04	0.11	0.11
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	0.10	0.98	3.38	2.51	11.15	3.10	2.27	4.56	0.48	0.90
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.33	0.38	0.46	0.47	0.83	0.76	0.58	0.83	0.30	0.38
d, Delay for Lane Group [s/veh]	43.22	12.52	38.08	32.32	70.04	53.15	29.87	63.52	46.09	47.23
Lane Group LOS	D	B	D	C	E	D	C	E	D	D
Critical Lane Group	Yes	No	Yes	No	No	No	Yes	Yes	No	No
50th-Percentile Queue Length [veh/ln]	3.37	6.37	5.80	7.35	4.31	8.53	9.70	3.98	3.02	2.89
50th-Percentile Queue Length [ft/ln]	84.26	159.14	144.97	183.67	107.83	213.31	242.50	99.55	75.43	72.27
95th-Percentile Queue Length [veh/ln]	6.07	10.50	9.75	11.79	7.72	13.32	14.81	7.17	5.43	5.20
95th-Percentile Queue Length [ft/ln]	151.67	262.58	243.69	294.80	192.97	333.07	370.20	179.19	135.78	130.09

Movement, Approach, & Intersection Results

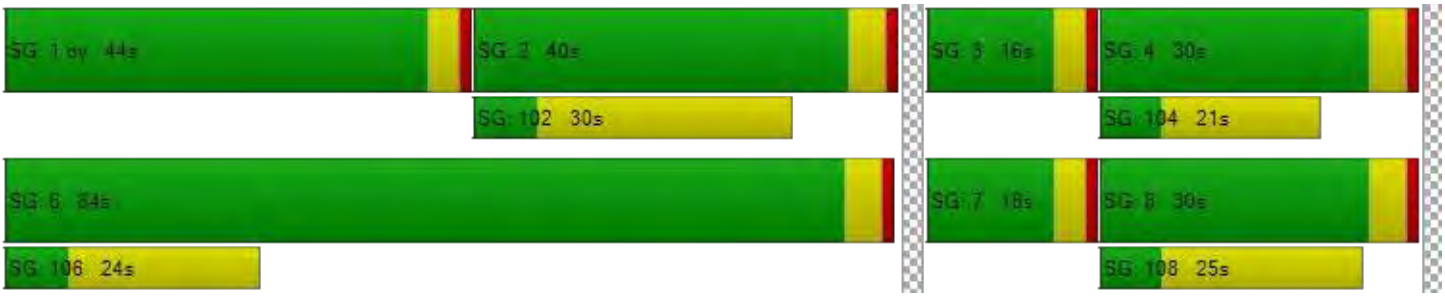
d_M, Delay for Movement [s/veh]	43.22	12.52	12.52	38.08	34.32	32.32	70.04	53.15	29.87	63.52	46.34	47.23
Movement LOS	D	B	B	D	C	C	E	D	C	E	D	D
d_A, Approach Delay [s/veh]	23.47			34.68			43.91			52.77		
Approach LOS	C			C			D			D		
d_I, Intersection Delay [s/veh]	37.02											
Intersection LOS	D											
Intersection V/C	0.584											

Other Modes

g_Walk,mi, Effective Walk Time [s]	10.0	10.0	10.0	10.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	55.38	55.38	55.38	55.38
I_p,int, Pedestrian LOS Score for Intersection	2.626	2.304	2.554	2.430
Crosswalk LOS	B	B	B	B
s_b, Saturation Flow Rate of the bicycle lane [bicycles/h]	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	1223	546	392	392
d_b, Bicycle Delay [s]	9.85	34.42	42.15	42.43
I_b,int, Bicycle LOS Score for Intersection	2.693	1.970	2.852	0.753
Bicycle LOS	B	A	C	A

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	-	6	7	8	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 4: Fruitvale Avenue & 10th Street

Control Type:	Signalized	Delay (sec / veh):	29.5
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.679

Intersection Setup

Name	Fruitvale Avenue			Fruitvale Avenue			10th Street			San Leandro Street		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	0	1	0	0	1	0	0	0	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	175.00	100.00	100.00	150.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Fruitvale Avenue			Fruitvale Avenue			10th Street			San Leandro Street		
Base Volume Input [veh/h]	2	413	161	351	440	6	2	159	117	202	14	329
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	1.00	8.10	4.80	0.50	0.00	0.00	2.50	0.00	5.90	0.00	5.20
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	2	413	161	351	440	6	2	159	117	202	14	329
Peak Hour Factor	0.9600	0.9600	0.9600	0.9600	0.9600	0.9600	0.9600	0.9600	0.9600	0.9600	0.9600	0.9600
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	1	108	42	91	115	2	1	41	30	53	4	86
Total Analysis Volume [veh/h]	2	430	168	366	458	6	2	166	122	210	15	343
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing major stree	6			19			5			18		
v_di, Inbound Pedestrian Volume crossing major street [	5			18			6			19		
v_co, Outbound Pedestrian Volume crossing minor stree	24			27			27			25		
v_ci, Inbound Pedestrian Volume crossing minor street [	25			27			27			24		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	11			7			1			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	95
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Fully actuated
Offset [s]	73.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	9.00

Phasing & Timing

Control Type	Permis	Permis	Permis	Protect	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis
Signal Group	0	6	0	5	2	0	0	4	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	Lead	-	-	-	-	-	-	-	-
Minimum Green [s]	0	5	0	5	5	0	0	5	0	0	5	0
Maximum Green [s]	0	30	0	30	30	0	0	30	0	0	30	0
Amber [s]	0.0	3.5	0.0	3.0	3.5	0.0	0.0	3.5	0.0	0.0	3.5	0.0
All red [s]	0.0	1.0	0.0	1.0	1.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0
Split [s]	0	34	0	28	34	0	0	33	0	0	33	0
Vehicle Extension [s]	0.0	3.0	0.0	3.0	3.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0
Walk [s]	0	7	0	0	7	0	0	7	0	0	7	0
Pedestrian Clearance [s]	0	6	0	0	9	0	0	12	0	0	12	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	0.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0
I2, Clearance Lost Time [s]	0.0	2.5	0.0	2.0	2.5	0.0	0.0	2.5	0.0	0.0	2.5	0.0
Minimum Recall		No		No	No			No			No	
Maximum Recall		No		No	No			No			No	
Pedestrian Recall		No		No	No			No			No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	20.0	0.0	20.0	20.0	0.0	0.0	20.0	0.0	0.0	20.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	C	C	L	C	C	C	C	L	C
C, Cycle Length [s]	95	95	95	95	95	95	95	95	95
L, Total Lost Time per Cycle [s]	4.50	4.50	4.00	4.50	4.50	4.50	4.50	4.50	4.50
l1_p, Permitted Start-Up Lost Time [s]	2.00	0.00	0.00	0.00	0.00	2.00	0.00	2.00	0.00
l2, Clearance Lost Time [s]	2.50	2.50	2.00	2.50	2.50	2.50	2.50	2.50	2.50
g_i, Effective Green Time [s]	29	29	22	54	54	32	32	32	32
g / C, Green / Cycle	0.30	0.30	0.23	0.57	0.57	0.33	0.33	0.33	0.33
(v / s)_i Volume / Saturation Flow Rate	0.17	0.18	0.21	0.12	0.12	0.08	0.09	0.20	0.22
s, saturation flow rate [veh/h]	1883	1478	1741	1892	1880	1852	1428	1053	1625
c, Capacity [veh/h]	610	447	400	1086	1079	652	473	332	538
d1, Uniform Delay [s]	27.98	28.36	35.70	9.82	9.83	23.21	23.43	33.97	27.25
k, delay calibration	0.50	0.50	0.21	0.50	0.50	0.11	0.11	0.11	0.11
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	3.36	6.10	14.51	0.45	0.46	0.19	0.32	1.99	1.42
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.54	0.61	0.92	0.21	0.21	0.24	0.28	0.63	0.67
d, Delay for Lane Group [s/veh]	31.34	34.45	50.21	10.28	10.28	23.40	23.75	35.96	28.68
Lane Group LOS	C	C	D	B	B	C	C	D	C
Critical Lane Group	No	Yes	Yes	No	No	No	No	No	Yes
50th-Percentile Queue Length [veh/ln]	6.72	5.95	9.70	2.35	2.35	2.57	2.20	4.66	6.99
50th-Percentile Queue Length [ft/ln]	168.09	148.85	242.42	58.87	58.65	64.21	55.02	116.53	174.66
95th-Percentile Queue Length [veh/ln]	10.98	9.96	14.80	4.24	4.22	4.62	3.96	8.20	11.32
95th-Percentile Queue Length [ft/ln]	274.40	248.90	370.10	105.96	105.57	115.59	99.04	205.05	283.02

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	31.34	32.10	34.45	50.21	10.28	10.28	23.40	23.42	23.75	35.96	28.68	28.68
Movement LOS	C	C	C	D	B	B	C	C	C	D	C	C
d_A, Approach Delay [s/veh]	32.75			27.89			23.56			31.37		
Approach LOS	C			C			C			C		
d_I, Intersection Delay [s/veh]	29.48											
Intersection LOS	C											
Intersection V/C	0.679											

Other Modes

g_Walk,mi, Effective Walk Time [s]	11.0	11.0	11.0	11.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	37.14	37.14	37.14	37.14
I_p,int, Pedestrian LOS Score for Intersection	2.771	2.618	2.047	2.442
Crosswalk LOS	C	B	B	B
s_b, Saturation Flow Rate of the bicycle lane [bicycles/h]	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	621	621	600	600
d_b, Bicycle Delay [s]	22.71	22.66	23.29	23.28
I_b,int, Bicycle LOS Score for Intersection	0.983	2.244	1.799	2.497
Bicycle LOS	A	B	A	B

Sequence

Ring 1	-	2	-	4	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Intersection Level Of Service Report
Intersection 5: 29th Street & Project Driveway

Control Type:	Two-way stop	Delay (sec / veh):	0.0
Analysis Method:	HCM 6th Edition	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.012

Intersection Setup

Name	29th Street		29th Street		Project Driveway	
Approach	Northbound		Southbound		Westbound	
Lane Configuration						
Turning Movement	Thru	Right	Left	Thru	Left	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	0	0	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00		30.00		30.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	No		No		Yes	

Volumes

Name	29th Street		29th Street		Project Driveway	
Base Volume Input [veh/h]	543	0	0	1057	0	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.60	0.00	2.00	1.90	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	543	0	0	1057	0	0
Peak Hour Factor	0.8800	0.8800	1.0000	0.8800	0.8800	0.8800
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	154	0	0	300	0	0
Total Analysis Volume [veh/h]	617	0	0	1201	0	0
Pedestrian Volume [ped/h]	0		0		0	

Intersection Settings

Priority Scheme	Free	Free	Stop
Flared Lane			No
Storage Area [veh]	0	0	0
Two-Stage Gap Acceptance			No
Number of Storage Spaces in Median	0	0	0

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.01	0.00	0.00	0.01	0.00	0.00
d_M, Delay for Movement [s/veh]	0.00	0.00	0.00	0.00	25.46	10.19
Movement LOS	A	A		A	D	B
95th-Percentile Queue Length [veh/ln]	0.00	0.00	0.00	0.00	0.00	0.00
95th-Percentile Queue Length [ft/ln]	0.00	0.00	0.00	0.00	0.00	0.00
d_A, Approach Delay [s/veh]	0.00		0.00		17.82	
Approach LOS	A		A		C	
d_I, Intersection Delay [s/veh]	0.00					
Intersection LOS	A					

Intersection Level Of Service Report
Intersection 6: Derby Avenue & 10th Street (Project Driveway)

Control Type:	Two-way stop	Delay (sec / veh):	0.0
Analysis Method:	HCM 6th Edition	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.002

Intersection Setup

Name	Derby Avenue		Project Driveway		10th Street	
Approach	Southbound		Eastbound		Westbound	
Lane Configuration						
Turning Movement	Left	Right	Left	Thru	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	0	0	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00		30.00		30.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	Yes		Yes		Yes	

Volumes

Name	Derby Avenue		Project Driveway		10th Street	
Base Volume Input [veh/h]	210	0	0	0	0	22
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	210	0	0	0	0	22
Peak Hour Factor	0.9200	0.9200	0.9200	0.9200	0.9200	0.9200
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	57	0	0	0	0	6
Total Analysis Volume [veh/h]	228	0	0	0	0	24
Pedestrian Volume [ped/h]	0		0		0	

Intersection Settings

Priority Scheme	Free	Stop	Free
Flared Lane			
Storage Area [veh]	0	0	0
Two-Stage Gap Acceptance		No	
Number of Storage Spaces in Median	0	0	0

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.00	0.00	0.00	0.00	0.00	0.00
d_M, Delay for Movement [s/veh]	0.00	0.00	9.90	10.36	7.69	0.00
Movement LOS	A	A	A	B	A	A
95th-Percentile Queue Length [veh/ln]	0.00	0.00	0.00	0.00	0.00	0.00
95th-Percentile Queue Length [ft/ln]	0.00	0.00	0.00	0.00	0.00	0.00
d_A, Approach Delay [s/veh]	0.00		10.13		0.00	
Approach LOS	A		B		A	
d_I, Intersection Delay [s/veh]	0.00					
Intersection LOS	A					

KITTELSON & ASSOCIATES
155 GRAND AVENUE, SUITE 900
OAKLAND, CA 94612
P 510.839.1742 F 510.839.0871

Appendix C: Existing Plus Project Conditions Vistro LOS Worksheets

Derby Avenue Charter School

Vistro File: H:\...\24921_DerbyAveSchool_20201006.vistro
Report File: H:\...\24921_Existing+Proj AM.pdf

Scenario 3 Existing + Project AM
10/6/2020

Intersection Analysis Summary

ID	Intersection Name	Control Type	Method	Worst Mvmt	V/C	Delay (s/veh)	LOS
1	E 12th Street and 29th Avenue	Signalized	HCM 6th Edition	NB Thru	0.875	43.9	D
2	12th Street & Derby Avenue	Signalized	HCM 6th Edition	SB Right	0.178	9.3	A
3	Fruitvale Avenue & 12th Street	Signalized	HCM 6th Edition	EB Left	0.535	26.5	C
4	Fruitvale Avenue & 10th Street	Signalized	HCM 6th Edition	SB Left	0.737	28.6	C
5	29th Street & Project Driveway	Two-way stop	HCM 6th Edition	WB Right	0.171	14.3	B
6	Derby Avenue & 10th Street (Project Driveway)	Two-way stop	HCM 6th Edition	WB Thru	0.082	7.6	A

V/C, Delay, LOS: For two-way stop, these values are taken from the movement with the worst (highest) delay value. For all other control types, they are taken for the whole intersection.

Intersection Level Of Service Report
Intersection 1: E 12th Street and 29th Avenue

Control Type:	Signalized	Delay (sec / veh):	43.9
Analysis Method:	HCM 6th Edition	Level Of Service:	D
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.875

Intersection Setup

Name	29th Street			29th Street			E 12th Street			E 12th Street		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	0	0	0	1	1	0	1	1	0	1
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	140.00	100.00	125.00	225.00	100.00	75.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	29th Street			29th Street			E 12th Street			E 12th Street		
Base Volume Input [veh/h]	166	746	97	46	462	387	160	163	121	53	279	99
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	6.00	2.40	0.00	0.00	2.40	1.30	1.30	1.20	5.00	0.00	0.70	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	11	42	17	0	0	0	0	13	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	177	788	114	46	462	387	160	176	121	53	279	99
Peak Hour Factor	0.8800	0.8800	0.8800	0.8800	0.8800	0.8800	0.8800	0.8800	0.8800	0.8800	0.8800	0.8800
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	50	224	32	13	131	110	45	50	34	15	79	28
Total Analysis Volume [veh/h]	201	895	130	52	525	440	182	200	138	60	317	113
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing major stree	37			19			36			18		
v_di, Inbound Pedestrian Volume crossing major street [	36			18			37			19		
v_co, Outbound Pedestrian Volume crossing minor stree	19			10			11			19		
v_ci, Inbound Pedestrian Volume crossing minor street [	19			11			10			19		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	3			5			2			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Free Running
Actuation Type	Fully actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	12.00

Phasing & Timing

Control Type	Protect	Permis	Permis	Permis	Permis	Permis	Protect	Permis	Permis	Protect	Permis	Permis
Signal Group	3	8	0	0	4	0	1	6	0	5	2	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	-	-	-	Lead	-	-	Lead	-	-
Minimum Green [s]	5	5	0	0	5	0	5	5	0	5	5	0
Maximum Green [s]	25	30	0	0	30	0	25	30	0	25	30	0
Amber [s]	4.0	4.5	0.0	0.0	4.0	0.0	4.5	4.5	0.0	4.5	4.5	0.0
All red [s]	1.0	1.0	0.0	0.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0
Split [s]	0	0	0	0	0	0	0	0	0	0	0	0
Vehicle Extension [s]	3.0	3.0	0.0	0.0	3.0	0.0	3.0	3.0	0.0	3.0	3.0	0.0
Walk [s]	0	7	0	0	7	0	0	7	0	0	7	0
Pedestrian Clearance [s]	0	26	0	0	23	0	0	10	0	0	10	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0
I2, Clearance Lost Time [s]	3.0	3.5	0.0	0.0	3.0	0.0	3.5	3.5	0.0	3.5	3.5	0.0
Minimum Recall	No	No			No		No	Yes		No	Yes	
Maximum Recall	No	Yes			Yes		No	No		No	No	
Pedestrian Recall	No	No			No		No	No		No	No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	20.0	20.0	0.0	0.0	20.0	0.0	20.0	20.0	0.0	20.0	20.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	C	R	L	C	R	L	C	R
C, Cycle Length [s]	87	87	87	87	87	87	87	87	87	87	87
L, Total Lost Time per Cycle [s]	5.00	5.50	5.00	5.00	5.00	5.50	5.50	5.50	5.50	5.50	5.50
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	3.00	3.50	0.00	3.00	3.00	3.50	3.50	3.50	3.50	3.50	3.50
g_i, Effective Green Time [s]	12	47	30	30	30	11	20	20	4	13	13
g / C, Green / Cycle	0.14	0.54	0.34	0.34	0.34	0.13	0.23	0.23	0.04	0.15	0.15
(v / s)_i Volume / Saturation Flow Rate	0.12	0.57	0.13	0.20	0.28	0.10	0.06	0.10	0.03	0.09	0.08
s, saturation flow rate [veh/h]	1724	1814	1849	1696	1574	1791	3583	1385	1810	3598	1414
c, Capacity [veh/h]	245	973	642	582	540	227	824	319	81	534	210
d1, Uniform Delay [s]	36.44	20.27	21.71	23.50	26.05	37.14	27.46	28.45	41.27	34.78	34.10
k, delay calibration	0.11	0.50	0.50	0.50	0.50	0.11	0.11	0.11	0.11	0.11	0.11
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	6.74	43.98	1.70	4.08	12.74	6.53	0.15	0.93	12.31	1.06	2.14
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.82	1.05	0.38	0.57	0.81	0.80	0.24	0.43	0.74	0.59	0.54
d, Delay for Lane Group [s/veh]	43.18	64.25	23.41	27.59	38.78	43.67	27.61	29.38	53.58	35.84	36.24
Lane Group LOS	D	F	C	C	D	D	C	C	D	D	D
Critical Lane Group	No	Yes	No	No	No	Yes	No	No	No	Yes	No
50th-Percentile Queue Length [veh/ln]	4.54	29.39	3.95	6.07	9.81	4.12	1.69	2.47	1.54	3.17	2.28
50th-Percentile Queue Length [ft/ln]	113.40	734.83	98.67	151.81	245.33	102.94	42.23	61.84	38.39	79.15	57.08
95th-Percentile Queue Length [veh/ln]	8.03	39.92	7.10	10.11	14.95	7.41	3.04	4.45	2.76	5.70	4.11
95th-Percentile Queue Length [ft/ln]	200.73	998.09	177.61	252.84	373.77	185.29	76.02	111.31	69.10	142.47	102.74

