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By Alameda County Environmental Health 9:02 am, Jan 04, 2016

SIGNATURE PAGE

LIMITATIONS

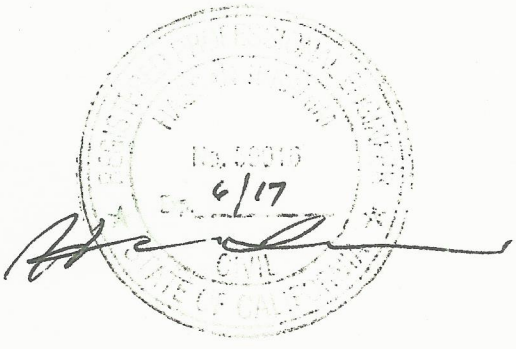
This report describes the methodology for the engineering work (i.e.; Site Investigation, Remedial Investigation, Remedial Action, Remedial Action plan, Geotechnical, Environmental, Drilling, Soil and Groundwater samplings) at the subject facility. The report has been reviewed by a registered civil Engineer in State of California, his signature and licence appears below.

DDEE will focus on locating the most significant sources or potential sources and plume size and migration pathway and implement soil and groundwater remediation. DDEE will conclude a clean-up and /or monitoring program until the concentrations of the contaminant of concern will reach acceptable clean-up levels to the agencies.

DDEE's liability to our Clients for injury or damages to persons or property arising out of work performed for our Clients and for which legal liability may be found to rest upon DDEE, other than for professional errors and omissions, will be limited to its general liability insurance coverage maximum limit.

For any damage on account of any error, omission, or other professional negligence, DDEE's liability will be limited to a sum not to exceed our fees.

The Client shall indemnify DDEE against any claims or costs, which exceed the limitation on DDEE's liability provided in our insurance coverage, or results from acts or omissions of the Client.



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STATEMENT OF LIMITATIONS AND PROFESSIONAL CERTIFICATION

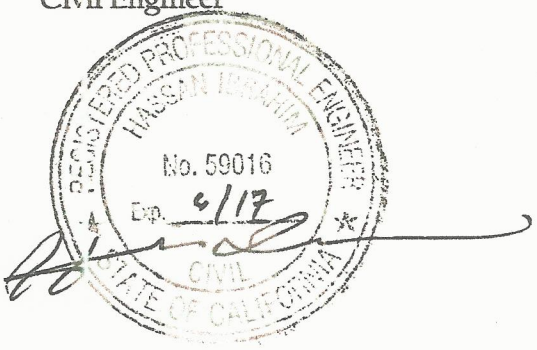
The information provided in this technical report, prepared by DDEE, is intended exclusively for the use of DDEE and Regulatory Agencies for the evaluation of subsurface conditions regarding the subject site. The professional services provided have been performed in accordance with practices generally accepted by other environmental professionals practicing in the environmental engineering field. No other warranty, either expressed or implied is made. As with all subsurface investigations, there is no guarantee that the work conducted will identify all sources of locations of contamination.

DDEE reserves the right to deviate from the proposed scope of services outlined in this Workplan as needed to obtain the required information. If such deviation is necessary, DDEE will seek prior approval from the regulatory agency overseeing this project.

This Proposal is issued for review and consideration for approval by the appropriate regulatory agency. This Proposal has been reviewed by a geologist/engineer who is registered in the state of California and whose signature and license number appears below.

Hassan Ibrahim, PE.

Civil Engineer



David A Fagorala

Environmental Professional

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DATE: ***JULY 17,*** 2015
FILE: RO0003163

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SUBJECT: ***PERJURY STATEMENT - REMEDIATION WORK AT ELEGANT CLEANERS #RO0003163, LOCATED AT 1208 LINCOLN AVENUE, ALAMEDA, CALIFORNIA 94501-2326***

I, Mr. Reza Sheikhai, the responsible party for the subject project, hereby, "declares , under penalty of perjury, that the information and/or recommendations contained in the attached document and/or report is true and correct to the best of my knowledge."

This letter is also signed by Dave Fagorala, the representative of the consulting firm (Dave Drilling Environmental Engineering, Inc.), that, I retained to implement the remediation work at the subject site.

If you have any questions regarding this letter, please call me at (510) 377 – 0233, or email me at: cpareza@aol.com

Sincerely,

Reza Sheikhai
Elegant Cleaners
1208 Lincoln Avenue
Alameda, CA 94501-2326

Dave A. Fagorala
Dave Drilling Environmental Engineering, Inc.
2283/2285 Willow Avenue, Bay Point, CA 94565

TECHNICAL REPORT

REVISED DATA GAP INVESTIGATION WORKPLAN

Case #RO0003163 AND GEO TRACKER GLOBAL ID T10000006546

AT ELEGANT CLEANER LOCATED AT 1208 LINCOLN AVENUE, ALAMEDA, CALIFORNIA 94501-2326

Prepared for:

Mr. REZA SHEIKHAI, 1208 LINCOLN AVENUE, ALAMEDA, CA 94501/**Open Bank, 1000 Wilshire Blvd. Suite 500 Los Angeles, CA 90017**

Prepared by:

Dave Drilling Environmental Engineering, Inc. (DDEE)

2283/2285 Willow Avenue, Bay Point, CA 94565. Phone: (510) 258 – 5167

December 11, 2015.