Movement, Approach, & Intersection Results

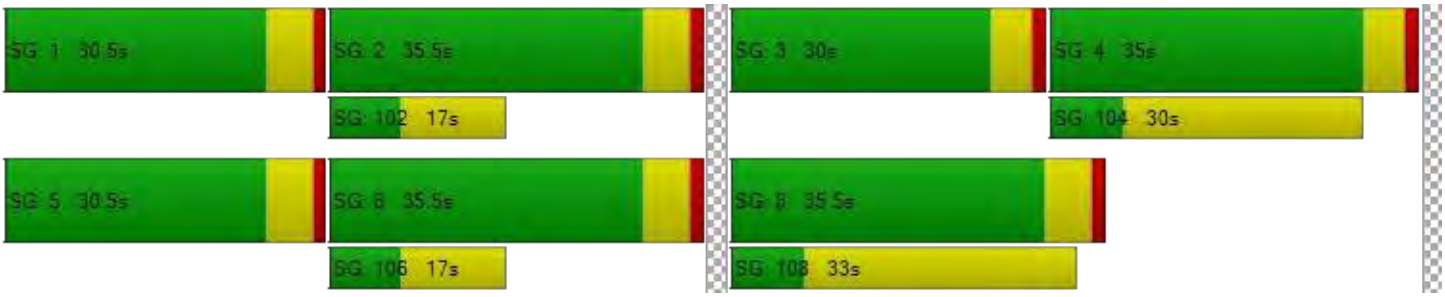
d_M, Delay for Movement [s/veh]	43.18	64.25	64.25	23.41	26.06	38.78	43.67	27.61	29.38	53.58	35.84	36.24
Movement LOS	D	E	E	C	C	D	D	C	C	D	D	D
d_A, Approach Delay [s/veh]	60.80			31.43			33.70			38.10		
Approach LOS	E			C			C			D		
d_I, Intersection Delay [s/veh]	43.87											
Intersection LOS	D											
Intersection V/C	0.875											

Other Modes

g_Walk,mi, Effective Walk Time [s]	11.0	11.0	11.0	11.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	34.67	34.67	34.67	34.67
I_p,int, Pedestrian LOS Score for Intersection	2.606	2.669	2.693	2.930
Crosswalk LOS	B	B	B	C
s_b, Saturation Flow Rate of the bicycle lane [bicycles/h]	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	667	667	667	667
d_b, Bicycle Delay [s]	20.03	20.05	20.02	20.00
I_b,int, Bicycle LOS Score for Intersection	3.583	2.399	1.989	1.964
Bicycle LOS	D	B	A	A

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	-	8	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 2: 12th Street & Derby Avenue

Control Type:	Signalized	Delay (sec / veh):	9.3
Analysis Method:	HCM 6th Edition	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.178

Intersection Setup

Name	Derby Avenue			Derby Avenue			E 12th Street			12th Street		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	0	0	0	0	0	0	1	1	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Derby Avenue			Derby Avenue			E 12th Street			12th Street		
Base Volume Input [veh/h]	10	1	4	13	2	17	7	245	60	1	399	3
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	0.00	0.00	0.00	0.00	0.00	12.50	9.80	1.70	0.00	13.00	33.30
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	13	0	0	17	13	11	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	10	1	4	13	15	17	7	262	73	12	399	3
Peak Hour Factor	0.9400	0.9400	0.9400	0.9400	0.9400	0.9400	0.9400	0.9400	0.9400	0.9400	0.9400	0.9400
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	3	0	1	3	4	5	2	70	19	3	106	1
Total Analysis Volume [veh/h]	11	1	4	14	16	18	7	279	78	13	424	3
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing major stree	3			3			2			3		
v_di, Inbound Pedestrian Volume crossing major street [	2			3			3			3		
v_co, Outbound Pedestrian Volume crossing minor stree	1			0			0			2		
v_ci, Inbound Pedestrian Volume crossing minor street [	2			0			0			1		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			1			5			2		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	130
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Fully actuated
Offset [s]	105.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	12.00

Phasing & Timing

Control Type	Split	Split	Split	Split	Split	Split	Permis	Permis	Permis	Protect	Permis	Permis
Signal Group	0	4	0	0	8	0	0	2	0	1	6	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	Lead	-	-
Minimum Green [s]	0	4	0	0	5	0	0	5	0	5	5	0
Maximum Green [s]	0	50	0	0	50	0	0	50	0	15	50	0
Amber [s]	0.0	4.0	0.0	0.0	4.0	0.0	0.0	4.0	0.0	4.0	4.0	0.0
All red [s]	0.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
Split [s]	0	45	0	0	45	0	0	25	0	15	40	0
Vehicle Extension [s]	0.0	3.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0	3.0	3.0	0.0
Walk [s]	0	4	0	0	4	0	0	7	0	0	7	0
Pedestrian Clearance [s]	0	29	0	0	29	0	0	7	0	0	7	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	0.0	2.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0	2.0	2.0	0.0
I2, Clearance Lost Time [s]	0.0	3.0	0.0	0.0	3.0	0.0	0.0	2.0	0.0	3.0	2.0	0.0
Minimum Recall		No			No			Yes		No	Yes	
Maximum Recall		No			No			No		No	No	
Pedestrian Recall		No			No			Yes		No	Yes	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	20.0	0.0	0.0	20.0	0.0	0.0	20.0	0.0	20.0	20.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	C	C	C	C	R	L	C	C
C, Cycle Length [s]	130	130	130	130	130	130	130	130
L, Total Lost Time per Cycle [s]	5.00	5.00	4.00	4.00	4.00	5.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	3.00	3.00	2.00	2.00	2.00	3.00	2.00	2.00
g_i, Effective Green Time [s]	3	5	101	101	101	2	108	108
g / C, Green / Cycle	0.03	0.04	0.78	0.78	0.78	0.01	0.83	0.83
(v / s)_i Volume / Saturation Flow Rate	0.01	0.03	0.09	0.09	0.05	0.01	0.13	0.13
s, saturation flow rate [veh/h]	1762	1758	1702	1595	1553	1810	1705	1700
c, Capacity [veh/h]	48	64	1349	1237	1204	27	1413	1409
d1, Uniform Delay [s]	62.12	62.08	3.58	3.59	3.45	63.62	2.19	2.19
k, delay calibration	0.11	0.11	0.50	0.50	0.50	0.11	0.11	0.11
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	4.00	15.69	0.16	0.18	0.10	13.30	0.05	0.05
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.33	0.75	0.11	0.11	0.06	0.49	0.15	0.15
d, Delay for Lane Group [s/veh]	66.12	77.76	3.75	3.77	3.55	76.91	2.23	2.23
Lane Group LOS	E	E	A	A	A	E	A	A
Critical Lane Group	Yes	Yes	No	No	No	No	No	Yes
50th-Percentile Queue Length [veh/ln]	0.57	1.86	0.90	0.84	0.46	0.53	0.82	0.82
50th-Percentile Queue Length [ft/ln]	14.36	46.40	22.62	21.11	11.52	13.16	20.53	20.50
95th-Percentile Queue Length [veh/ln]	1.03	3.34	1.63	1.52	0.83	0.95	1.48	1.48
95th-Percentile Queue Length [ft/ln]	25.85	83.52	40.71	38.00	20.74	23.69	36.95	36.89

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	66.12	66.12	66.12	77.76	77.76	77.76	3.75	3.76	3.55	76.91	2.23	2.23
Movement LOS	E	E	E	E	E	E	A	A	A	E	A	A
d_A, Approach Delay [s/veh]	66.12			77.76			3.71			4.44		
Approach LOS	E			E			A			A		
d_I, Intersection Delay [s/veh]	9.33											
Intersection LOS	A											
Intersection V/C	0.178											

Other Modes

g_Walk,mi, Effective Walk Time [s]	11.0	11.0	8.0	8.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	54.47	54.47	57.25	57.25
I_p,int, Pedestrian LOS Score for Intersection	1.792	1.771	2.479	2.463
Crosswalk LOS	A	A	B	B
s_b, Saturation Flow Rate of the bicycle lane [bicycles/h]	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	615	615	323	554
d_b, Bicycle Delay [s]	31.15	31.17	45.81	34.02
I_b,int, Bicycle LOS Score for Intersection	1.586	1.639	1.860	1.923
Bicycle LOS	A	A	A	A

Sequence

Ring 1	1	2	4	8	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Intersection Level Of Service Report
Intersection 3: Fruitvale Avenue & 12th Street

Control Type:	Signalized	Delay (sec / veh):	26.5
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.535

Intersection Setup

Name	Fruitvale Avenue			Fruitvale Avenue			12th Street			12th Street		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	0	0	0	1	0	0	1	0	1
Entry Pocket Length [ft]	80.00	100.00	100.00	100.00	100.00	100.00	200.00	100.00	100.00	185.00	100.00	185.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	Yes			Yes			Yes			Yes		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Fruitvale Avenue			Fruitvale Avenue			12th Street			12th Street		
Base Volume Input [veh/h]	289	478	116	16	410	51	36	64	180	36	63	13
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	17.30	5.50	6.70	0.00	2.70	5.90	2.80	6.30	10.50	0.00	3.20	7.70
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	11	0	0	0	75	0	17	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	300	478	116	16	485	51	53	64	180	36	63	13
Peak Hour Factor	0.9600	0.9600	0.9600	0.9600	0.9600	0.9600	0.9600	0.9600	0.9600	0.9600	0.9600	0.9600
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	78	124	30	4	126	13	14	17	47	9	16	3
Total Analysis Volume [veh/h]	313	498	121	17	505	53	55	67	188	38	66	14
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing major stree	5			4			4			3		
v_di, Inbound Pedestrian Volume crossing major street [	4			3			5			4		
v_co, Outbound Pedestrian Volume crossing minor stree	2			0			1			2		
v_ci, Inbound Pedestrian Volume crossing minor street [	2			1			0			2		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	4			1			1			2		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	130
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Fully actuated
Offset [s]	121.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	12.00

Phasing & Timing

Control Type	Protect	Permis	Permis	Permis	Permis	Permis	Protect	Permis	Overla	Protect	Permis	Permis
Signal Group	1	6	0	0	2	0	3	8	8	7	4	0
Auxiliary Signal Groups									1,8			
Lead / Lag	Lead	-	-	-	-	-	Lead	-	-	Lead	-	-
Minimum Green [s]	5	5	0	0	5	0	5	5	5	5	5	0
Maximum Green [s]	30	30	0	0	30	0	30	30	30	30	30	0
Amber [s]	3.0	3.5	0.0	0.0	3.5	0.0	3.0	3.5	3.5	3.0	3.5	0.0
All red [s]	1.0	1.0	0.0	0.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0	0.0
Split [s]	44	84	0	0	40	0	15	31	31	15	31	0
Vehicle Extension [s]	2.0	3.0	0.0	0.0	2.0	0.0	3.0	2.0	2.0	2.0	3.0	0.0
Walk [s]	0	6	0	0	6	0	0	6	6	0	6	0
Pedestrian Clearance [s]	0	18	0	0	24	0	0	19	19	0	15	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0	0.0
I2, Clearance Lost Time [s]	2.0	2.5	0.0	0.0	2.5	0.0	2.0	2.5	2.5	2.0	2.5	0.0
Minimum Recall	No	No			No		No	No	No	No	No	
Maximum Recall	No	No			No		No	No	No	No	No	
Pedestrian Recall	No	No			No		No	No	No	No	No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	20.0	20.0	0.0	0.0	20.0	0.0	20.0	20.0	20.0	20.0	20.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	C	L	C	R	L	C	C
C, Cycle Length [s]	130	130	130	130	130	130	130	130	130	130
L, Total Lost Time per Cycle [s]	4.00	4.50	4.50	4.50	4.00	4.50	4.00	4.00	4.50	4.50
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.50	2.50	2.50	2.00	2.50	0.00	2.00	2.50	2.50
g_i, Effective Green Time [s]	16	103	83	83	5	10	30	4	8	8
g / C, Green / Cycle	0.12	0.80	0.64	0.64	0.04	0.08	0.23	0.03	0.06	0.06
(v / s)_i Volume / Saturation Flow Rate	0.10	0.35	0.17	0.17	0.03	0.04	0.13	0.02	0.02	0.02
s, saturation flow rate [veh/h]	3034	1748	1773	1632	1769	1805	1473	1810	1852	1683
c, Capacity [veh/h]	376	1390	1165	1046	71	136	344	53	119	108
d1, Uniform Delay [s]	55.64	4.22	10.00	10.09	61.78	57.70	43.69	62.59	58.18	58.29
k, delay calibration	0.04	0.50	0.50	0.50	0.11	0.04	0.04	0.04	0.11	0.11
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	1.87	1.03	0.53	0.61	15.78	1.02	0.50	6.74	1.66	2.07
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.83	0.45	0.26	0.26	0.77	0.49	0.55	0.72	0.34	0.37
d, Delay for Lane Group [s/veh]	57.52	5.25	10.53	10.71	77.57	58.71	44.19	69.33	59.84	60.36
Lane Group LOS	E	A	B	B	E	E	D	E	E	E
Critical Lane Group	No	Yes	No	No	No	No	Yes	Yes	No	No
50th-Percentile Queue Length [veh/ln]	5.12	4.71	3.77	3.52	2.12	2.16	5.39	1.35	1.33	1.32
50th-Percentile Queue Length [ft/ln]	127.92	117.68	94.22	87.94	52.93	54.03	134.64	33.70	33.20	32.99
95th-Percentile Queue Length [veh/ln]	8.83	8.27	6.78	6.33	3.81	3.89	9.19	2.43	2.39	2.38
95th-Percentile Queue Length [ft/ln]	220.66	206.64	169.59	158.29	95.27	97.25	229.79	60.65	59.75	59.39

Movement, Approach, & Intersection Results

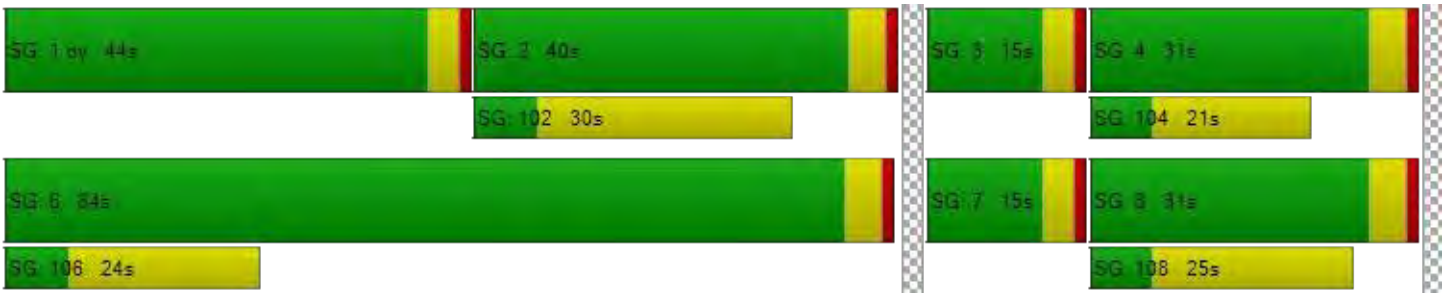
d_M, Delay for Movement [s/veh]	57.52	5.25	5.25	10.53	10.61	10.71	77.57	58.71	44.19	69.33	60.05	60.36
Movement LOS	E	A	A	B	B	B	E	E	D	E	E	E
d_A, Approach Delay [s/veh]	22.80			10.62			53.25			63.07		
Approach LOS	C			B			D			E		
d_I, Intersection Delay [s/veh]	26.52											
Intersection LOS	C											
Intersection V/C	0.535											

Other Modes

g_Walk,mi, Effective Walk Time [s]	10.0	10.0	10.0	10.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	55.38	55.38	55.38	55.38
I_p,int, Pedestrian LOS Score for Intersection	2.642	2.330	2.463	2.252
Crosswalk LOS	B	B	B	B
s_b, Saturation Flow Rate of the bicycle lane [bicycles/h]	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	1223	546	408	408
d_b, Bicycle Delay [s]	9.83	34.36	41.22	41.24
I_b,int, Bicycle LOS Score for Intersection	3.097	2.034	2.071	0.585
Bicycle LOS	C	B	B	A

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	-	6	7	8	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 4: Fruitvale Avenue & 10th Street

Control Type:	Signalized	Delay (sec / veh):	28.6
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.737

Intersection Setup

Name	Fruitvale Avenue			Fruitvale Avenue			10th Street			San Leandro Street		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	0	1	0	0	1	0	0	0	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	175.00	100.00	100.00	150.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Fruitvale Avenue			Fruitvale Avenue			10th Street			San Leandro Street		
Base Volume Input [veh/h]	6	369	144	205	395	3	3	31	17	216	12	508
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	1.90	11.10	7.80	2.50	0.00	0.00	0.00	0.00	8.30	2.00	5.70
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	11	0	0	0	75	0	0	0	0	39	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	6	380	144	205	395	78	3	31	17	216	51	508
Peak Hour Factor	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	2	100	38	54	104	21	1	8	4	57	13	134
Total Analysis Volume [veh/h]	6	400	152	216	416	82	3	33	18	227	54	535
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing major stree	9			16			8			15		
v_di, Inbound Pedestrian Volume crossing major street [	8			15			9			16		
v_co, Outbound Pedestrian Volume crossing minor stree	24			15			16			24		
v_ci, Inbound Pedestrian Volume crossing minor street [	24			16			15			24		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	27			3			3			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	95
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Fully actuated
Offset [s]	55.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	9.00

Phasing & Timing

Control Type	Permis	Permis	Permis	Protect	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis
Signal Group	0	6	0	5	2	0	0	4	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	Lag	-	-	-	-	-	-	-	-
Minimum Green [s]	0	5	0	5	5	0	0	5	0	0	5	0
Maximum Green [s]	0	30	0	30	30	0	0	30	0	0	30	0
Amber [s]	0.0	3.5	0.0	3.0	3.5	0.0	0.0	3.5	0.0	0.0	3.5	0.0
All red [s]	0.0	1.0	0.0	1.0	1.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0
Split [s]	0	35	0	25	35	0	0	35	0	0	35	0
Vehicle Extension [s]	0.0	3.0	0.0	3.0	3.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0
Walk [s]	0	7	0	0	7	0	0	7	0	0	7	0
Pedestrian Clearance [s]	0	6	0	0	9	0	0	12	0	0	12	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	0.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0
I2, Clearance Lost Time [s]	0.0	2.5	0.0	2.0	2.5	0.0	0.0	2.5	0.0	0.0	2.5	0.0
Minimum Recall		No		No	No			No			No	
Maximum Recall		No		No	No			No			No	
Pedestrian Recall		No		No	No			No			No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	20.0	0.0	20.0	20.0	0.0	0.0	20.0	0.0	0.0	20.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	C	C	L	C	C	C	C	L	C
C, Cycle Length [s]	95	95	95	95	95	95	95	95	95
L, Total Lost Time per Cycle [s]	4.50	4.50	4.00	4.50	4.50	4.50	4.50	4.50	4.50
l1_p, Permitted Start-Up Lost Time [s]	2.00	0.00	0.00	0.00	0.00	2.00	0.00	2.00	0.00
l2, Clearance Lost Time [s]	2.50	2.50	2.00	2.50	2.50	2.50	2.50	2.50	2.50
g_i, Effective Green Time [s]	29	29	14	47	47	39	39	39	39
g / C, Green / Cycle	0.31	0.31	0.15	0.50	0.50	0.41	0.41	0.41	0.41
(v / s)_i Volume / Saturation Flow Rate	0.16	0.17	0.13	0.14	0.14	0.02	0.02	0.18	0.37
s, saturation flow rate [veh/h]	1860	1464	1698	1862	1722	637	1575	1272	1612
c, Capacity [veh/h]	609	449	252	926	856	305	643	556	657
d1, Uniform Delay [s]	27.24	27.64	39.47	13.91	13.97	20.04	17.07	22.42	26.24
k, delay calibration	0.50	0.50	0.11	0.50	0.50	0.11	0.11	0.11	0.19
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	2.89	5.12	8.20	0.74	0.83	0.07	0.04	0.48	7.53
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.50	0.57	0.86	0.28	0.28	0.05	0.06	0.41	0.90
d, Delay for Lane Group [s/veh]	30.13	32.76	47.67	14.65	14.80	20.11	17.11	22.90	33.77
Lane Group LOS	C	C	D	B	B	C	B	C	C
Critical Lane Group	No	Yes	Yes	No	No	No	No	No	Yes
50th-Percentile Queue Length [veh/ln]	6.07	5.40	5.42	3.27	3.13	0.21	0.51	3.81	13.18
50th-Percentile Queue Length [ft/ln]	151.72	135.04	135.56	81.85	78.25	5.18	12.65	95.28	329.50
95th-Percentile Queue Length [veh/ln]	10.11	9.21	9.24	5.89	5.63	0.37	0.91	6.86	19.13
95th-Percentile Queue Length [ft/ln]	252.73	230.33	231.03	147.33	140.85	9.33	22.77	171.51	478.35

Movement, Approach, & Intersection Results

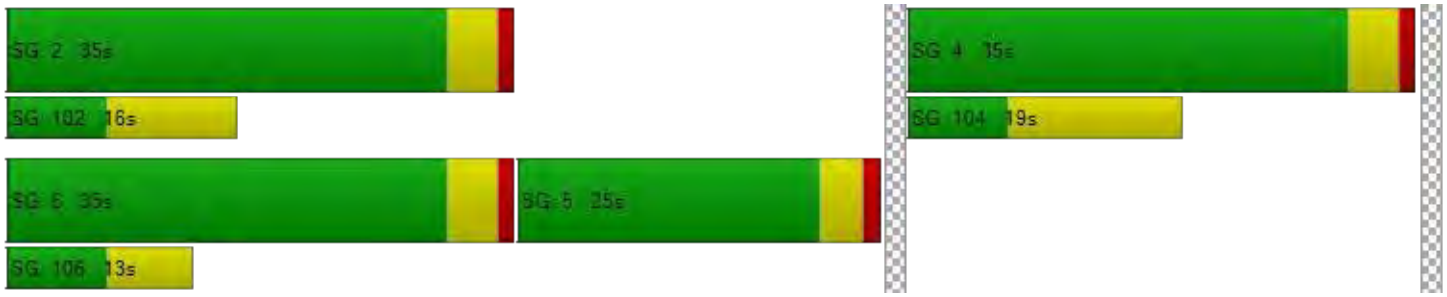
d_M, Delay for Movement [s/veh]	30.13	30.80	32.76	47.67	14.71	14.80	20.11	18.26	17.11	22.90	33.77	33.77
Movement LOS	C	C	C	D	B	B	C	B	B	C	C	C
d_A, Approach Delay [s/veh]	31.33			24.69			17.98			30.74		
Approach LOS	C			C			B			C		
d_I, Intersection Delay [s/veh]	28.56											
Intersection LOS	C											
Intersection V/C	0.737											

Other Modes

g_Walk,mi, Effective Walk Time [s]	11.0	11.0	11.0	11.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	37.14	37.14	37.14	37.14
I_p,int, Pedestrian LOS Score for Intersection	2.753	2.629	2.015	2.430
Crosswalk LOS	C	B	B	B
s_b, Saturation Flow Rate of the bicycle lane [bicycles/h]	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	642	642	642	642
d_b, Bicycle Delay [s]	22.20	21.93	21.93	21.90
I_b,int, Bicycle LOS Score for Intersection	0.948	2.149	1.604	2.906
Bicycle LOS	A	B	A	C

Sequence

Ring 1	-	2	-	4	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 5: 29th Street & Project Driveway

Control Type:	Two-way stop	Delay (sec / veh):	14.3
Analysis Method:	HCM 6th Edition	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.171

Intersection Setup

Name	29th Street		29th Street		Project Driveway	
Approach	Northbound		Southbound		Westbound	
Lane Configuration						
Turning Movement	Thru	Right	Left	Thru	Left	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	0	0	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00		30.00		30.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	No		No		Yes	

Volumes

Name	29th Street		29th Street		Project Driveway	
Base Volume Input [veh/h]	1009	0	0	636	0	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.80	0.00	2.00	2.70	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	70
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	1009	0	0	636	0	70
Peak Hour Factor	0.8800	0.8800	1.0000	0.8800	0.8800	0.8800
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	287	0	0	181	0	20
Total Analysis Volume [veh/h]	1147	0	0	723	0	80
Pedestrian Volume [ped/h]	0		0		0	

Intersection Settings

Priority Scheme	Free	Free	Stop
Flared Lane			No
Storage Area [veh]	0	0	0
Two-Stage Gap Acceptance			No
Number of Storage Spaces in Median	0	0	0

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.01	0.00	0.00	0.01	0.00	0.17
d_M, Delay for Movement [s/veh]	0.00	0.00	0.00	0.00	38.30	14.29
Movement LOS	A	A		A	E	B
95th-Percentile Queue Length [veh/ln]	0.00	0.00	0.00	0.00	0.61	0.61
95th-Percentile Queue Length [ft/ln]	0.00	0.00	0.00	0.00	15.30	15.30
d_A, Approach Delay [s/veh]	0.00		0.00		14.29	
Approach LOS	A		A		B	
d_I, Intersection Delay [s/veh]	0.59					
Intersection LOS	B					

Intersection Level Of Service Report
Intersection 6: Derby Avenue & 10th Street (Project Driveway)

Control Type:	Two-way stop	Delay (sec / veh):	7.6
Analysis Method:	HCM 6th Edition	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.082

Intersection Setup

Name	Derby Avenue		Project Driveway		10th Street	
Approach	Southbound		Eastbound		Westbound	
Lane Configuration						
Turning Movement	Left	Right	Left	Thru	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	0	0	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00		30.00		30.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	Yes		Yes		Yes	

Volumes

Name	Derby Avenue		Project Driveway		10th Street	
Base Volume Input [veh/h]	57	0	0	0	0	21
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	37	0	0	114	0
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	57	37	0	0	114	21
Peak Hour Factor	0.9200	0.9200	0.9200	0.9200	0.9200	0.9200
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	15	10	0	0	31	6
Total Analysis Volume [veh/h]	62	40	0	0	124	23
Pedestrian Volume [ped/h]	0		0		0	

Intersection Settings

Priority Scheme	Free	Stop	Free
Flared Lane			
Storage Area [veh]	0	0	0
Two-Stage Gap Acceptance		No	
Number of Storage Spaces in Median	0	0	0

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.00	0.00	0.00	0.00	0.08	0.00
d_M, Delay for Movement [s/veh]	0.00	0.00	9.75	9.45	7.59	0.00
Movement LOS	A	A	A	A	A	A
95th-Percentile Queue Length [veh/ln]	0.00	0.00	0.00	0.00	0.32	0.32
95th-Percentile Queue Length [ft/ln]	0.00	0.00	0.00	0.00	8.04	8.04
d_A, Approach Delay [s/veh]	0.00		9.60		6.40	
Approach LOS	A		A		A	
d_I, Intersection Delay [s/veh]	3.78					
Intersection LOS	A					

Derby Avenue Charter School

Vistro File: H:\...\24921_DerbyAveSchool_20201006.vistro
Report File: H:\...\24921_Existing+Proj PM.pdf

Scenario 4 Existing + Project PM
10/6/2020

Intersection Analysis Summary

ID	Intersection Name	Control Type	Method	Worst Mvmt	V/C	Delay (s/veh)	LOS
1	E 12th Street and 29th Avenue	Signalized	HCM 6th Edition	WB Left	0.767	34.4	C
2	12th Street & Derby Avenue	Signalized	HCM 6th Edition	WB Left	0.334	7.4	A
3	Fruitvale Avenue & 12th Street	Signalized	HCM 6th Edition	EB Left	0.591	37.5	D
4	Fruitvale Avenue & 10th Street	Signalized	HCM 6th Edition	SB Left	0.687	29.4	C
5	29th Street & Project Driveway	Two-way stop	HCM 6th Edition	WB Right	0.147	11.1	B
6	Derby Avenue & 10th Street (Project Driveway)	Two-way stop	HCM 6th Edition	WB Thru	0.026	7.8	A

V/C, Delay, LOS: For two-way stop, these values are taken from the movement with the worst (highest) delay value. For all other control types, they are taken for the whole intersection.

Intersection Level Of Service Report
Intersection 1: E 12th Street and 29th Avenue

Control Type:	Signalized	Delay (sec / veh):	34.4
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.767

Intersection Setup

Name	29th Street			29th Street			E 12th Street			E 12th Street		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	0	0	0	1	1	0	1	1	0	1
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	140.00	100.00	125.00	225.00	100.00	75.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	29th Street			29th Street			E 12th Street			E 12th Street		
Base Volume Input [veh/h]	101	367	75	64	903	434	145	813	127	27	369	30
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	5.90	2.20	0.00	1.60	1.60	0.70	0.70	0.50	4.70	0.00	0.90	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	14	55	22	0	0	0	0	4	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	115	422	97	64	903	434	145	817	127	27	369	30
Peak Hour Factor	0.9400	0.9400	0.9400	0.9400	0.9400	0.9400	0.9400	0.9400	0.9400	0.9400	0.9400	0.9400
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	31	112	26	17	240	115	39	217	34	7	98	8
Total Analysis Volume [veh/h]	122	449	103	68	961	462	154	869	135	29	393	32
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing major stree	13			6			13			6		
v_di, Inbound Pedestrian Volume crossing major street [	13			6			13			6		
v_co, Outbound Pedestrian Volume crossing minor stree	4			7			7			4		
v_ci, Inbound Pedestrian Volume crossing minor street [	4			7			7			4		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	8			4			1			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	90
Coordination Type	Free Running
Actuation Type	Fully actuated
Offset [s]	0.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	12.00

Phasing & Timing

Control Type	Protect	Permis	Permis	Permis	Permis	Permis	Protect	Permis	Permis	Protect	Permis	Permis
Signal Group	3	8	0	0	4	4	1	6	0	5	2	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	-	-	-	Lead	-	-	Lead	-	-
Minimum Green [s]	5	5	0	0	5	5	5	5	0	5	5	0
Maximum Green [s]	25	30	0	0	30	30	25	30	0	25	30	0
Amber [s]	4.0	4.5	0.0	0.0	4.0	4.0	4.5	4.5	0.0	4.5	4.5	0.0
All red [s]	1.0	1.0	0.0	0.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	0.0
Split [s]	0	0	0	0	0	0	0	0	0	0	0	0
Vehicle Extension [s]	3.0	3.0	0.0	0.0	3.0	3.0	3.0	3.0	0.0	3.0	3.0	0.0
Walk [s]	0	7	0	0	7	7	0	7	0	0	7	0
Pedestrian Clearance [s]	0	26	0	0	23	23	0	10	0	0	10	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	0.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	0.0
I2, Clearance Lost Time [s]	3.0	3.5	0.0	0.0	3.0	3.0	3.5	3.5	0.0	3.5	3.5	0.0
Minimum Recall	No	No			No		No	Yes		No	Yes	
Maximum Recall	No	Yes			Yes		No	No		No	No	
Pedestrian Recall	No	No			No		No	No		No	No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	20.0	20.0	0.0	0.0	20.0	20.0	20.0	20.0	0.0	20.0	20.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	C	R	L	C	R	L	C	R
C, Cycle Length [s]	85	85	85	85	85	85	85	85	85	85	85
L, Total Lost Time per Cycle [s]	5.00	5.50	5.00	5.00	5.00	5.50	5.50	5.50	5.50	5.50	5.50
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	3.00	3.50	0.00	3.00	3.00	3.50	3.50	3.50	3.50	3.50	3.50
g_i, Effective Green Time [s]	8	42	30	30	30	9	24	24	3	17	17
g / C, Green / Cycle	0.09	0.49	0.35	0.35	0.35	0.11	0.28	0.28	0.03	0.20	0.20
(v / s)_i Volume / Saturation Flow Rate	0.07	0.31	0.26	0.33	0.29	0.09	0.24	0.09	0.02	0.11	0.02
s, saturation flow rate [veh/h]	1725	1800	1812	1707	1583	1800	3603	1493	1810	3592	1568
c, Capacity [veh/h]	157	889	640	598	555	196	1022	423	54	733	320
d1, Uniform Delay [s]	38.04	15.80	24.01	27.04	25.36	37.18	28.96	24.07	40.97	30.45	27.66
k, delay calibration	0.11	0.50	0.50	0.50	0.50	0.11	0.11	0.11	0.11	0.11	0.11
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	7.88	3.25	6.97	25.79	13.71	6.79	2.10	0.43	8.26	0.61	0.13
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.77	0.62	0.72	0.95	0.83	0.79	0.85	0.32	0.54	0.54	0.10
d, Delay for Lane Group [s/veh]	45.92	19.05	30.97	52.83	39.07	43.97	31.07	24.50	49.23	31.06	27.80
Lane Group LOS	D	B	C	D	D	D	C	C	D	C	C
Critical Lane Group	Yes	No	No	Yes	No	No	Yes	No	Yes	No	No
50th-Percentile Queue Length [veh/ln]	2.80	8.06	8.95	14.90	10.24	3.45	8.40	2.14	0.72	3.60	0.54
50th-Percentile Queue Length [ft/ln]	70.00	201.62	223.80	372.61	255.95	86.23	209.88	53.52	17.93	89.93	13.38
95th-Percentile Queue Length [veh/ln]	5.04	12.72	13.86	21.24	15.49	6.21	13.15	3.85	1.29	6.47	0.96
95th-Percentile Queue Length [ft/ln]	126.00	318.05	346.47	530.89	387.13	155.22	328.67	96.34	32.27	161.87	24.08

Movement, Approach, & Intersection Results

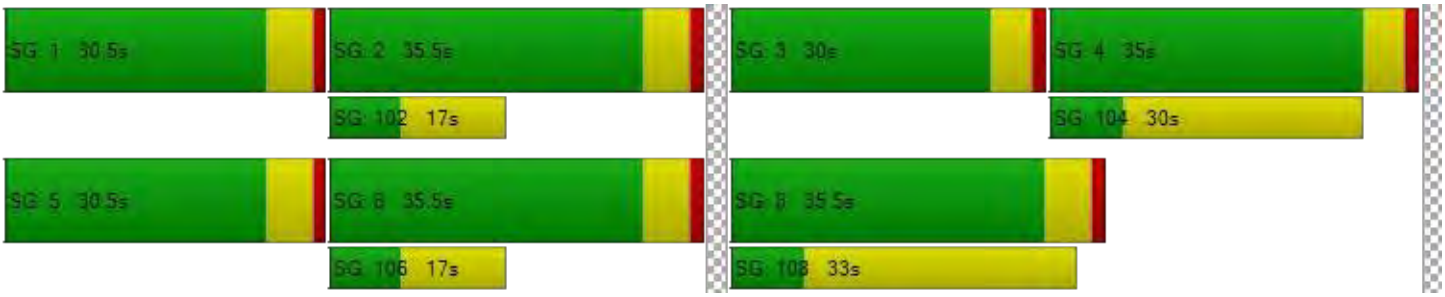
d_M, Delay for Movement [s/veh]	45.92	19.05	19.05	30.97	43.85	39.07	43.97	31.07	24.50	49.23	31.06	27.80
Movement LOS	D	B	B	C	D	D	D	C	C	D	C	C
d_A, Approach Delay [s/veh]	23.91			41.78			32.02			31.99		
Approach LOS	C			D			C			C		
d_I, Intersection Delay [s/veh]	34.42											
Intersection LOS	C											
Intersection V/C	0.767											