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Table 1

Site Conceptual Model

CSM Element	CSM Sub-Element	Description	Data Gap Item #	Resolution
(1) Geology and Hydrogeology	(1.a) Regional	The Alameda Island is filled with alluvial sands and gravel. These are the primary sources of groundwater. The site is located within the Coast Ranges geomorphic province of Northern California. The Coast Ranges are characterized as parallel mountain ranges and valleys displaced by strike-slip earthquake faults. The site is underlain by Quaternary-aged beach and dune sand. Alameda Island, once a peninsula that connected the cities of Alameda and Oakland, is composed of wetlands, lagoons, and several artificial bodies of water.	Groundwater flow at the site as determined by ENCON phase III site investigation report dated 01/14/2015 is towards northwest in the shallow zone. Seasonal groundwater flow direction is not yet determined	Approximately 7 More groundwater wells to be installed at the site in the shallow zone, to determine seasonal fluctuation in groundwater flow direction (see figure). 3 upgradient and 4 downgradient wells) Date: 1/30/2016
	(1.b) Site	The local geology as indicated from drilling program during previous site investigation showed shallow zone groundwater was first encountered at depths of approximately 10 to 15 feet bgs. Shallow Zone groundwater quality at the site has been partially investigated. The shallow zone groundwater gradients is 0.003 and the groundwater flow direction is defined as northwest at the site. The groundwater flow direction will be confirmed during remedial investigation and cleanup activities. The Shallow Zone hydraulic gradient at this part of Alameda has been	There is a need to investigate deeper water zone	Three monitoring wells to be installed to evaluate deeper aquifer zone Date: 1/30/2016

		reported as being relatively flat and may also be influenced by other groundwater extraction systems operating on nearby properties, dewatering and/or pumping. Some portions of the site are covered by buildings or paving that inhibits infiltration of rainfall except in the unpaved areas. Based on Boring logs from site investigations, the soil predominantly consists of fill material overlying alluvial deposits. In the previous investigation report, the soil beneath the fill material was classified primarily as silts and silt sands (see Appendix).		
	(1.c) Surface Water	The closest surface water body is the Oakland inner harbor located approximately five miles towards northwest of the subject site.		
	(1.d) Nearby Wells	There are many monitoring wells in the vicinity of the subject site including neighboring sites undergoing soil and groundwater cleanup	Identify wells within 1/4 mile radius. Utility and well survey – Utility and well survey data sources from Alameda County Public Water Agency (ACPWA) and Department of Water Resources (DWR) will be reviewed. Active, inactive, standby, decommissioned, abandoned, including monitoring remediation well, irrigation well, livestock well, industrial well, water supply well dewatering and cathodic well data	Identify and determine numbers of water supply wells and groundwater monitoring wells within one mile radius of the subject site. Date: 2/15/2016 Results of well data within ¼ mile from site will be utilized for migration pathway study from and to the subject site.

			within ¼ mile of site will be studied and recorded.	Date: 3/15/2016
(2) Release History & Source		Database search identified sources of historic releases within 0.125 mile of subject site as dry cleaner, manufacturing company, printing company and service station. However VOCs and TPH were not detected in soil, soil vapor and groundwater. PCE was detected at maximum concentration levels of 22480ug/m3 in indoor air, 0.84 ug/m3 in subsurface soil gas, and 29 ug/L in shallow groundwater. The PCE release corresponds to past dry cleaning operations from 1986 to 2005. New dry cleaner chemicals (DF-2000 Fluid) was used at the subject site from 1995 to date.	Test for new dry cleaner chemicals (DF-2000 Fluid) in soil and groundwater	Soil, soil vapor and groundwater sampling and lab chemical testing is needed along primary and secondary source areas. 3/15/2016
	(2.a) PLUME DYNAMICS	Indoor air quality has been degraded by PCE. From south to northern part of the building PEC was measured in indoor air from 1.0 ug/m3 to 0.35 ug/m3. Soil and groundwater media are suspected to be contaminated up to radial distance of 40 feet toward south and 80 feet toward north.	Soil and groundwater sampling & Testing required to locate limits of contamination	4 borings downgradient and 3 borings upgradient needed for shallow aquifer and 3 borings for deep aquifer. Frequent (twice per month) indoor air testing is needed during and after drilling construction Date: 2/07/2016

		(2.b) DATA REPRESENTATION	Histogram charts to be used to display chemical levels in soil, soil gas and groundwater see figure	Need adequate number of data as quarterly monitoring continues for groundwater, soil vapor,and indoor air. See figure in attachment.	Plume maps, contour maps flow maps requires for display of plume behavior with time. Also new dry cleaner chemicals (DF-2000 Fluid) to be tested in all media. Date: 4/21/2016
	(3) LANDUSE		The subject property is located at 1208 Lincoln Avenue, Alameda, California, in the partly commercial and residential area of the city of Alameda, California. The Property is a 5,500 square-foot irregularly shaped parcel that is developed with two-story 2,500 square-foot commercial building currently occupied by a dry cleaning business name Elegant Cleaner. The northern portion of the building's first floor features a main entrance door leading into a reception area and clothes racks. The southern portion features a large dry cleaning machine, storage and various pressers and dryers. The second floor is used as storage. There is an unpaved parking area at the southern end of the Property. Access to the Property is achieved from the north along Lincoln Avenue and southwest along Bay Street (ENCON ESA III 2015). The Property was developed	Indoor air quality need to be measured. Outdoor air quality around the chemical drum storage area need to be measured regularly twice a month.	Indoor and outdoor air quality to be measured twice per month up to one year. 1/30/2016

			with the current site building in the late 1800s or early 1900s. The building was originally developed as a meat market and was occupied by a store until the mid-1900s. In the 1970s it was occupied by a general store, and in 1980 it was occupied by a pet store. The current occupant, Elegant Cleaners, began occupying the building in 1986. The dry cleaners upgraded to an eco-friendly dry cleaning machine (Appendix B) in 2005, which replaced the previous machine that used Tetrachloroethylene (PCE) (ENCON ESA III 2015). The property on the east of the Elegant Cleaner is a two stories building used for church ministry, while the property on the west is the Faith Bible Church building. The Elegant Cleaner building toward the north is facing the Lincoln Road and the south side of the Elegant building is an open area. The second floor of the Elegant Cleaner building is the lunch area for the cleaner's staff.		
	(3.a) SOURCE REMEDIATION	A Phase III Environmental Site Assessment was prepared by ENCON Solutions, Inc. (January 14, 2015), for the subject property located at 1208 Lincoln Avenue. The subsurface investigation report indicated that dry cleaning fluid PCE were detected at low concentration levels of 29 ug/L in shallow	Investigation and evaluation of shallow and deep groundwater aquifers is recommended at the **primary source areas (drycleaning machine area, PCE drums storage area) and around northwest**	

		groundwater. PCE level in vadose zone subsurface was measured at a maximum level of 22480 ug/m3 beneath the Elegant Cleaner property. A soil vapor monitoring program will be implemented inside the building and around the source areas in existing 6 soil vapor wells, starting on January 21, 2016 (see Appendix B). More soil vapor wells may installed along sewer pipelines. The indoor air quality was reported to be degraded by PCE inside the building from south (1.0 ug/m3) to north (0.35 ug/m3). Regular monitoring of indoor air quality will be implemented and a mitigation approach will be recommended, starting from January 21, 2016. The site history report from Environmental Record Search indicated that chlorinated solvents have been detected in soil vapor in the area of a historical dry cleaning operation at the site and that further investigation of the extent of the chlorinated solvents will be required.	**groundwater flow direction (7nos borings for shallow zone and 3 nos borings for deep zone. see figure), starting on March 30, 2016 (see appendix for sampling locations).** Groundwater monitoring will continue for one year to evaluate effectiveness of remediation program for the Elegant Cleaner	10 nos more borings needed for evaluation of of shallow (7nos) and deep zone (3nos).
	(3.b) IN-SITU REMEDIATION ACTIVITIES	The modified Fenton's reagent process will be used to treat contamination at the Elegant Cleaner. The modified Fenton's Reagent process is an in-situ remedial treatment		

			technology that destroys organic contamination through co-existing chemical oxidation and reduction. This process consists of iron catalysts and hydrogen peroxide reacting with contaminated soil and groundwater.	The principal reaction associated with the modified Fenton's process is provided below. $H_2O_2 + Fe^{2+} => OH\bullet + OH^- + Fe^{3+}$ Where, H_2O_2 = Hydrogen Peroxide, Fe^{2+} = Ferrous Ion, Fe^{3+} = Ferric Ion, $OH\bullet$ = Hydroxyl Radicals In addition to the initiation reaction (1) described above that produces hydroxyl radical oxidants, the modified Fenton's process also produces superoxide radical and hydroperoxide anion reductants by additional chain propagation reactions described below. The perhydroxyl radical is known to be a weaker reductant compared to superoxide radical and hydroperoxide anions.	The remediation program will consist of two phases of field activities: two injection events for the area beneath of the Elegant Cleaner building to treat the contaminant source, and three injection events to treat the groundwater plume.