Other Modes

g_Walk,mi, Effective Walk Time [s]	11.0	11.0	11.0	11.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	34.67	34.67	34.67	34.67
I_p,int, Pedestrian LOS Score for Intersection	2.569	2.649	2.799	3.334
Crosswalk LOS	B	B	C	C
s_b, Saturation Flow Rate of the bicycle lane [bicycles/h]	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	667	667	667	667
d_b, Bicycle Delay [s]	20.08	20.04	20.01	20.00
I_b,int, Bicycle LOS Score for Intersection	2.672	2.790	2.515	1.934
Bicycle LOS	B	C	B	A

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	-	8	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 2: 12th Street & Derby Avenue

Control Type:	Signalized	Delay (sec / veh):	7.4
Analysis Method:	HCM 6th Edition	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.334

Intersection Setup

Name	Derby Avenue			Derby Avenue			E 12th Street			12th Street		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	0	0	0	0	0	0	1	1	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Derby Avenue			Derby Avenue			E 12th Street			12th Street		
Base Volume Input [veh/h]	17	1	4	10	6	12	19	737	196	8	397	7
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	5.90	0.00	0.00	0.00	0.00	0.00	0.00	6.20	5.60	0.00	3.10	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	4	0	0	22	4	3	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	17	1	4	10	10	12	19	759	200	11	397	7
Peak Hour Factor	0.8800	0.8800	0.8800	0.8800	0.8800	0.8800	0.8800	0.8800	0.8800	0.8800	0.8800	0.8800
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	5	0	1	3	3	3	5	216	57	3	113	2
Total Analysis Volume [veh/h]	19	1	5	11	11	14	22	863	227	13	451	8
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing major stree	2			6			1			5		
v_di, Inbound Pedestrian Volume crossing major street [	1			5			2			6		
v_co, Outbound Pedestrian Volume crossing minor stree	1			2			2			2		
v_ci, Inbound Pedestrian Volume crossing minor street [	2			2			2			1		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			4			8		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	130
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Fully actuated
Offset [s]	105.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	12.00

Phasing & Timing

Control Type	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Protect	Permis	Permis
Signal Group	0	4	0	0	8	0	0	2	0	1	6	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	Lead	-	-
Minimum Green [s]	0	4	0	0	5	0	0	5	0	5	5	0
Maximum Green [s]	0	50	0	0	50	0	0	50	0	15	50	0
Amber [s]	0.0	4.0	0.0	0.0	4.0	0.0	0.0	4.0	0.0	4.0	4.0	0.0
All red [s]	0.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
Split [s]	0	45	0	0	45	0	0	25	0	15	40	0
Vehicle Extension [s]	0.0	3.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0	3.0	3.0	0.0
Walk [s]	0	4	0	0	4	0	0	7	0	0	7	0
Pedestrian Clearance [s]	0	29	0	0	29	0	0	7	0	0	7	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	0.0	2.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0	2.0	2.0	0.0
I2, Clearance Lost Time [s]	0.0	3.0	0.0	0.0	3.0	0.0	0.0	2.0	0.0	3.0	2.0	0.0
Minimum Recall		No			No			Yes		No	Yes	
Maximum Recall		No			No			No		No	No	
Pedestrian Recall		No			No			Yes		No	Yes	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	20.0	0.0	0.0	20.0	0.0	0.0	20.0	0.0	20.0	20.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	C	C	C	C	R	L	C	C
C, Cycle Length [s]	130	130	130	130	130	130	130	130
L, Total Lost Time per Cycle [s]	5.00	5.00	4.00	4.00	4.00	5.00	4.00	4.00
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	3.00	3.00	2.00	2.00	2.00	3.00	2.00	2.00
g_i, Effective Green Time [s]	4	6	99	99	99	2	106	106
g / C, Green / Cycle	0.03	0.04	0.76	0.76	0.76	0.01	0.82	0.82
(v / s)_i Volume / Saturation Flow Rate	0.01	0.02	0.26	0.26	0.15	0.01	0.12	0.12
s, saturation flow rate [veh/h]	1770	1753	1750	1644	1507	1810	1853	1840
c, Capacity [veh/h]	56	79	1364	1254	1149	27	1512	1501
d1, Uniform Delay [s]	61.86	60.60	4.90	4.95	4.29	63.62	2.52	2.52
k, delay calibration	0.11	0.11	0.50	0.50	0.50	0.11	0.11	0.11
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	5.42	4.11	0.66	0.74	0.39	13.30	0.05	0.05
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.44	0.46	0.33	0.34	0.20	0.49	0.15	0.15
d, Delay for Lane Group [s/veh]	67.28	64.71	5.57	5.70	4.68	76.91	2.57	2.57
Lane Group LOS	E	E	A	A	A	E	A	A
Critical Lane Group	Yes	Yes	Yes	No	No	Yes	No	No
50th-Percentile Queue Length [veh/ln]	0.90	1.25	3.71	3.54	1.63	0.53	1.00	1.00
50th-Percentile Queue Length [ft/ln]	22.47	31.32	92.72	88.38	40.72	13.16	25.06	24.96
95th-Percentile Queue Length [veh/ln]	1.62	2.25	6.68	6.36	2.93	0.95	1.80	1.80
95th-Percentile Queue Length [ft/ln]	40.45	56.37	166.89	159.09	73.29	23.69	45.11	44.93

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	67.28	67.28	67.28	64.71	64.71	64.71	5.57	5.63	4.68	76.91	2.57	2.57
Movement LOS	E	E	E	E	E	E	A	A	A	E	A	A
d_A, Approach Delay [s/veh]	67.28			64.71			5.43			4.61		
Approach LOS	E			E			A			A		
d_I, Intersection Delay [s/veh]	7.44											
Intersection LOS	A											
Intersection V/C	0.334											

Other Modes

g_Walk,mi, Effective Walk Time [s]	11.0	11.0	8.0	8.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	54.47	54.47	57.25	57.25
I_p,int, Pedestrian LOS Score for Intersection	1.867	1.796	2.631	2.583
Crosswalk LOS	A	A	B	B
s_b, Saturation Flow Rate of the bicycle lane [bicycles/h]	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	615	615	323	554
d_b, Bicycle Delay [s]	31.15	31.15	45.79	34.12
I_b,int, Bicycle LOS Score for Intersection	1.601	1.619	2.477	1.949
Bicycle LOS	A	A	B	A

Sequence

Ring 1	1	2	4	8	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Intersection Level Of Service Report
Intersection 3: Fruitvale Avenue & 12th Street

Control Type:	Signalized	Delay (sec / veh):	37.5
Analysis Method:	HCM 6th Edition	Level Of Service:	D
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.591

Intersection Setup

Name	Fruitvale Avenue			Fruitvale Avenue			12th Street			12th Street		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	1	0	0	0	0	0	1	0	0	1	0	1
Entry Pocket Length [ft]	80.00	100.00	100.00	100.00	100.00	100.00	200.00	100.00	100.00	185.00	100.00	185.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	Yes			Yes			Yes			Yes		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Fruitvale Avenue			Fruitvale Avenue			12th Street			12th Street		
Base Volume Input [veh/h]	235	364	60	70	361	46	114	256	381	112	131	66
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	4.30	2.20	0.00	2.90	2.80	2.20	0.90	0.80	3.90	1.80	0.80	1.50
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	3	0	0	0	21	0	22	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	238	364	60	70	382	46	136	256	381	112	131	66
Peak Hour Factor	0.9600	0.9600	0.9600	0.9600	0.9600	0.9600	0.9600	0.9600	0.9600	0.9600	0.9600	0.9600
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	62	95	16	18	99	12	35	67	99	29	34	17
Total Analysis Volume [veh/h]	248	379	63	73	398	48	142	267	397	117	136	69
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing major stree	58			30			57			30		
v_di, Inbound Pedestrian Volume crossing major street [	57			30			58			30		
v_co, Outbound Pedestrian Volume crossing minor stree	18			40			40			18		
v_ci, Inbound Pedestrian Volume crossing minor street [	18			40			40			18		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	9			4			7			20		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	130
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Fully actuated
Offset [s]	119.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	12.00

Phasing & Timing

Control Type	Protect	Permis	Permis	Permis	Permis	Permis	Protect	Permis	Overla	Protect	Permis	Permis
Signal Group	1	6	0	0	2	0	3	8	8	7	4	0
Auxiliary Signal Groups									1,8			
Lead / Lag	Lead	-	-	-	-	-	Lead	-	-	Lead	-	-
Minimum Green [s]	5	5	0	0	5	0	5	5	5	5	5	0
Maximum Green [s]	30	30	0	0	30	0	30	30	30	30	30	0
Amber [s]	3.0	3.5	0.0	0.0	3.5	0.0	3.0	3.5	3.5	3.0	3.5	0.0
All red [s]	1.0	1.0	0.0	0.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0	0.0
Split [s]	44	84	0	0	40	0	16	30	30	16	30	0
Vehicle Extension [s]	2.0	3.0	0.0	0.0	2.0	0.0	3.0	2.0	2.0	2.0	3.0	0.0
Walk [s]	0	6	0	0	6	0	0	6	6	0	6	0
Pedestrian Clearance [s]	0	18	0	0	24	0	0	19	19	0	15	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	2.0	2.0	0.0	0.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0	0.0
I2, Clearance Lost Time [s]	2.0	2.5	0.0	0.0	2.5	0.0	2.0	2.5	2.5	2.0	2.5	0.0
Minimum Recall	No	No			No		No	No	No	No	No	
Maximum Recall	No	No			No		No	No	No	No	No	
Pedestrian Recall	No	No			No		No	No	No	No	No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	20.0	20.0	0.0	0.0	20.0	0.0	20.0	20.0	20.0	20.0	20.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	L	C	C	C	L	C	R	L	C	C
C, Cycle Length [s]	130	130	130	130	130	130	130	130	130	130
L, Total Lost Time per Cycle [s]	4.00	4.50	4.50	4.50	4.00	4.50	4.00	4.00	4.50	4.50
l1_p, Permitted Start-Up Lost Time [s]	0.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
l2, Clearance Lost Time [s]	2.00	2.50	2.50	2.50	2.00	2.50	0.00	2.00	2.50	2.50
g_i, Effective Green Time [s]	28	82	50	50	12	24	57	10	23	23
g / C, Green / Cycle	0.22	0.63	0.39	0.39	0.09	0.19	0.44	0.08	0.17	0.17
(v / s)_i Volume / Saturation Flow Rate	0.07	0.24	0.20	0.19	0.08	0.14	0.26	0.07	0.06	0.07
s, saturation flow rate [veh/h]	3395	1813	1065	1622	1797	1888	1554	1784	1888	1388
c, Capacity [veh/h]	732	1149	450	628	167	353	679	142	328	241
d1, Uniform Delay [s]	43.16	11.55	34.79	30.10	58.10	50.04	27.58	58.96	47.02	47.80
k, delay calibration	0.04	0.50	0.50	0.50	0.11	0.10	0.31	0.04	0.11	0.11
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	0.10	0.98	3.55	2.70	11.45	3.09	2.27	4.56	0.56	1.12
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.34	0.38	0.47	0.49	0.85	0.76	0.58	0.83	0.32	0.41
d, Delay for Lane Group [s/veh]	43.26	12.52	38.34	32.79	69.55	53.13	29.85	63.52	47.58	48.92
Lane Group LOS	D	B	D	C	E	D	C	E	D	D
Critical Lane Group	Yes	No	Yes	No	No	No	Yes	Yes	No	No
50th-Percentile Queue Length [veh/ln]	3.41	6.37	6.11	7.73	5.14	8.53	9.70	3.98	3.07	2.95
50th-Percentile Queue Length [ft/ln]	85.37	159.16	152.73	193.33	128.47	213.28	242.46	99.55	76.82	73.78
95th-Percentile Queue Length [veh/ln]	6.15	10.50	10.16	12.29	8.86	13.32	14.81	7.17	5.53	5.31
95th-Percentile Queue Length [ft/ln]	153.67	262.61	254.07	307.34	221.41	333.04	370.14	179.19	138.27	132.80

Movement, Approach, & Intersection Results

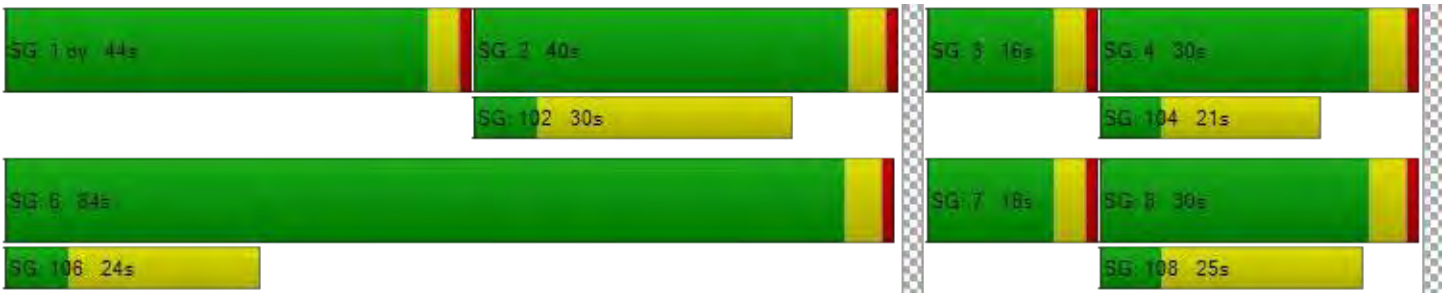
d_M, Delay for Movement [s/veh]	43.26	12.52	12.52	38.34	34.74	32.79	69.55	53.13	29.85	63.52	47.88	48.92
Movement LOS	D	B	B	D	C	C	E	D	C	E	D	D
d_A, Approach Delay [s/veh]	23.57			35.07			44.56			53.78		
Approach LOS	C			D			D			D		
d_I, Intersection Delay [s/veh]	37.53											
Intersection LOS	D											
Intersection V/C	0.591											

Other Modes

g_Walk,mi, Effective Walk Time [s]	10.0	10.0	10.0	10.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	55.38	55.38	55.38	55.38
I_p,int, Pedestrian LOS Score for Intersection	2.631	2.319	2.560	2.430
Crosswalk LOS	B	B	B	B
s_b, Saturation Flow Rate of the bicycle lane [bicycles/h]	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	1223	546	392	392
d_b, Bicycle Delay [s]	9.85	34.42	42.15	42.43
I_b,int, Bicycle LOS Score for Intersection	2.698	1.988	2.890	0.753
Bicycle LOS	B	A	C	A

Sequence

Ring 1	1	2	3	4	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	-	6	7	8	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Intersection Level Of Service Report
Intersection 4: Fruitvale Avenue & 10th Street

Control Type:	Signalized	Delay (sec / veh):	29.4
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.687

Intersection Setup

Name	Fruitvale Avenue			Fruitvale Avenue			10th Street			San Leandro Street		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	0	1	0	0	1	0	0	0	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	175.00	100.00	100.00	150.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Curb Present	No			No			No			No		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Fruitvale Avenue			Fruitvale Avenue			10th Street			San Leandro Street		
Base Volume Input [veh/h]	2	413	161	351	440	6	2	159	117	202	14	329
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	0.00	1.00	8.10	4.80	0.50	0.00	0.00	2.50	0.00	5.90	0.00	5.20
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	3	0	0	0	21	0	0	0	0	11	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Right Turn on Red Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	2	416	161	351	440	27	2	159	117	202	25	329
Peak Hour Factor	0.9600	0.9600	0.9600	0.9600	0.9600	0.9600	0.9600	0.9600	0.9600	0.9600	0.9600	0.9600
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	1	108	42	91	115	7	1	41	30	53	7	86
Total Analysis Volume [veh/h]	2	433	168	366	458	28	2	166	122	210	26	343
Presence of On-Street Parking	No		No	No		No	No		No	No		No
On-Street Parking Maneuver Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
Local Bus Stopping Rate [/h]	0	0	0	0	0	0	0	0	0	0	0	0
v_do, Outbound Pedestrian Volume crossing major stree	6			19			5			18		
v_di, Inbound Pedestrian Volume crossing major street [	5			18			6			19		
v_co, Outbound Pedestrian Volume crossing minor stree	24			27			27			25		
v_ci, Inbound Pedestrian Volume crossing minor street [	25			27			27			24		
v_ab, Corner Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	11			7			1			0		

Intersection Settings

Located in CBD	No
Signal Coordination Group	-
Cycle Length [s]	95
Coordination Type	Time of Day Pattern Coordinated
Actuation Type	Fully actuated
Offset [s]	73.0
Offset Reference	Lead Green - Beginning of First Green
Permissive Mode	SingleBand
Lost time [s]	9.00

Phasing & Timing

Control Type	Permis	Permis	Permis	Protect	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis
Signal Group	0	6	0	5	2	0	0	4	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	Lead	-	-	-	-	-	-	-	-
Minimum Green [s]	0	5	0	5	5	0	0	5	0	0	5	0
Maximum Green [s]	0	30	0	30	30	0	0	30	0	0	30	0
Amber [s]	0.0	3.5	0.0	3.0	3.5	0.0	0.0	3.5	0.0	0.0	3.5	0.0
All red [s]	0.0	1.0	0.0	1.0	1.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0
Split [s]	0	34	0	28	34	0	0	33	0	0	33	0
Vehicle Extension [s]	0.0	3.0	0.0	3.0	3.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0
Walk [s]	0	7	0	0	7	0	0	7	0	0	7	0
Pedestrian Clearance [s]	0	6	0	0	9	0	0	12	0	0	12	0
Delayed Vehicle Green [s]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest In Walk		No			No			No			No	
I1, Start-Up Lost Time [s]	0.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0
I2, Clearance Lost Time [s]	0.0	2.5	0.0	2.0	2.5	0.0	0.0	2.5	0.0	0.0	2.5	0.0
Minimum Recall		No		No	No			No			No	
Maximum Recall		No		No	No			No			No	
Pedestrian Recall		No		No	No			No			No	
Detector Location [ft]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector Length [ft]	0.0	20.0	0.0	20.0	20.0	0.0	0.0	20.0	0.0	0.0	20.0	0.0
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Exclusive Pedestrian Phase