			$H_2O_2 + OH\bullet \Rightarrow HO_2\bullet + H_2O$ $HO_2\bullet \Rightarrow H^+ + O_2\bullet^-$ $HO_2\bullet + O_2\bullet^- \Rightarrow HO_2^- + O_2$ Where $O_2\bullet^-$ = superoxide radical anion, HO_2^- = hydroperoxide anion, $HO_2\bullet$ = perhydroxyl radical The co-existing oxidation-reduction reactions associated with a modified Fenton's process promote enhanced desorption and degradation of recalcitrant compounds. March 30, 2016.	
	(3.c) PLANNED DEVELOPMENT	Site will remain as a dry cleaner facility.	Indoor and outdoor air quality monitoring is needed.	Monitoring of air quality twice per month is recommended for a year.
(4) RISK EVALUATION		The site conceptual model (SCM) (see Figure for diagram), is based on the following exposure pathways: 1) Ingestion, dermal contact, and inhalation of soil and groundwater contaminants; 2) Ingestion and direct contact with surface and subsurface soil; 3) Inhalation of airborne contaminants in indoor and outdoor air originating from soil; and 4) Inhalation of indoor air contaminants originating from soil and	Sampling and testing to evaluate current levels of contaminates (PCE) in each medium needed for risk value determination.	7 boring locations within shallow zone and 3 locations within deeper zone, and RWQCB ESLs for residential and commercial landuse areas will be used for risk evaluation.

			groundwater contamination. The receptors include construction workers, and occupational workers. Assumptions applied to these pathways include: 1) pavement, concrete, buildings, and other existing cover could be removed to expose the underlying soil and 2) groundwater wells could be completed in the shallow aquifer underneath Elegant Cleaner and the water would be used as an untreated drinking water source. The deeper drinking water aquifers underlying Elegant Cleaner have not been evaluated and/or determined to be impacted by contamination above drinking water standards; however the potential exists that contamination could migrate downward into these deeper aquifers and adversely impact water supplies. There are no ecological habitats or ecological exposures at the Elegant Cleaner. The exposure pathways depicted in the CSM are discussed below. As shown in the CSM, the following pathways for current and future receptors were considered complete based on the presence of all four pathways and the nature of Elegant Cleaner, as well as the assumption that pavement, concrete, buildings, and other existing cover could be removed to expose the underlying soil **Ingestion and direct contact with surface soil** - (3 feet or		Date: 4/15/2016, 5/15/2016,

		less bgs) for on-site occupational workers, and shallow and deeper subsurface soils (0 to 15 feet bgs) for the hypothetical future on-site construction worker; **Inhalation of airborne contaminants in outdoor air** - (PCE and particulate matter from subsurface and surface soils) for occupational workers, and on-site construction workers; **Inhalation of indoor air contaminants in soil and groundwater** - (particulate matter from surface and subsurface soils and PCEs from soils and groundwater) for indoor occupational workers; and **Ingestion, dermal contact, and inhalation of groundwater contaminants** - for domestic usage (washing, bathing, laundry, etc.) and as a potable drinking water supply for potential on-site construction workers (i.e., untreated water supply). The assumption that construction and occupational workers could be exposed to contaminated groundwater from Elegant Cleaner is highly conservative. Contamination at Elegant Cleaner has not affected drinking water sources in the Alameda area. There are currently no wells providing a drinking water supply from the shallow aquifer in the area of Elegant Cleaner. Also, regulations, such as the Safe Drinking Water Act, prohibit water		

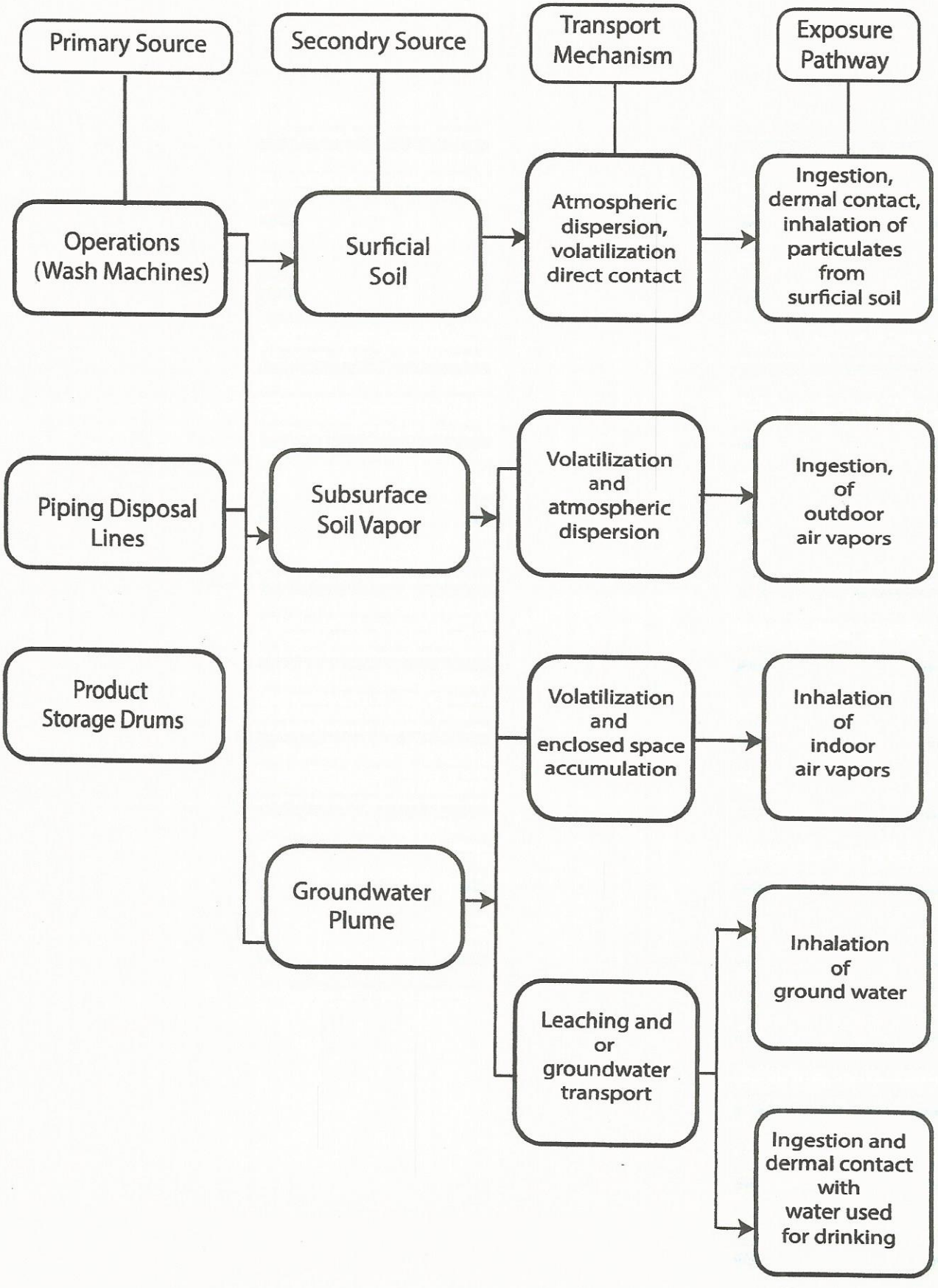
		purveyors from serving water contaminated in excess of drinking water standards (MCLs) to consumers.		

ITEM	DATA GAP ITEM #	PROPOSED INVESTIGATION	Rationale	Analysis
1	a. Aquitard layers between shallow and deep zone are not yet located. b. Groundwater flow in Deep zone is not calculated.	- Install four more groundwater monitoring wells in downgradient flow direction and three wells in upgradient flow direction in shallow zone. - Install minimum of three wells in deep zone making a total of ten wells to install. - Geologic logs of borings will be recorded and aquitard layers will be located. - Soil samples will be collected from below ground surface (bgs) during drilling at 1, 2, 3, 5 feet and 5 feet intervals up to 20 feet. - Well casing will be 2 inch diameter schedule 40 PVC to a depth of maximum 20ft in shallow zone. Screen will be 10ft length of 0.010 inch screen, perforation from 10ft to 20ft. - Well installation in deep zone will be 40ft deep of 2inch diameter schedule 40 PVC, screened from 30-40ft and sealed with concrete from 0-20ft to prevent cross contamination from shallow zone. Soil samples for lab chemical analysis will be collected bgs at 1ft, 2ft, 3ft, 5ft and 5ft intervals up to 40ft.**Start Date: January 30, 2016.**	- The wells in shallow and deep zone will be used to collect groundwater elevation data for calculation of gradient and flow direction. - Determine fluctuation in flow if any. - Location of borings/wells: Shallow wells will be located in areas along primary source of release. Deep wells will be located one step out of plume area of shallow zone to avoid cross contamination during drilling construction. Geologic logs will be recorded and soil and groundwater samples will be analyzed.	Soil and Groundwater: - Lab analysis for PCE, TCE and New drycleaning "eco friendly"chemicals (DF 2000 fluid.) for samples collected from subject site. — Determine seasonal flow fluctuation if any. — Flow direction in deep zone to be calculated.
2	Deep zone (20-40ft) was not characterized and analyzed for	Geologic logs of borings will be recorded. Borings will be logged using the Unified Soil Classification	Drilling and logging is to locate aquitard layers between shallow and deep	Test PCE, TCE and DF-2000 Fluid (Eco-Friendly cleaning chemical) in deep and