Pedestrian Signal Group	0
Pedestrian Walk [s]	0
Pedestrian Clearance [s]	0

Lane Group Calculations

Lane Group	C	C	L	C	C	C	C	L	C
C, Cycle Length [s]	95	95	95	95	95	95	95	95	95
L, Total Lost Time per Cycle [s]	4.50	4.50	4.00	4.50	4.50	4.50	4.50	4.50	4.50
l1_p, Permitted Start-Up Lost Time [s]	2.00	0.00	0.00	0.00	0.00	2.00	0.00	2.00	0.00
l2, Clearance Lost Time [s]	2.50	2.50	2.00	2.50	2.50	2.50	2.50	2.50	2.50
g_i, Effective Green Time [s]	29	29	22	54	54	32	32	32	32
g / C, Green / Cycle	0.30	0.30	0.23	0.57	0.57	0.33	0.33	0.33	0.33
(v / s)_i Volume / Saturation Flow Rate	0.17	0.19	0.21	0.13	0.13	0.08	0.09	0.20	0.23
s, saturation flow rate [veh/h]	1883	1479	1741	1892	1836	1852	1428	1053	1632
c, Capacity [veh/h]	610	447	400	1086	1053	652	473	333	541
d1, Uniform Delay [s]	28.04	28.41	35.70	9.92	9.93	23.18	23.40	33.92	27.43
k, delay calibration	0.50	0.50	0.21	0.50	0.50	0.11	0.11	0.11	0.11
I, Upstream Filtering Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
d2, Incremental Delay [s]	3.41	6.19	14.51	0.48	0.51	0.19	0.32	1.98	1.52
d3, Initial Queue Delay [s]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rp, platoon ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PF, progression factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Lane Group Results

X, volume / capacity	0.54	0.61	0.92	0.23	0.23	0.24	0.28	0.63	0.68
d, Delay for Lane Group [s/veh]	31.44	34.60	50.21	10.40	10.44	23.37	23.72	35.90	28.95
Lane Group LOS	C	C	D	B	B	C	C	D	C
Critical Lane Group	No	Yes	Yes	No	No	No	No	No	Yes
50th-Percentile Queue Length [veh/ln]	6.77	6.00	9.70	2.51	2.47	2.57	2.20	4.66	7.26
50th-Percentile Queue Length [ft/ln]	169.26	149.99	242.42	62.71	61.68	64.17	54.99	116.44	181.48
95th-Percentile Queue Length [veh/ln]	11.04	10.02	14.80	4.52	4.44	4.62	3.96	8.20	11.68
95th-Percentile Queue Length [ft/ln]	275.95	250.41	370.10	112.88	111.02	115.51	98.99	204.93	291.94

Movement, Approach, & Intersection Results

d_M, Delay for Movement [s/veh]	31.44	32.22	34.60	50.21	10.42	10.44	23.37	23.40	23.72	35.90	28.95	28.95
Movement LOS	C	C	C	D	B	B	C	C	C	D	C	C
d_A, Approach Delay [s/veh]	32.88			27.51			23.53			31.47		
Approach LOS	C			C			C			C		
d_I, Intersection Delay [s/veh]	29.40											
Intersection LOS	C											
Intersection V/C	0.687											

Other Modes

g_Walk,mi, Effective Walk Time [s]	11.0	11.0	11.0	11.0
M_corner, Corner Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
M_CW, Crosswalk Circulation Area [ft²/ped]	0.00	0.00	0.00	0.00
d_p, Pedestrian Delay [s]	37.14	37.14	37.14	37.14
I_p,int, Pedestrian LOS Score for Intersection	2.772	2.623	2.058	2.445
Crosswalk LOS	C	B	B	B
s_b, Saturation Flow Rate of the bicycle lane [bicycles/h]	2000	2000	2000	2000
c_b, Capacity of the bicycle lane [bicycles/h]	621	621	600	600
d_b, Bicycle Delay [s]	22.71	22.66	23.29	23.28
I_b,int, Bicycle LOS Score for Intersection	0.985	2.263	1.799	2.515
Bicycle LOS	A	B	A	B

Sequence

Ring 1	-	2	-	4	-	-	-	-	-	-	-	-	-	-	-	-
Ring 2	5	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Intersection Level Of Service Report
Intersection 5: 29th Street & Project Driveway

Control Type:	Two-way stop	Delay (sec / veh):	11.1
Analysis Method:	HCM 6th Edition	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.147

Intersection Setup

Name	29th Street		29th Street		Project Driveway	
Approach	Northbound		Southbound		Westbound	
Lane Configuration						
Turning Movement	Thru	Right	Left	Thru	Left	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	0	0	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00		30.00		30.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	No		No		Yes	

Volumes

Name	29th Street		29th Street		Project Driveway	
Base Volume Input [veh/h]	543	0	0	1057	0	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.60	0.00	2.00	1.90	0.00	0.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	90
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	543	0	0	1057	0	90
Peak Hour Factor	0.8800	0.8800	1.0000	0.8800	0.8800	0.8800
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	154	0	0	300	0	26
Total Analysis Volume [veh/h]	617	0	0	1201	0	102
Pedestrian Volume [ped/h]	0		0		0	

Intersection Settings

Priority Scheme	Free	Free	Stop
Flared Lane			No
Storage Area [veh]	0	0	0
Two-Stage Gap Acceptance			No
Number of Storage Spaces in Median	0	0	0

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.01	0.00	0.00	0.01	0.00	0.15
d_M, Delay for Movement [s/veh]	0.00	0.00	0.00	0.00	26.35	11.09
Movement LOS	A	A		A	D	B
95th-Percentile Queue Length [veh/ln]	0.00	0.00	0.00	0.00	0.51	0.51
95th-Percentile Queue Length [ft/ln]	0.00	0.00	0.00	0.00	12.85	12.85
d_A, Approach Delay [s/veh]	0.00		0.00		11.09	
Approach LOS	A		A		B	
d_I, Intersection Delay [s/veh]	0.59					
Intersection LOS	B					

Intersection Level Of Service Report
Intersection 6: Derby Avenue & 10th Street (Project Driveway)

Control Type:	Two-way stop	Delay (sec / veh):	7.8
Analysis Method:	HCM 6th Edition	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.026

Intersection Setup

Name	Derby Avenue		Project Driveway		10th Street	
Approach	Southbound		Eastbound		Westbound	
Lane Configuration						
Turning Movement	Left	Right	Left	Thru	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Entry Pocket	0	0	0	0	0	0
Entry Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00
No. of Lanes in Exit Pocket	0	0	0	0	0	0
Exit Pocket Length [ft]	0.00	0.00	0.00	0.00	0.00	0.00
Speed [mph]	30.00		30.00		30.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	Yes		Yes		Yes	

Volumes

Name	Derby Avenue		Project Driveway		10th Street	
Base Volume Input [veh/h]	210	0	0	0	0	22
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	10	0	0	32	0
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	210	10	0	0	32	22
Peak Hour Factor	0.9200	0.9200	0.9200	0.9200	0.9200	0.9200
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	57	3	0	0	9	6
Total Analysis Volume [veh/h]	228	11	0	0	35	24
Pedestrian Volume [ped/h]	0		0		0	

Intersection Settings

Priority Scheme	Free	Stop	Free
Flared Lane			
Storage Area [veh]	0	0	0
Two-Stage Gap Acceptance		No	
Number of Storage Spaces in Median	0	0	0

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.00	0.00	0.00	0.00	0.03	0.00
d_M, Delay for Movement [s/veh]	0.00	0.00	10.17	10.40	7.77	0.00
Movement LOS	A	A	B	B	A	A
95th-Percentile Queue Length [veh/ln]	0.00	0.00	0.00	0.00	0.14	0.14
95th-Percentile Queue Length [ft/ln]	0.00	0.00	0.00	0.00	3.47	3.47
d_A, Approach Delay [s/veh]	0.00		10.28		4.61	
Approach LOS	A		B		A	
d_I, Intersection Delay [s/veh]	0.91					
Intersection LOS	A					

KITTELSON & ASSOCIATES
155 GRAND AVENUE, SUITE 900
OAKLAND, CA 94612
P 510.839.1742 F 510.839.0871

Appendix D: SWITRS Collision Records

CASE_ID	ACCIDENT_YEAR	PROC_DATE	JURIS	COLLISION_DATE	COLLISION_TIME	OFFICER_ID	REPORTING_DISTRICT	DAY_OF_WEEK	CHP_SHIFT	POPULATION	CNTY_CITY_LOC	SPECIAL_COND	BEAT_TYPE	CHP_BEAT_TYPE	CITY_DIVISION_LAPD	CHP_BEAT_CLASS	BEAT_NUMBER
7138576	2015	20151224	109	20150228	1730	9199	1	6	5	7	109	0	0	0		0	20X
7021944	2015	20151006	109	20150402	1637	8765	2	4	5	7	109	0	0	0		0	23X
7066515	2015	20150922	109	20150422	2132	9249	2	3	5	7	109	0	0	0		0	23X
7054000	2015	20150921	109	20150606	241	9231	1	6	5	7	109	0	0	0		0	20X
7093880	2015	20151228	109	20150725	40	9377	2	6	5	7	109	0	0	0		0	23X
7100541	2015	20151130	109	20150728	1311	9255	2	2	5	7	109	0	0	0		0	20X
7103796	2015	20160108	109	20150811	1439	9192	1	2	5	7	109	0	0	0		0	20X
8027733	2015	20160426	109	20150902	116	8305	2	3	5	7	109	0	0	0		0	23X
7103996	2015	20160127	109	20151012	1349	9278	1	1	5	7	109	0	0	0		0	20X
7210346	2015	20160328	109	20151109	1331	9486	1	1	5	7	109	0	0	0		0	18X
8026245	2015	20160428	109	20151125	754	9227	1	3	5	7	109	0	0	0		0	20X
8021615	2016	20160414	109	20160101	1945	9249	2	5	5	7	109	0	0	0		0	23X
7198908	2016	20160315	109	20160203	1236	9478	2	3	5	7	109	0	0	0		0	23X
7208489	2016	20160324	109	20160214	1522	9350	1	7	5	7	109	0	0	0		0	20X
8011768	2016	20160411	109	20160226	1741	7715	2	5	5	7	109	0	0	0		0	20X
8107553	2016	20160822	109	20160519	824	8610	2	4	5	7	109	0	0	0		0	23X
8097351	2016	20160812	109	20160526	2243	9235	2	4	5	7	109	0	0	0		0	23X
8115654	2016	20161103	109	20160529	2101	9478	1	7	5	7	109	0	0	0		0	20X
8088768	2016	20160909	109	20160803	904	7715	1	3	5	7	109	0	0	0		0	20X
8145049	2016	20161018	109	20160818	910	8137	1	4	5	7	109	0	0	0		0	19X
8150225	2016	20161021	109	20161005	1436	8610	1	3	5	7	109	0	0	0		0	20X
8201835	2016	20170104	109	20161025	1515	8823	1	2	5	7	109	0	0	0		0	20X
8191895	2016	20161229	109	20161130	1914	8765	2	3	5	7	109	0	0	0		0	23X
8191539	2016	20161221	109	20161202	1525	8823	1	5	5	7	109	0	0	0		0	20X
8298206	2016	20170223	109	20161211	720	9614	1	7	5	7	109	0	0	0		0	20X
8329990	2016	20170330	109	20161211	540	9585	1	7	5	7	109	0	0	0		0	20X
8287176	2016	20170124	109	20161216	710	9363	2	5	5	7	109	0	0	0		0	23X
8301560	2016	20170210	109	20161224	1652	9547	1	6	5	7	109	0	0	0		0	20X
8281564	2017	20170124	109	20170109	2000	9478	1	1	5	7	109	0	0	0		0	20X
8306821	2017	20170227	109	20170109	1823	9233	2	1	5	7	109	0	0	0		0	23X
8377643	2017	20170829	109	20170123	1650	9454	1	1	5	7	109	0	0	0		0	20X
8405103	2017	20170714	109	20170321	900	9353	1	2	5	7	109	0	0	0		0	20X
8402084	2017	20170714	109	20170406	1648	9670	1	4	5	7	109	0	0	0		0	20X
8441964	2017	20170907	109	20170515	1111	9585	1	1	5	7	109	0	0	0		0	20X
8426355	2017	20170822	109	20170525	1643	9655	2	4	5	7	109	0	0	0		0	23X
8499030	2017	20171127	109	20170620	631	9329	1	2	5	7	109	0	0	0		0	20X
8415060	2017	20180308	109	20170706	1526	9666	1	4	5	7	109	0	0	0		0	20X
8534968	2017	20180119	109	20170817	1349	9582	2	4	5	7	109	0	0	0		0	23
8565874	2017	20180302	109	20171004	1134	9630	1	3	5	7	109	0	0	0		0	20X
8577269	2017	20180326	109	20171021	2033	9529	2	6	5	7	109	0	0	0		0	23X
8578450	2017	20180323	109	20171111	907	9487	2	6	5	7	109	0	0	0		0	23X
8579079	2017	20180402	109	20171119	1255	9618	2	7	5	7	109	0	0	0		0	23X
8576230	2017	20180320	109	20171214	1510	9666	1	4	5	7	109	0	0	0		0	20
8581751	2018	20180329	109	20180211	1626	9233	2	7	5	7	109	0	0	0		0	23X
8582340	2018	20180405	109	20180212	2100	9644	2	1	5	7	109	0	0	0		0	23X
8597497	2018	20180510	109	20180215	1547	9235	2	4	5	7	109	0	0	0		0	23X
8654208	2018	20180724	109	20180514	1715	9233	2	1	5	7	109	0	0	0		0	23X
8652860	2018	20180724	109	20180515	4	9598	1	2	5	7	109	0	0	0		0	20X
8720674	2018	20181024	109	20180723	1734	9233	2	1	5	7	109	0	0	0		0	20X
8816613	2018	20190308	109	20180802	909	8137	1	4	5	7	109	0	0	0		0	19X
8732896	2018	20181128	109	20180818	330	9615	1	6	5	7	109	0	0	0		0	20X
8721070	2018	20181024	109	20180824	2231	9498	1	5	5	7	109	0	0	0		0	20X
8743145	2018	20181128	109	20180917	2315	9526	1	1	5	7	109	0	0	0		0	20X
8742775	2018	20181205	109	20180919	954	9400	1	3	5	7	109	0	0	0		0	23X
8748464	2018	20190118	109	20181005	931	9547	1	5	5	7	109	0	0	0		0	20X
8770505	2018	20190117	109	20181103	1820	9350	2	6	5	7	109	0	0	0		0	23X
8794917	2018	20190207	109	20181228	2054	8444	1	5	5	7	109	0	0	0		0	20X
8812299	2019	20190228	109	20190111	1205	8557	1	5	5	7	109	0	0	0		0	20X
8817236	2019	20190318	109	20190111	1528	9742	1	5	5	7	109	0	0	0		0	20X
8791375	2019	20190319	109	20190121	520	9501	1	1	5	7	109	0	0	0		0	20X
8836051	2019	20190424	109	20190212	913	9165	2	2	5	7	109	0	0	0		0	23X
8848441	2019	20190429	109	20190305	1230	9353	1	2	5	7	109	0	0	0		0	20X
8920883	2019	20190826	109	20190519	1340	9353	1	7	5	7	109	0	0	0		0	20X
8950029	2019	20191010	109	20190620	1823	9547	1	4	5	7	109	0	0	0		0	20X
8971998	2019	20191112	109	20190719	1616	9689	1	5	5	7	109	0	0	0		0	20X
9009265	2019	20200117	109	20190731	702	9832	1	3	5	7	109	0	0	0		0	20X
8971009	2019	20191112	109	20190814	15	9551	1	3	5	7	109	0	0	0		0	20X
8980936	2019	20191202	109	20190901	1012	9831	1	7	5	7	109	0	0	0		0	20X
9045376	2019	20200213	109	20190910	1833	9689	1	2	5	7	109	0	0	0		0	20X
8993342	2019	20191212	109	20190912	601	8742	1	4	5	7	109	0	0	0		0	20X
8996562	2019	20191230	109	20191102	1124	9374	1	6	5	7	109	0	0	0		0	20X
9009814	2019	20200116	109	20191105	815	9353	1	2	5	7	109	0	0	0		0	20X
9009826	2019	20200116	109	20191108	1410	9466	2	5	5	7	109	0	0	0		0	23X

CASE_ID	PRIMARY_RD	SECONDARY_RD	DISTANCE	DIRECTION	INTERSECTION	WEATHER_1	WEATHER_2	STATE_HWY_IND	SIDE_OF_HWY	TOW_AWAY	COLLISION_SEVERITY	NUMBER_KILLED	NUMBER_INJURED	PARTY_COUNT	PRIMARY_COLL_FACTOR	PCF_CODE_OF_VIOL
7138576	E 12TH ST	29TH AV	0		Y	B	-	N		N	4	0	1	2	A	-
7021944	E 12TH ST	FRUITVALE AV	0		Y	A	-	N		Y	0	0	0	3	A	-
7066515	E 10TH ST	FRUITVALE AV	0		Y	A	-	N		N	4	0	1	2	A	-
7054000	FRUITVALE AV	E 12TH ST	0		Y	A	-	N		Y	4	0	3	2	A	-
7093880	SAN LEANDRO ST	FRUITVALE AV	14	E	N	A	-	N		N	0	0	0	2	A	-
7100541	E 12TH ST	DERBY AV	0		Y	A	-	N		N	0	0	0	2	A	-
7103796	E 12TH ST	FRUITVALE AV	0		Y	A	-	N		N	0	0	0	2	D	-
8027733	FRUITVALE AV	SAN LEANDRO ST	50	N	N	A	-	N		N	3	0	1	1	A	-
7103996	E 12TH ST	FRUITVALE AV	51	W	N	A	-	N		N	0	0	0	2	A	-
7210346	E 12TH ST	29TH AV	0		Y	C	-	N		N	0	0	0	1	A	-
8026245	FRUITVALE AV	EAST 12TH ST	0		Y	A	-	N		N	0	0	0	2	A	-
8021615	FRUITVALE AV	E 12TH ST	20	N	N	A	-	N		N	0	0	0	2	A	-
7198908	FRUITVALE AV	E 12TH ST	0		Y	A	-	N		N	0	0	0	2	A	-
7208489	29TH AV	E 12TH ST	200	S	N	A	-	N		N	0	0	0	2	A	-
8011768	E 12TH ST	DERBY AV	0		Y	B	-	N		N	0	0	0	2	A	-
8107553	FRUITVALE AV	E 12TH ST	0		Y	A	-	N		Y	4	0	1	2	A	-
8097351	FRUITVALE AV	E 12TH ST	0		Y	A	-	N		Y	4	0	2	2	A	-
8115654	E 12TH ST	DERBY AV	0		Y	A	-	N		N	4	0	1	2	A	-
8088768	FRUITVALE AV	SAN LEANDRO ST	0		Y	A	-	N		N	0	0	0	2	A	-
8145049	E 12TH ST	FRUITVALE AV	0		Y	A	-	N		Y	0	0	0	1	A	-
8150225	FRUITVALE AV	E 12TH ST	0		Y	A	-	N		Y	0	0	0	2	D	-
8201835	E 12TH ST	FRUITVALE AV	0		Y	B	-	N		N	4	0	1	3	A	-
8191895	FRUITVALE AV	E 12TH ST	100	S	N	A	-	N		N	0	0	0	2	A	-
8191539	FRUITVALE AV	E 12TH ST	0		Y	A	-	N		N	0	0	0	2	A	-
8298206	29TH AV	12TH ST	5	N	N	A	-	N		N	0	0	0	2	A	-
8329990	29TH AV	E 12TH ST	0		Y	C	-	N		N	4	0	2	2	D	-
8287176	FRUITVALE AV	EAST 12TH ST	15	N	N	A	-	N		N	0	0	0	4	A	-
8301560	FRUITVALE AV	SAN LEANDRO	5	S	N	A	-	N		N	0	0	0	2	A	-
8281564	E 12TH ST	29TH AV	0		Y	C	-	N		Y	4	0	1	2	A	-
8306821	29TH AV	E 12TH ST	20	S	N	C	-	N		N	0	0	0	2	A	-
8377643	E 12TH ST	FRUITVALE AV	0		Y	A	-	N		N	0	0	0	2	A	-
8405103	E 12TH ST	29TH AV	40	E	N	C	-	N		N	0	0	0	2	A	-
8402084	29TH AV	E 12TH ST	0		Y	B	-	N		N	4	0	1	2	A	-
8441964	E 12TH ST	29TH AV	0		Y	A	-	N		N	0	0	0	3	A	-
8426355	E 12TH ST	FRUITVALE AV	0		Y	A	-	N		N	4	0	1	2	A	-
8499030	FRUITVALE AV	E 12TH ST	0		Y	A	-	N		N	4	0	1	2	A	-
8415060	SAN LEANDRO	FRUITVALE AV	60	E	N	A	-	N		N	0	0	0	2	A	-
8534968	SAN LEANDRO ST	FRUITVALE AV	10	E	N	A	-	N		N	0	0	0	2	A	-
8565874	EAST 12TH ST	DERBY ST	0		Y	A	-	N		N	0	0	0	2	A	-
8577269	SAN LEANDRO ST	FRUITVALE AV	0		Y	A	-	N		N	0	0	0	2	A	-
8578450	FRUITVALE AV	E 10TH ST	75	N	N	A	-	N		N	0	0	0	3	A	-
8579079	SAN LEANDRO ST	FRUITVALE AV	2	E	N	A	-	N		N	0	0	0	2	A	-
8576230	E 12TH ST	29TH AV	0		Y	A	-	N		N	4	0	1	2	A	-
8581751	FRUITVALE AV	E 10TH ST	10	N	N	A	-	N		N	4	0	1	2	A	-
8582340	FRUITVALE AV	12TH ST	15	N	N	A	-	N		N	0	0	0	2	A	-
8597497	FRUITVALE AV	SAN LEANDRO ST	60	N	N	A	-	N		N	0	0	0	2	A	-
8654208	SAN LEANDRO ST	FRUITVALE AV	50	E	N	A	-	N		N	0	0	0	3	A	-
8652860	E 12TH ST	FRUITVALE AV	5	E	N	A	-	N		N	0	0	0	1	A	-
8720674	FRUITVALE AV	E 10TH ST	25	N	N	A	-	N		N	0	0	0	3	A	-
8816613	29TH AV	E 12TH ST	230	S	N	A	-	N		Y	4	0	2	1	A	-
8732896	DERBY AV	E 12TH ST	5	S	N	A	-	N		N	0	0	0	1	A	-
8721070	FRUITVALE AV	12TH ST	0		Y	A	-	N		N	0	0	0	2	A	-
8743145	FRUITVALE AV	E 10TH ST	0		Y	A	-	N		N	0	0	0	2	A	-
8742775	FRUITVALE BL	SAN LEANDRO BL	20	N	N	A	-	N		N	0	0	0	2	A	-
8748464	E 12TH ST	29TH AV	0		Y	A	-	N		N	0	0	0	2	A	-
8770505	FRUITVALE AV	E 12TH ST	0		Y	A	-	N		N	4	0	1	2	A	-
8794917	29TH AV	E 12TH ST	0		Y	A	-	N		N	0	0	0	2	A	-
8812299	FRUITVALE AV	12TH ST	0		Y	A	-	N		N	4	0	1	2	A	-
8817236	E 12TH ST	DERBY AV	0		Y	C	-	N		N	4	0	1	2	A	-
8791375	E 12TH ST	29TH AV	180	E	N	B	-	N		N	0	0	0	2	A	-
8836051	FRUITVALE AV	E 12TH ST	100	S	N	B	-	N		N	0	0	0	2	A	-
8848441	29TH AV	E 12TH ST	50	E	N	A	-	N		N	4	0	1	3	A	-
8920883	DERBY ST	E 12TH ST	0		Y	B	-	N		N	4	0	3	2	A	-
8950029	E 12TH ST	DERBY AV	0		Y	A	-	N		N	4	0	1	3	A	-
8971998	29TH AV	E 12TH ST	20	S	N	A	-	N		N	0	0	0	2	A	-
9009265	E 12TH ST	29TH AV	30	W	N	A	-	N		N	0	0	0	3	A	-
8971009	E 12TH ST	FRUITVALE AV	15	W	N	A	-	N		Y	4	0	1	2	A	-
8980936	12TH ST	29TH AV	0		Y	A	-	N		N	4	0	1	2	A	-
9045376	E 12TH ST	DERBY AV	0		Y	A	-	N		N	4	0	2	2	A	-
8993342	29TH AV	E 12TH ST	0		Y	A	-	N		N	4	0	2	2	A	-
8996562	12TH ST	DERBY AV	0		Y	A	-	N		N	0	0	0	2	A	-
9009814	DERBY AV	E 12TH ST	0		Y	A	-	N		N	4	0	1	2	A	-
9009826	SAN LEANDRO ST	FRUITVALE AV	10	E	N	A	-	N		N	4	0	1	2	A	-

CASE_ID	PCF_VIOL_CATEGORY	PCF_VIOLATION	PCF_VIOL_SUBSECTION	HIT_AND_RUN	TYPE_OF_COLLISION	MVIW	PED_ACTION	ROAD_SURFACE	ROAD_COND_1	ROAD_COND_2	LIGHTING	CONTROL_DEVICE	CHP_ROAD_TYPE	PEDESTRIAN_ACCIDENT	BICYCLE_ACCIDENT
7138576	9	21801	A	N	D	G	A	A	H	-	B	A	0		Y
7021944	12	21453	A	N	D	C	A	A	H	-	A	A	0		
7066515	1	23152	A	N	H	G	A	A	H	-	C	A	0		Y
7054000	1	23152		N	C	C	A	A	H	-	C	A	0		
7093880	3	22350		M	C	C	A	A	H	-	C	A	0		
7100541	9	21801	A	N	D	C	A	A	H	-	A	D	0		
7103796	0			N	B	C	A	A	H	-	A	A	0		
8027733	8	22107		N	F	A	A	A	C	-	C	A	0		
7103996	3	22350		N	C	C	A	A	H	-	A	A	0		
7210346	3	22350		N	E	I	A	B	H	-	A	A	0		
8026245	7	21658	A	N	B	C	A	A	H	-	A	A	0		
8021615	8	22107		M	B	E	A	A	H	-	C	D	0		
7198908	8	22107		N	B	C	A	A	C	-	A	A	0		
7208489	4	21703		N	C	C	-	A	H	-	A	D	0	Y	
8011768	3	22350		N	C	C	A	A	A	D	B	A	0		
8107553	9	21801	A	N	D	C	A	A	H	-	A	A	0		
8097351	12	21453	A	N	D	C	A	A	H	-	C	A	0		
8115654	12	21453	A	N	C	C	A	A	H	-	C	A	0		
8088768	8	22107		N	B	C	A	A	E	-	A	A	0		
8145049	3	22350		N	F	A	A	A	H	-	A	D	0		
8150225	0			N	D	C	A	A	H	-	A	A	0		
8201835	17	21461	A	N	D	C	A	A	H	-	A	A	0		
8191895	1	23152		M	B	C	A	A	H	-	C	A	0		
8191539	17	21461	A	N	B	C	A	A	H	-	A	A	0		
8298206	21	22106		N	D	C	A	B	H	-	A	A	0		
8329990	0			N	D	D	A	B	H	-	B	A	0		
8287176	3	22350		M	C	C	A	A	H	-	A	A	0		
8301560	8	22107		M	D	C	A	A	H	-	A	A	0		
8281564	12	21453	A	N	D	C	A	B	H	-	C	A	0		
8306821	17	21461	A	N	B	C	A	B	H	-	C	A	0		
8377643	17	21461	A	N	A	C	A	A	H	-	A	A	0		
8405103	3	22350		N	C	C	A	B	H	-	A	D	0		
8402084	17	21461	A	N	D	C	A	A	H	-	A	A	0		
8441964	0	21453		M	D	C	A	A	H	-	A	A	0		
8426355	9	21801	A	N	A	C	A	A	H	-	A	A	0		
8499030	12	21453	A	N	D	G	A	A	H	-	A	A	0		Y
8415060	21	22106		N	C	C	A	A	H	-	A	A	0		
8534968	3	22350		N	C	C	A	A	H	-	A	A	0		
8565874	12	21453	A	N	D	C	A	A	H	-	A	A	0		
8577269	12	21453	A	M	D	G	A	A	H	-	C	A	0		Y
8578450	3	22350		N	C	C	A	A	H	-	A	D	0		
8579079	3	22350		M	C	C	A	A	H	-	A	A	0		
8576230	4	21703		N	C	C	A	A	H	-	A	A	0		
8581751	8	22107		N	C	C	A	A	H	-	A	A	0		
8582340	9	21804	A	M	B	-	A	A	H	-	C	D	0		
8597497	3	22350		N	C	C	A	A	H	-	A	A	0		
8654208	3	22350		M	C	C	A	A	H	-	A	A	0		
8652860	1	23152	A	N	E	I	A	A	H	-	C	A	0		
8720674	8	22107		N	D	C	A	A	H	-	A	A	0		
8816613	8	22107		N	E	I	A	A	H	-	A	D	0		
8732896	8	22107		M	B	I	A	A	H	-	D	A	0		
8721070	12	21453	A	M	D	C	A	A	H	-	C	A	0		
8743145	8	22107		M	B	C	A	A	H	-	C	D	0		
8742775	8	22107		N	B	C	A	A	D	-	A	D	0		
8748464	12	21453	A	N	D	C	A	A	H	-	A	A	0		
8770505	8	22107		M	H	C	A	A	H	-	A	A	0		
8794917	9	21801	A	N	D	C	A	A	H	-	C	A	0		
8812299	8	22107		N	A	C	A	A	H	-	A	A	0		
8817236	12	21453	A	N	D	C	A	B	H	-	A	A	0		
8791375	8	22107		M	H	E	A	A	H	-	C	D	0		
8836051	8	22107		N	C	C	A	A	H	-	A	A	0		
8848441	12	22451	A	N	D	F	A	A	H	-	A	A	0		
8920883	12	21453	A	N	D	C	A	B	H	-	A	A	0		
8950029	12	21453	A	N	D	C	A	A	H	-	A	A	0		
8971998	8	22107		M	A	C	A	A	H	-	A	A	0		
9009265	8	22107		M	C	E	A	A	H	-	A	D	0		
8971009	1	23152	A	M	E	I	A	A	H	-	C	A	0		
8980936	9	21801	A	N	D	C	A	A	H	-	A	A	0		
9045376	9	21801	A	N	D	C	A	A	H	-	A	A	0		
8993342	12	21453	A	N	D	C	A	A	H	-	A	A	0		
8996562	12	21453	A	M	B	C	A	A	H	-	A	A	0		
9009814	12	21453	A	M	D	C	A	A	H	-	A	A	0		
9009826	3	22350		N	C	-	A	A	H	-	A	A	0		

CASE_ID	MOTORCYCLE_ACCIDENT	TRUCK_ACCIDENT	NOT_PRIVATE_PROPERTY	ALCOHOL_INVOLVED	STWD_VEHTYPE_AT_FAULT	CHP_VEHTYPE_AT_FAULT	COUNT_SEVERE_INJ	COUNT_VISIBLE_INJ	COUNT_COMPLAINT_PAIN	COUNT_PED_KILLED	COUNT_PED_INJURED
7138576			Y		A	1	0	0	1	0	0
7021944			Y		-	-	0	0	0	0	0
7066515			Y	Y	A	1	0	0	1	0	0
7054000			Y	Y	A	1	0	0	3	0	0
7093880			Y		A	1	0	0	0	0	0
7100541			Y		A	1	0	0	0	0	0
7103796		Y	Y		-	-	0	0	0	0	0
8027733	Y		Y		C	2	0	1	0	0	0
7103996			Y		A	1	0	0	0	0	0
7210346		Y	Y		F	55	0	0	0	0	0
8026245			Y		-	-	0	0	0	0	0
8021615			Y		A	1	0	0	0	0	0
7198908			Y		A	1	0	0	0	0	0
7208489			Y		N	60	0	0	0	0	0
8011768			Y		A	1	0	0	0	0	0
8107553			Y		A	1	0	0	1	0	0
8097351			Y		A	1	0	0	2	0	0
8115654			Y		-	-	0	0	1	0	0
8088768			Y		J	48	0	0	0	0	0
8145049		Y	Y		F	25	0	0	0	0	0
8150225			Y		-	-	0	0	0	0	0
8201835			Y		A	8	0	0	1	0	0
8191895			Y	Y	A	1	0	0	0	0	0
8191539			Y		D	22	0	0	0	0	0
8298206		Y	Y		F	55	0	0	0	0	0
8329990			Y		-	-	0	0	2	0	0
8287176			Y		A	1	0	0	0	0	0
8301560			Y		A	1	0	0	0	0	0
8281564			Y		-	-	0	0	1	0	0
8306821			Y		A	1	0	0	0	0	0
8377643			Y		A	1	0	0	0	0	0
8405103			Y		A	1	0	0	0	0	0
8402084			Y		A	1	0	0	1	0	0
8441964		Y	Y		A	1	0	0	0	0	0
8426355			Y		A	1	0	0	1	0	0
8499030			Y		L	4	0	0	1	0	0
8415060			Y		D	22	0	0	0	0	0
8534968			Y		A	1	0	0	0	0	0
8565874			Y		A	8	0	0	0	0	0
8577269			Y		A	1	0	0	0	0	0
8578450			Y		A	1	0	0	0	0	0
8579079			Y		A	1	0	0	0	0	0
8576230			Y		A	1	0	0	1	0	0
8581751			Y		A	1	0	0	1	0	0
8582340			Y		A	1	0	0	0	0	0
8597497			Y		A	1	0	0	0	0	0
8654208			Y		A	1	0	0	0	0	0
8652860			Y	Y	A	1	0	0	0	0	0
8720674			Y		A	1	0	0	0	0	0
8816613			Y		A	7	0	0	2	0	0
8732896			Y		A	1	0	0	0	0	0
8721070			Y		-		0	0	0	0	0
8743145			Y		-	99	0	0	0	0	0
8742775		Y	Y		A	1	0	0	0	0	0
8748464			Y		-	-	0	0	0	0	0
8770505	Y		Y		D	22	0	0	1	0	0
8794917			Y		A	1	0	0	0	0	0
8812299			Y		-	-	0	0	1	0	0
8817236		Y	Y		A	1	0	0	1	0	0
8791375			Y		-	99	0	0	0	0	0
8836051	Y		Y		-	-	0	0	0	0	0
8848441			Y		A	1	0	0	1	0	0
8920883			Y		A	1	0	0	3	0	0
8950029			Y		A	1	0	0	1	0	0
8971998			Y		A	1	0	0	0	0	0
9009265			Y		-	99	0	0	0	0	0
8971009			Y	Y	A	1	0	0	1	0	0
8980936			Y		A	1	0	0	1	0	0
9045376			Y		A	1	0	0	2	0	0
8993342			Y		A	1	0	0	2	0	0
8996562			Y		A	1	0	0	0	0	0
9009814			Y		A	1	0	0	1	0	0
9009826			Y		A	1	0	0	1	0	0

CASE_ID	COUNT_BICYCLIST_KILLED	COUNT_BICYCLIST_INJURED	COUNT_MC_KILLED	COUNT_MC_INJURED
7138576	0	1	0	0
7021944	0	0	0	0
7066515	0	1	0	0
7054000	0	0	0	0
7093880	0	0	0	0
7100541	0	0	0	0
7103796	0	0	0	0
8027733	0	0	0	1
7103996	0	0	0	0
7210346	0	0	0	0
8026245	0	0	0	0
8021615	0	0	0	0
7198908	0	0	0	0
7208489	0	0	0	0
8011768	0	0	0	0
8107553	0	0	0	0
8097351	0	0	0	0
8115654	0	0	0	0
8088768	0	0	0	0
8145049	0	0	0	0
8150225	0	0	0	0
8201835	0	0	0	0
8191895	0	0	0	0
8191539	0	0	0	0
8298206	0	0	0	0
8329990	0	0	0	0
8287176	0	0	0	0
8301560	0	0	0	0
8281564	0	0	0	0
8306821	0	0	0	0
8377643	0	0	0	0
8405103	0	0	0	0
8402084	0	0	0	0
8441964	0	0	0	0
8426355	0	0	0	0
8499030	0	1	0	0
8415060	0	0	0	0
8534968	0	0	0	0
8565874	0	0	0	0
8577269	0	0	0	0
8578450	0	0	0	0
8579079	0	0	0	0
8576230	0	0	0	0
8581751	0	0	0	0
8582340	0	0	0	0
8597497	0	0	0	0
8654208	0	0	0	0
8652860	0	0	0	0
8720674	0	0	0	0
8816613	0	0	0	0
8732896	0	0	0	0
8721070	0	0	0	0
8743145	0	0	0	0
8742775	0	0	0	0
8748464	0	0	0	0
8770505	0	0	0	1
8794917	0	0	0	0
8812299	0	0	0	0
8817236	0	0	0	0
8791375	0	0	0	0
8836051	0	0	0	0
8848441	0	0	0	0
8920883	0	0	0	0
8950029	0	0	0	0
8971998	0	0	0	0
9009265	0	0	0	0
8971009	0	0	0	0
8980936	0	0	0	0
9045376	0	0	0	0
8993342	0	0	0	0
8996562	0	0	0	0
9009814	0	0	0	0
9009826	0	0	0	0