	PCE,TCE	System. Groundwater monitoring will continue for a year. Borings/wells for the deep zone will be located outside the plume area of the shallow zone. The well design for deep zone will have the shallow zone sealed with concrete and allow to solidify for 72 hours before continue drilling in the deep zone to prevent cross contamination. **Start Date: January 30, 2016**	zone that could naturally delay and/or prevent plume migration to deep zone.	shallow zones.
3	Well data from ACPWA and DWR need to be reviewed.	Well data within ¼ mile of the subject site will be collected from ACPWA and DWR and reviewed. **Start Date: February 15, 2016.**	Migration pathway studies will be conducted.	Groundwater elevation, gradient, lithologic logs, cross sections and flow directions will be compared with neighboring site data
4	Soil and Groundwater have not been tested for presence of new "Eco Friendly" dry cleaning chemicals (DF 2000 Fluid).	Soil and groundwater samples collected will be tested for DF-2000 Fluid "Eco Friendly"Chemicals in addition to PCE and TCE. **Start Date: January 30, 2016**	Test soil and groundwater for new dry cleaning "Eco Friendly"chemicals (DF-2000 Fluid)	Soil and groundwater will be analyzed to detect presence of DF-2000 Fluid "Eco Friendly"chemicals in addition to PCE and TCE.
5	Indoor air need to be tested while HVAC is turned off (October 2011, DTSC Guidance Document)	Heating, Ventilation, and Air Conditioning (HVAC) will be turned off during indoor air sampling. **Start Date: February 7, 2016**	Indoor air sampling must represent worse case scenario.	Indoor air samples to be representative of worse case scenario for analysis in compliance with DTSC Guidance Document.
6	Soil Vapor Monitoring need to locate additional PCE vapor plume (vapor cloud).	Areas along the sewer pipeline, the machine area and utility poles will be installed 4 more soil vapor wells to help to define PCE vapor plume. **Start Date: March 15, 2016**	Define PCE plume areas (vapor cloud). Boring diameter will be 2'', casing diameter = ¼'', screen interval=4-5' and total depth = 5' in vadose zone	VOCs and Eco Friendly dry cleaning chemicals will be analyzed.

7	Contaminated media need treatment. In-situ remediation is proposed.	Oxidation – reduction treatment using the Fenton reaction method is recommended. **Start Date: March 30, 2016.**	The Fenton's Reagent process is an in-situ remedial treatment technology that destroys organic contamination through co-existing chemical oxidation and reduction.	This process consists of iron catalysts and hydrogen peroxide reacting with contaminated soil and groundwater forming a by product of carbon dioxide and water.
8	RWQCB ESLs workbook will be used for evaluating risk associated with residual chemicals in soil and groundwater after treatment.	RWQCB's values for Soil ESLs, Geoundwater ESLs, Indoor air ESLs and Soil gas ESLs will be compared with subject site residual chemical values before and after treatment. **Start date: April 15, 2016, and May 15, 2016.**	Residual chemical data will be used as input into RWQCB's ESLs workbook.	Results will show if ESLs is exceeded or not for soil's direct exposure,terrestrial ecology, leaching and ceiling value: Groundwater's drinking water, protection of aquatic habitats, groundwater indoor air,and ceiling value; Indoor air's health risk, odor threshold; soil gas health risk and odor threshold.

SITE CONCEPTUAL MODEL



1.0 SITE CONCEPTUAL MODEL

The conceptual site model (CSM) is a tool used as key principal base map depicting hypothesis and theory channeled towards holistic investigation and remediation to final closure/no further remediation. The CSM tool is updated as investigation and remediation progresses until chemical, physical and/or biological of concern are eliminated and/or reduced below regulatory standards. The Alameda County Environmental Health (ACEH) requests utilization of tabular formats to highlight the major CSM elements and other associated data gaps which need to be addressed to progress the site to case closure and highlight the identified data gaps and proposed investigation activities. ACEH request that the tables presenting the CSM elements, data gaps, and proposed investigation activities be updated as appropriate at each stage of the project and submitted with work plans, feasibility studies, corrective action plans, and request for closures to support proposed work, conclusions, and/or recommendations (H:ACEH/AA EXAMPLES-SAMPLE CORRESP FOR USE/SCM_Baseline Environmental Schedule Tables/SCM-Data Gap Work Plan Sample Table.docx).