Appendix E: TDM Measures

Improvement	Required When	Assessment
Bus boarding bulbs or islands	A bus boarding bulb or island does not already exist and a bus stop is located along the project frontage; and/or A bus stop along the project frontage serves a route with 15 minutes or better peak hour service and has a shared bus-bike lane curb	**Not Required** - There are no bus stops located along the project frontage
Bus shelter	A stop with no shelter is located within the project frontage, or The project is located within 0.10 miles of a flag stop with 25 or more boardings per day	**Required** - The project sponsor shall work with the City to identify the feasibility of installing bus shelters for the following bus stops: - 29th Avenue/north of railroad crossing; - 29th Avenue/north of 10th Street - 12th Street/east of 29th Avenue (south side) - 12th Street/east of 29th Avenue (north side) If these stops have 25 or more passenger boardings per day and construction of the bus shelters is feasible, the project sponsor shall install bus shelters.
Concrete bus pad	A bus stop is located along the project frontage and a concrete bus pad does not already exist	**Not Required** - There are no bus stops located along the project frontage
Curb extensions or bulb-outs	Identified as an improvement within site analysis	**Not Required** - Intersections near the project are signalized with pedestrian push buttons. Given the signalized crossings, curb extension or bulb-outs were not identified as needed in the site plan review.
Implementation of a corridor-level bikeway improvement	A buffered Class II or Class IV bikeway facility is in a local or county adopted plan within 0.10 miles of the project location; and The project would generate 500 or more daily bicycle trips	**Not Required** - Based on the ITE trip generation rate and Table 2 of the TIRG, the project is only anticipated to generate about 42 bicycle trips per day (5.1% of the ITE trip generation for projects within 1/2 mile of a BART station)
Implementation of a corridor-level transit capital improvement	A high quality transit facility is in a local or county adopted plan within 0.25 miles of the project location; and The project would generate 400 or more peak period transit trips	**Not Required** - Based on the ITE trip generation rate and Table 2 of the TIRG, the project is anticipated to generate about 242 transit trips per day (29.7% of the ITE trip generation for projects within 1/2 mile of a BART station)
Installation of amenities such as lighting; pedestrian oriented green infrastructure, trees, or other greening landscape; and trash receptacles per the Pedestrian Master Plan and any applicable streetscape plan.	Always required	**Required -** The project sponsor shall install amenities such as lighting; pedestrian oriented green infrastructure, trees, or other greening landscape; and trash receptacles per the Pedestrian Master Plan and any applicable streetscape plan.
Installation of safety improvements identified in the Pedestrian Master Plan (such as crosswalk striping, curb ramps, count down signals, bulb outs, etc.)	When improvements are identified in the Pedestrian Master Plan along project frontage or at an adjacent intersection	**Not required** - the Pedestrian Master Plan does not identify any improvements along project frontage or at an adjacent intersection.
In-street bicycle corral	A project includes more than 10,000 square feet of ground floor retail, is located along a Tier 1 bikeway, and on-street vehicle parking is provided along the project frontages.	**Not Required** - The project does not contain any retail space and is not located along a Tier 1 bikeway.
Intersection improvements	Identified as an improvement within site analysis	**Not Required -** No intersection improvements were identified within the site analysis.
New sidewalk, curb ramps, curb and gutter meeting current City and ADA standards	Always required	**Required** - The curb ramps located at adjacent intersections have recently been updated and appear to meet City requirements. All intersections have curb ramps with truncated domes. However, the project sponsor shall coordinate with the California Public Utilities Commission (CPUC), Union Pacific, and the City to determine existing deficiencies and potential improvements for the pedestrian crossing of the railroad tracks on 29th Avenue, south of the Project driveway. Although the project sponsor should not be responsible for infrastructure improvements, the school may dedicate a staff member to act as a crossing guard to ensure safe crossing for students.
No monthly permits and establish minimum price floor for public parking	If proposed parking ratio exceeds 1:1000 sf (commercial)	**Not Required** - the project is a charter school without commercial retail space. Therefore, it does not provide public parking.
Parking garage is designed with retrofit capability	Optional if proposed parking ratio exceeds 1:1.25 (residential) or 1:1000 sf (commercial)	**Not Required** - the project is not proposing a parking garage structure.
Parking space reserved for car share	A project is located within downtown. One car share space preserved for buildings between 50 – 200 units, then one car share space per 200 units.	**Not Required** - the project is not located within downtown.

Improvement	Required When	Assessment
Paving, lane striping or restriping (vehicle and bicycle), and signs to midpoint of street section	Typically required	**Required** - the project sponsor shall work with the City to determine if paving, lane striping, or restriping will be required in the vicinity of the project.
Pedestrian crossing improvements, pedestrian supportive signal changes	Identified as an improvement within site analysis Identified as an improvement within operations analysis	**Required** - Project shall restripe the existing crosswalks in yellow to indicate a school crossing per the California MUTCD. - 12th Street / Derby Avenue - 29th Avenue / Food Max & Animal Services Driveway
Real-time transit information system	A project frontage block includes a bus stop or BART station and is along a Tier 1 transit route with 2 or more routes or peak period frequency of 15 minutes or better	**Not Required** - the project frontage does not contain a bus stop.
Relocating bus stops to far side	A project is located within 0.10 mile of any active bus stop that is currently near-side	**Required** - The project sponsor shall work with Alameda County Transit and the City to determine if the near side bus stop should be relocated to the far side on the westbound approach to 12th Street and 29th Avenue and the northbound approach to 29th Avenue and the Food Max/Animal Services Driveway.
Signal upgrades	Project size exceeds 100 residential units, 80,000 sf of retail, or 100,000 sf of commercial; and Project frontage abuts an intersection with signal infrastructure older than 15 years	**Not Required** - there are no signalized intersections abutting the project and the project does not exceed 100,000 square feet.
Transit queue jumps	Identified as a needed improvement within operations analysis of a project with frontage along a Tier 1 transit route with 2 or more routes or peak period frequency of 15 minutes or better	**Not Required** - The operations analysis did not identify a need for a transit queue jump improvement.
Trenching and placement of conduit for providing traffic signal interconnect	Project size exceeds 100 units, 80,000 sf of retail, or 100,000 sf of commercial; and Project frontage block is identified for signal interconnect improvements as part of a planned ITS improvement; and A major transit improvement is identified within operations analysis requiring traffic signal interconnect	**Not required** - The project size does not exceed 100,000 square feet.
Unbundled parking	If proposed parking ratio exceeds 1:1.25 (residential)	**Not Required** - the project does not have a residential component.

Transportation Demand Management Plan

TDM Measures	Range of Vehicle Trip Reduction	Estimated Vehicle Trip Reduction
TDM Coordinator	-	-
Bike Parking	0.63%	0.63%
Transit and Bicycle Subsidies	0.3% to 20%	12.90%
School Pool Program	7.2% to 15.8%	15.80%
Pedestrian Network Improvements	0% to 2%	2%
Vehicle Trip Reduction Marketing	0.8% to 4%	4%
All Strategies	**-**	**35.33%**

TDM Program Coordinator

Description: The TDM Program Coordinator is responsible for implementation, monitoring, and reporting of the TDM Plan. The TDM Coordinator would facilitate site inspections by City staff to verify that the standards specified as conditions of approval are met. This person(s) can be a school employee or a third party provider that runs the program.
Target Users: Not applicable
Range of Effectiveness: Not applicable
Estimated Vehicle Trip Reduction: Not applicable

Bike Parking

Description: Having accessible, secure, and convenient places to store bicycles encourages residents to bike to and from the project site. The project will include both long-term and short-term bicycle parking on-site, as well as a bike repair station. The Project would provide short-term and long-term bicycle parking facilities to meet maximum estimated demand. The number of bicycle parking spaces would be equitably adjusted (increased) based on observed demand.
Target Users: All staff and students
Range of Effectiveness: 0.625%
Estimated Vehicle Trip Reduction: 0.625%

Transit and Bicycle Incentives

Description: The Project would provide subsidized/discounted daily or monthly public transit or bike share passes. The VMT reduction calculation assumes the Project would provide the equivalent of a $1.50 per trip subsidy for these modes.
Target Users: All staff and students
Range of Effectiveness: 0.3% to 20%
Estimated Vehicle Trip Reduction: 12.9%

School Pool Program

Description: The Project would develop and implement a ridesharing or carpooling program for students. The ridesharing "School Pool" program will help to match parents to transport students to/from campus. The VMT reduction calculation assumes aggressive implementation with a 35 percent adoption rate.
Target Users: All students
Range of Effectiveness: 7.2% to 15.8%
Estimated Vehicle Trip Reduction: 15.8%

Pedestrian Network Improvements

Description: The Project would implement improvements to the pedestrian network to encourage people to walk instead of drive. The Project would also minimize barriers to pedestrian access and interconnectivity. The Project would implement the following improvements:

- Restripe existing crosswalks in yellow to indicate a school crossing per the California MUTCD at East 12th Street & Derby Avenue and 29th Avenue & Fruitvale Station Shopping Center/Animal Services Driveway
- Dedicate a crossing guard at E 12th Street & 29th Avenue

- Pay for fair share of improvements to the at-grade railroad crossings identified in the diagnostic review. Until the recommend improvements from the diagnostic review are implemented, the Project will dedicate a staff member to act as a crossing guard during the morning and afternoon commute periods (7:30-8:30 a.m and 3:45-5:45 p.m.) to ensure safe crossing for students.

Target Users: All staff and students
Range of Effectiveness: 0 to 2%
Estimated Vehicle Trip Reduction: 2%

Vehicle Trip Reduction Marketing Program

Description: Information sharing and marketing are important components to successful vehicle trip reduction strategies. The Project would develop and implement a vehicle trip reduction program. Vehicle trip reduction marketing elements may include transit information packets and programs, such as the guaranteed ride home program, pre-tax commuter benefits, and on-site sales of transit passes, to support sustainable modes. The appointed transportation coordinator will provide trip planning assistance and provide information on transportation options for students and staff.
Target Users: All staff and students
Range of Effectiveness: 0.8% to 4%
Estimated Vehicle Trip Reduction: 4%

Appendix F: Temporary Traffic Control Plan

1045 Derby St.
TRAFFIC CONTROL PLANS
Oakland, CA

GENERAL NOTES:

1. ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE LATEST EDITION OF THE CALIFORNIA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD), THE CALTRANS STANDARD PLANS AND SPECIFICATIONS, AND THE CALIFORNIA TEMPORARY TRAFFIC CONTROL HANDBOOK (CATTCH).
2. THE LOCAL FIRE DEPARTMENT, SHERIFF/POLICE DEPARTMENT, CALIFORNIA HIGHWAY PATROL, LOCAL SCHOOL DISTRICT, TRANSIT SERVICE PROVIDERS AND UNITED STATES POSTAL SERVICE SHALL BE NOTIFIED 72 HOURS IN ADVANCE OF CONSTRUCTION WORK.
3. ALL WORKERS SHALL BE EQUIPPED WITH A REFLECTIVE VEST AND HARD HAT PER THE LATEST ANSI/ISEA 107 STANDARDS. ALL FLAGGERS SHALL ALSO BE EQUIPPED WITH A R1-1/W20-8 "STOP/SLOW" PADDLE AND SHALL BE TRAINED IN THE PROPER FUNDAMENTALS OF FLAGGING TRAFFIC.
4. NO PARKING SIGNS SHALL BE PLACED IN ACCORDANCE TO LOCAL AGENCY REQUIREMENTS. OTHERWISE, NO PARKING SIGNS SHALL BE PLACED 72 HOURS PRIOR TO SET UP. SIGNS SHALL BE POSTED EVERY 20 LINEAR FEET OF OCCUPIED SPACE WITH AT LEAST ONE SIGN AT EACH END OF OCCUPIED SPACE.
5. ANY CONFLICTING SIGNS WILL BE COVERED FOR THE LENGTH OF THE JOB.
6. CONTRACTOR SHALL MAINTAIN EMERGENCY VEHICLE AND DRIVEWAY ACCESS AT ALL TIMES.
7. B.A.T.S TRAFFIC SOLUTIONS, INC. ACKNOWLEDGES NO RESPONSIBILITY IN THE CASE OF ANY ACCIDENT, INJURY, OR DEATH OCCURRING DURING THE USE OF THESE PLANS. PLANS ARE NOT TO BE DUPLICATED FOR USE BY ANY PERSONS NOT INCLUDED IN THIS CONTRACT WITHOUT WRITTEN CONSENT.
8. CITY ENGINEER OR HIS/HER REPRESENTATIVE HAS THE AUTHORITY TO INITIATE FIELD CHANGES TO ASSURE PUBLIC SAFETY.
9. IF PEDESTRIAN ACCESS IS RESTRICTED DURING WORK HOURS, AT LEAST ONE WORKER SHALL BE ASSIGNED WITH THE RESPONSIBILITY TO SAFELY ESCORT DISABLED, ELDERLY, AND/OR ANY OTHER PEDESTRIAN IN NEED OF ASSISTANCE. THE ASSIGNED WORKER(S) MAY ALSO PARTICIPATE IN OTHER CONSTRUCTION ACTIVITIES BUT SHALL ALWAYS BE AWARE OF HIS/HER RESPONSIBILITY TO PROVIDE THIS ASSISTANCE. PEDESTRIANS SHALL NOT BE DIRECTED NOR EXPECTED TO CROSS A ROADWAY AT ANY LOCATION OTHER THAN AT A SIGNALIZED INTERSECTION OR ALL-WAY STOP. ACCOMMODATIONS SHOULD BE MADE ON THE SAME SIDE OF THE ROADWAY AS THE WORK.
10. ALL ADVANCED WARNING SIGNS SHALL BE EQUIPPED WITH A HIGH-LEVEL WARNING DEVICE (FLAG TREE).
11. TYPE A OR TYPE B FLASHING WARNING LIGHTS SHALL BE USED, AS SHOWN ON THE PLAN, WHEN WORK IS AT NIGHT OR ENCROACHES THE HOURS OF DARKNESS. TYPE B FLASHING WARNING LIGHTS SHALL BE USED, AS SHOWN ON THE PLAN, WHEN WORK IS 24/7 SETUP.
12. LIGHT TOWERS SHALL BE USED AT FLAGGER STATIONS AND WORK AREAS WHEN WORK IS AT NIGHT OR ENCROACHES THE HOURS OF DARKNESS. HIGHWAY CONSTRUCTION WORK LIGHTING SHALL BE PER CALIFORNIA CODE OF REGULATIONS CONSTRUCTION SAFETY ORDER 1523 (TILE 8, DIVISION 1, CHAPTER 4, SUBCHAPTER 4, ARTICLE 3, SECTION 1523).
13. WHEN APPLICABLE, PLACE A MINIMUM OF FOUR CONES AT 50FT INTERVALS IN ADVANCE OF FLAGGER STATION.
14. WHEN APPLICABLE, PLACE SHOULDER TAPER IN ADVANCE OF PCMS BOARD. SEE TABLE 1 ON CALTRANS STD T9 FOR SHOULDER TAPER LENGTH.
15. NOTHING ALLOWED IN BUFFER OR TRANSITION AREAS UNLESS OTHERWISE SHOWN ON THE PLAN.
16. CONTRACTOR SHALL PLATE EXCAVATED AREA DURING NON-WORKING HOURS.
17. PLAN IS ACCURATE FOR TRAFFIC CONTROL WORK ONLY. EXCAVATION LOCATION IS APPROXIMATE AND FOR REFERENCE ONLY.
18. CONES SHOWN ON PLAN ARE FOR ILLUSTRATION PURPOSES ONLY. EXACT NUMBER OF CONES REQUIRED SHALL BE BASED ON THE POSTED SPEED, TANGENT LENGTHS, TAPER LENGTHS, CONFLICT SECTIONS, AND ACTUAL FIELD CONDITIONS, ETC.

No.	DATE	DESCRIPTION	DWN	CHKD	SUPV
0	11/9/20	ISSUED FOR PERMIT	DP	DP	VRB

REVISIONS

1045 Derby St.
TRAFFIC CONTROL PLANS
Oakland, CA

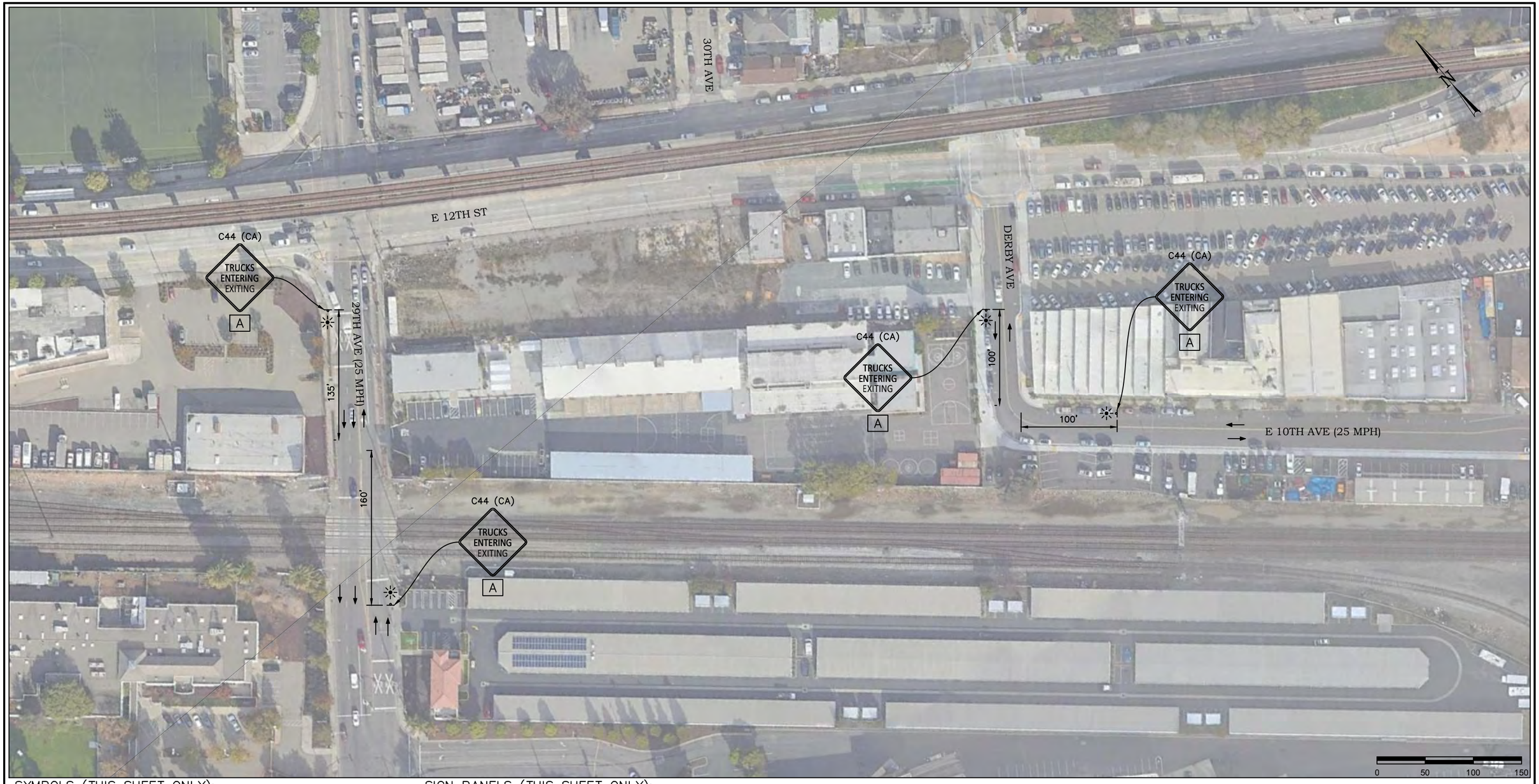
TCP REQUEST BY:
Pacific Charter School Development
Keivan Abidi
510-333-3384
keivan@pacificcharter.org

B.A.T.S. TRAFFIC SOLUTIONS
CSLB# 917034
OFFICE: 510-657-2543
FAX: 510-657-2544
44800 INDUSTRIAL DR, FREMONT, CA 94538
WWW.BATSTRAFFICSOLUTIONS.COM

DWN: DP
CHKD: DP
SUPV: VRB
DATE: 11/9/20

AFTER HOURS EMERGENCY
510-299-5666

TCP QUESTIONS?
EMAIL: TCPORDERS@GOBATS.NET



SYMBOLS (THIS SHEET ONLY):

- → = TRAFFIC LANE CONFIGURATION
- = TEMPORARY TRAFFIC CONTROL SIGN
- = FLASHING WARNING LIGHT (SEE GENERAL NOTE 11 ON SHEET 1)

SIGN PANELS (THIS SHEET ONLY):

A 48"x48"

No.	DATE	DESCRIPTION	DWN	CHKD	SUPV
0	11/9/20	ISSUED FOR PERMIT	DP	DP	VRB

REVISIONS

1045 Derby St.
TRAFFIC CONTROL PLANS
Oakland, CA

TCP REQUEST BY:
Pacific Charter School Development
Keivan Abidi
510-333-3384
keivan@pacificcharter.org

B.A.T.S. TRAFFIC SOLUTIONS
CSLB# 917034
OFFICE: 510-657-2543
FAX: 510-657-2544
44800 INDUSTRIAL DR, FREMONT, CA 94538
WWW.BATSTRAFFICSOLUTIONS.COM

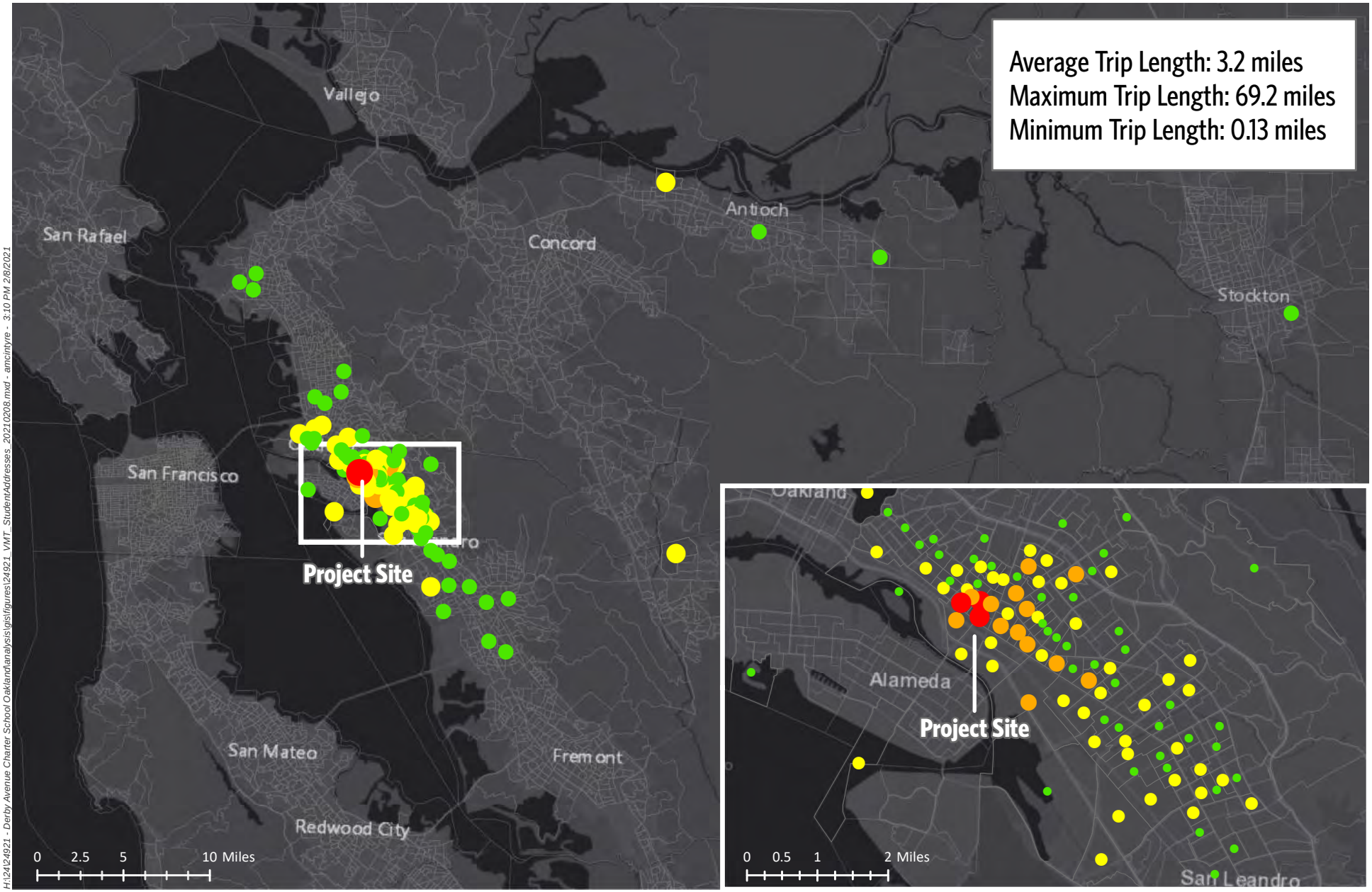
DWN: DP
CHKD: DP
SUPV: VRB
DATE: 11/9/20

AFTER HOURS EMERGENCY
510-299-5666

TCP QUESTIONS?
EMAIL: TCPORDERS@GOBATS.NET

KITTELSON & ASSOCIATES
155 GRAND AVENUE, SUITE 900
OAKLAND, CA 94612
P 510.839.1742 F 510.839.0871

Appendix G: VMT Analysis



H:\24\24921 - Derby Avenue Charter School Oakland\analysis\gis\figures\24921_VMT_StudentAddresses_20210208.mxd - amcintyre - 3:10 PM 2/8/2021

Number of Students Residing within Census Block Group

- 1
- 2 - 4
- 5 - 9
- 10 - 19

VMT Analysis - Student Distribution by Census Block Group

Attachment **G**

KITTELSON & ASSOCIATES

Coordinate System: NAD 1983 StatePlane California IV FIPS 0404 Feet
Data Source: EFC; U.S. Census

Appendix O

Kittelson Associates, Inc.

***EFC Derby Charter School TDM Plan*, April 2021**

Improvement	Required When	Assessment
Bus boarding bulbs or islands	A bus boarding bulb or island does not already exist and a bus stop is located along the project frontage; and/or A bus stop along the project frontage serves a route with 15 minutes or better peak hour service and has a shared bus-bike lane curb	**Not Required** - There are no bus stops located along the project frontage
Bus shelter	A stop with no shelter is located within the project frontage, or The project is located within 0.10 miles of a flag stop with 25 or more boardings per day	**Required** - The project sponsor shall work with the City to identify the feasibility of installing bus shelters for the following bus stops: - 29th Avenue/north of railroad crossing; - 29th Avenue/north of 10th Street - 12th Street/east of 29th Avenue (south side) - 12th Street/east of 29th Avenue (north side) If these stops have 25 or more passenger boardings per day and construction of the bus shelters is feasible, the project sponsor shall install bus shelters.
Concrete bus pad	A bus stop is located along the project frontage and a concrete bus pad does not already exist	**Not Required** - There are no bus stops located along the project frontage
Curb extensions or bulb-outs	Identified as an improvement within site analysis	**Not Required** - Intersections near the project are signalized with pedestrian push buttons. Given the signalized crossings, curb extension or bulb-outs were not identified as needed in the site plan review.
Implementation of a corridor-level bikeway improvement	A buffered Class II or Class IV bikeway facility is in a local or county adopted plan within 0.10 miles of the project location; and The project would generate 500 or more daily bicycle trips	**Not Required** - Based on the ITE trip generation rate and Table 2 of the TIRG, the project is only anticipated to generate about 42 bicycle trips per day (5.1% of the ITE trip generation for projects within 1/2 mile of a BART station)
Implementation of a corridor-level transit capital improvement	A high quality transit facility is in a local or county adopted plan within 0.25 miles of the project location; and The project would generate 400 or more peak period transit trips	**Not Required** - Based on the ITE trip generation rate and Table 2 of the TIRG, the project is anticipated to generate about 242 transit trips per day (29.7% of the ITE trip generation for projects within 1/2 mile of a BART station)
Installation of amenities such as lighting; pedestrian oriented green infrastructure, trees, or other greening landscape; and trash receptacles per the Pedestrian Master Plan and any applicable streetscape plan.	Always required	**Required -** The project sponsor shall install amenities such as lighting; pedestrian oriented green infrastructure, trees, or other greening landscape; and trash receptacles per the Pedestrian Master Plan and any applicable streetscape plan.
Installation of safety improvements identified in the Pedestrian Master Plan (such as crosswalk striping, curb ramps, count down signals, bulb outs, etc.)	When improvements are identified in the Pedestrian Master Plan along project frontage or at an adjacent intersection	**Not required** - the Pedestrian Master Plan does not identify any improvements along project frontage or at an adjacent intersection.
In-street bicycle corral	A project includes more than 10,000 square feet of ground floor retail, is located along a Tier 1 bikeway, and on-street vehicle parking is provided along the project frontages.	**Not Required** - The project does not contain any retail space and is not located along a Tier 1 bikeway.
Intersection improvements	Identified as an improvement within site analysis	**Not Required -** No intersection improvements were identified within the site analysis.
New sidewalk, curb ramps, curb and gutter meeting current City and ADA standards	Always required	**Required** - The curb ramps located at adjacent intersections have recently been updated and appear to meet City requirements. All intersections have curb ramps with truncated domes. However, the project sponsor shall coordinate with the California Public Utilities Commission (CPUC), Union Pacific, and the City to determine existing deficiencies and potential improvements for the pedestrian crossing of the railroad tracks on 29th Avenue, south of the Project driveway. Although the project sponsor should not be responsible for infrastructure improvements, the school may dedicate a staff member to act as a crossing guard to ensure safe crossing for students.
No monthly permits and establish minimum price floor for public parking	If proposed parking ratio exceeds 1:1000 sf (commercial)	**Not Required** - the project is a charter school without commercial retail space. Therefore, it does not provide public parking.
Parking garage is designed with retrofit capability	Optional if proposed parking ratio exceeds 1:1.25 (residential) or 1:1000 sf (commercial)	**Not Required** - the project is not proposing a parking garage structure.
Parking space reserved for car share	A project is located within downtown. One car share space preserved for buildings between 50 – 200 units, then one car share space per 200 units.	**Not Required** - the project is not located within downtown.

Improvement	Required When	Assessment
Paving, lane striping or restriping (vehicle and bicycle), and signs to midpoint of street section	Typically required	**Required** - the project sponsor shall work with the City to determine if paving, lane striping, or restriping will be required in the vicinity of the project.
Pedestrian crossing improvements, pedestrian supportive signal changes	Identified as an improvement within site analysis Identified as an improvement within operations analysis	**Required** - Project shall restripe the existing crosswalks in yellow to indicate a school crossing per the California MUTCD. - 12th Street / Derby Avenue - 29th Avenue / Food Max & Animal Services Driveway
Real-time transit information system	A project frontage block includes a bus stop or BART station and is along a Tier 1 transit route with 2 or more routes or peak period frequency of 15 minutes or better	**Not Required** - the project frontage does not contain a bus stop.
Relocating bus stops to far side	A project is located within 0.10 mile of any active bus stop that is currently near-side	**Required** - The project sponsor shall work with Alameda County Transit and the City to determine if the near side bus stop should be relocated to the far side on the westbound approach to 12th Street and 29th Avenue and the northbound approach to 29th Avenue and the Food Max/Animal Services Driveway.
Signal upgrades	Project size exceeds 100 residential units, 80,000 sf of retail, or 100,000 sf of commercial; and Project frontage abuts an intersection with signal infrastructure older than 15 years	**Not Required** - there are no signalized intersections abutting the project and the project does not exceed 100,000 square feet.
Transit queue jumps	Identified as a needed improvement within operations analysis of a project with frontage along a Tier 1 transit route with 2 or more routes or peak period frequency of 15 minutes or better	**Not Required** - The operations analysis did not identify a need for a transit queue jump improvement.
Trenching and placement of conduit for providing traffic signal interconnect	Project size exceeds 100 units, 80,000 sf of retail, or 100,000 sf of commercial; and Project frontage block is identified for signal interconnect improvements as part of a planned ITS improvement; and A major transit improvement is identified within operations analysis requiring traffic signal interconnect	**Not required** - The project size does not exceed 100,000 square feet.
Unbundled parking	If proposed parking ratio exceeds 1:1.25 (residential)	**Not Required** - the project does not have a residential component.

Transportation Demand Management Plan

TDM Measures	Range of Vehicle Trip Reduction	Estimated Vehicle Trip Reduction
TDM Coordinator	-	-
Bike Parking	0.63%	0.63%
Transit and Bicycle Subsidies	0.3% to 20%	12.90%
School Pool Program	7.2% to 15.8%	15.80%
Pedestrian Network Improvements	0% to 2%	2%
Vehicle Trip Reduction Marketing	0.8% to 4%	4%
All Strategies	**-**	**35.33%**

TDM Program Coordinator

Description: The TDM Program Coordinator is responsible for implementation, monitoring, and reporting of the TDM Plan. The TDM Coordinator would facilitate site inspections by City staff to verify that the standards specified as conditions of approval are met. This person(s) can be a school employee or a third party provider that runs the program.
Target Users: Not applicable
Range of Effectiveness: Not applicable
Estimated Vehicle Trip Reduction: Not applicable

Bike Parking

Description: Having accessible, secure, and convenient places to store bicycles encourages residents to bike to and from the project site. The project will include both long-term and short-term bicycle parking on-site, as well as a bike repair station. The Project would provide short-term and long-term bicycle parking facilities to meet maximum estimated demand. The number of bicycle parking spaces would be equitably adjusted (increased) based on observed demand.
Target Users: All staff and students
Range of Effectiveness: 0.625%
Estimated Vehicle Trip Reduction: 0.625%

Transit and Bicycle Incentives

Description: The Project would provide subsidized/discounted daily or monthly public transit or bike share passes. The VMT reduction calculation assumes the Project would provide the equivalent of a $1.50 per trip subsidy for these modes.
Target Users: All staff and students
Range of Effectiveness: 0.3% to 20%
Estimated Vehicle Trip Reduction: 12.9%

School Pool Program

Description: The Project would develop and implement a ridesharing or carpooling program for students. The ridesharing "School Pool" program will help to match parents to transport students to/from campus. The VMT reduction calculation assumes aggressive implementation with a 35 percent adoption rate.
Target Users: All students
Range of Effectiveness: 7.2% to 15.8%
Estimated Vehicle Trip Reduction: 15.8%

Pedestrian Network Improvements

Description: The Project would implement improvements to the pedestrian network to encourage people to walk instead of drive. The Project would also minimize barriers to pedestrian access and interconnectivity. The Project would implement the following improvements:

- Restripe existing crosswalks in yellow to indicate a school crossing per the California MUTCD at East 12th Street & Derby Avenue and 29th Avenue & Fruitvale Station Shopping Center/Animal Services Driveway
- Dedicate a crossing guard at E 12th Street & 29th Avenue

- Pay for fair share of improvements to the at-grade railroad crossings identified in the diagnostic review. Until the recommend improvements from the diagnostic review are implemented, the Project will dedicate a staff member to act as a crossing guard during the morning and afternoon commute periods (7:30-8:30 a.m and 3:45-5:45 p.m.) to ensure safe crossing for students.

Target Users: All staff and students
Range of Effectiveness: 0 to 2%
Estimated Vehicle Trip Reduction: 2%

Vehicle Trip Reduction Marketing Program

Description: Information sharing and marketing are important components to successful vehicle trip reduction strategies. The Project would develop and implement a vehicle trip reduction program. Vehicle trip reduction marketing elements may include transit information packets and programs, such as the guaranteed ride home program, pre-tax commuter benefits, and on-site sales of transit passes, to support sustainable modes. The appointed transportation coordinator will provide trip planning assistance and provide information on transportation options for students and staff.
Target Users: All staff and students
Range of Effectiveness: 0.8% to 4%
Estimated Vehicle Trip Reduction: 4%