The site conceptual model (SCM) (see Figure 4 for diagram), is based on the following exposure pathways: 1) Ingestion, dermal contact, and inhalation of soil and groundwater contaminants; 2) Ingestion and direct contact with surface and subsurface soil; 3) Inhalation of airborne contaminants in indoor and outdoor air originating from soil; and 4) Inhalation of indoor air contaminants originating from soil and groundwater contamination. The receptors include construction workers, and occupational workers. Assumptions applied to these pathways include: 1) pavement, concrete, buildings, and other existing cover could be removed to expose the underlying soil and 2) groundwater wells could be completed in the shallow aquifer underneath Elegant Cleaner and the water would be used as an untreated drinking water source. The deeper drinking water aquifers underlying Elegant Cleaner have not been evaluated and/or determined to be impacted by contamination above drinking water standards; however the potential exists that contamination could migrate downward into these deeper aquifers and adversely impact water supplies. There are no ecological habitats or ecological exposures at the Elegant Cleaner. The exposure pathways depicted in the SCM are discussed below.

As shown in the SCM, the following pathways for current and future receptors were considered complete based on the presence of all four pathways and the nature of Elegant Cleaner, as well as the assumption that pavement, concrete, buildings, and other existing cover could be removed to expose the underlying

soil **Ingestion and direct contact with surface soil** - (3 feet or less bgs) for on-site occupational workers, and shallow and deeper subsurface soils (0 to 15 feet bgs) for the hypothetical future on-site construction worker;
Inhalation of airborne contaminants in outdoor air - (VOCs and particulate matter from subsurface and surface soils) for occupational workers, and on-site construction workers;
Inhalation of indoor air contaminants in soil and groundwater - (particulate matter from surface and subsurface soils and VOCs from soils and groundwater) for indoor occupational workers; and
Ingestion, dermal contact, and inhalation of groundwater contaminants - for domestic usage (washing, bathing, laundry, etc.) and as a potable drinking water supply for potential on-site construction workers (i.e., untreated water supply).

The assumption that construction and occupational workers could be exposed to contaminated groundwater from Elegant Cleaner is highly conservative. Contamination at Elegant Cleaner has not affected drinking water sources in the Alameda area. There are currently no wells providing a drinking water supply from the shallow aquifer in the area of Elegant Cleaner. Also, regulations, such as the Safe Drinking Water Act, prohibit water purveyors from serving water contaminated in excess of drinking water standards (MCLs) to consumers.

2.0 PROJECT OBJECTIVE

The objective of the project is to further evaluate the extent and nature of soil and groundwater contamination at the subject site and implement insitu removal of dry cleaning products (PCE) in the environment. Analytical results from the vapor, soil, indoor air and groundwater investigation will be examined with respect to regulatory criteria and published guidelines. A previous soil and groundwater investigation (ENCON, ESA III Report, January 15, 2015), which included the installation of 3 monitoring wells, indicated low levels impact of groundwater and soil and vapor by PCE and its breakdown products. ENCON ESA III 2015, report.

2.1 SITE DESCRIPTION AND BACKGROUND HISTORY

The subject property is located at 1208 Lincoln Avenue, Alameda, California, in the partly commercial and residential area of the city of Alameda, California. The Property is a 5,500 square-foot irregularly shaped parcel that is developed with two-story 2,500 square-foot commercial building currently occupied by a dry cleaning business name Elegant Cleaner. The northern portion of the building's first floor features a main entrance door leading into a reception area and clothes racks. The southern portion features a large dry cleaning machine, storage and various pressers and dryers. The second floor is used as storage. There is an unpaved parking area at the southern end of the Property. Access to the Property is achieved from the north along Lincoln Avenue and southwest along Bay Street.

The Property was developed with the current site building in the late 1800s or early 1900s. The building was originally developed as a meat market and was occupied by a store until the mid-1900s. In the 1970s it was occupied by a general store, and in 1980 it was occupied by a pet store. The current occupant, Elegant Cleaners, began occupying the building in 1986. The dry cleaners upgraded to an eco-friendly dry cleaning machine (Appendix B) in 2005, which replaced the previous machine that used Tetrachloroethylene (PCE) (ENCON ESA III 2015).

The property on the east of the Elegant Cleaner is a two stories building used for church ministry, while the property on the west is the Faith Bible Church building. The Elegant Cleaner building toward the north is facing the Lincoln Road and the south side of the Elegant building is an open area. The second floor of the Elegant Cleaner building is the lunch area for the cleaner's staff.

2.2 GEOLOGY AND HYDROGEOLOGY

There are distinct hydrogeologic sub-areas in the Alameda Island. The Berkeley sub-area is a single hydrogeologic unit, containing numerous alluvial fan units. Individual wells provided water for most homes. There were no historic municipal well fields and no large-scale groundwater sources. The Oakland sub-area is filled with alluvial fan material. It contains two main aquifers, the Merritt Sand and the deeper gravels. Both were primary sources of groundwater for more than 60 years in the Alameda Island. A series of historical municipal well fields extended from the eastern end of Alameda, through the Oakland Coliseum, and mark a major hydrogeologic trend

The site is located within the Coast Ranges geomorphic province of Northern California. The Coast Ranges are characterized as parallel mountain ranges and valleys displaced by strike-slip earthquake faults. The site is underlain by Quaternary-aged beach and dune sand.

Alameda Island, once a peninsula that connected the cities of Alameda and Oakland, is composed of wetlands, lagoons, and several artificial bodies of water. The Oakland Estuary, also known as the Oakland Inner Harbor, was originally San Antonio Creek, whose branches extended into Lake Merritt in downtown Oakland and the Brooklyn Basin. The peninsula became an island when a shipping lane known as the Tidal Canal was dredged in 1901, turning San Antonio Creek into the Oakland Estuary. Freshwater creeks are not a part of the natural landscape of Alameda Island due to its flat topography and porous sand.

2.3 LOCAL GEOLOGY

The local geology as indicated from drilling program during previous site investigation showed shallow zone groundwater was first encountered at depths of approximately 10 to 15 feet bgs. Shallow Zone groundwater quality at the site has been partially investigated. The shallow zone groundwater gradients is 0.003 and the groundwater flow direction is defined as northwest at the site. The groundwater flow direction will be confirmed during remedial investigation and cleanup activities. The Shallow Zone hydraulic gradient at this part of Alameda has been reported as being relatively flat and may also be influenced by other groundwater extraction systems operating on nearby properties, dewatering and/or pumping. Some portions of the site are covered by buildings or paving that inhibits infiltration of rainfall except in the unpaved areas.

Based on Boring logs from site investigations, the soil predominantly consists of fill material overlying alluvial deposits. In the previous investigation report, the soil beneath the fill material was classified primarily as silts and silt sands (see Appendix D).

2.4 REGIONAL STRUCTURE

The regional tectonic features are shown on Appendix E and Appendix F. San Francisco Bay rests in the core of a broad Franciscan (basement) synform. The Hayward Fault and the San Andreas Fault form the current eastern and western boundaries of the synform. Both faults are major tectonic features, with the Hayward Fault separating Franciscan units (on the west) from Cenozoic units (on the east). Basement structural trends was reported to exert strong control over the initial depositional patterns, but their influence lessened as the basin filled. Several faults have been defined within the basin fill. The San Pablo fault in Richmond was identified as a possible fault by Tolman (1931), and it has appeared on California Division of Mines and Geology geologic maps of the area ever since. Wakabayashi and Hengesh (1995), showed a fault in the same location, but called it the Point Richmond Fault. The original Silver Creek fault in San Jose was mapped as a thrust by Crittenden (1951), who also suggested that it might continue north beneath the basin fill. The proposed fault was reported to extend from the original outcrop of the Silver Creek fault in San Jose, beneath the Santa Clara basin, and then north to the Coyote Hills in the Niles Cone. Based on additional gravity measurements, DWR (1967) refined the location of the northern end of the fault to one and on-half miles east of Coyote Hills. However, in 1975, DWR indicated that the Silver Creek fault was cut off by the Edenvale fault (also defined by gravity) just north of the Silver Creek area. They did not comment on whether or not they still believed that a buried fault still extended from the San Jose area north to the Coyote Hills area, but no fault was shown on

their regional fault trace map (DWR, 1975,). Both the Silver Creek and the San Pablo faults have been referred to by many subsequent workers, and claims have been made that they could be potentially seismically active. Except for a possible alignment of gravity features, there is no reported direct evidence for their existence or seismic activity.

2.5 REGIONAL STRATIGRAPHY

The depositional history of the San Francisco Basin has been well described in many previous studies (Rogers and Figuers, 1991, for example). The lower part of the San Francisco basin was reported to be filled with several hundred feet of continental alluvial fan/plain deposits (Santa Clara or equivalent units). Outside of their approximate thickness, little is known about those units. Seas then encroached into the bay, filling it with several hundred feet of an alternating sequence of estuarine and alluvial deposits of the Alameda formation. The more recent units have been named: Yerba Buena or Old Bay Mud, San Antonio, Merritt, Posey, Young Bay Mud, and Temescal. Many of these units have been given informal formational status, but it was reported that, their limited extent both in distance and in time indicates that they should be referred to as units or members rather than formations. Little information was reported about stratigraphic units within the San Pablo Basin. Information from the Richmond sub-area suggests that the stratigraphic units are similar to those found in the San Francisco Basin, but it appears that the marine units (Alameda formation) are thinner. It will require deep drilling in the central part of the basin to determine the nature of the units. It was reported that, all of the basins (Santa Clara, San Francisco, and San Pablo) developed contemporaneously and have a common depositional history, but there are a plethora of stratigraphic/hydrogeologic names. Several stratigraphic nomenclature changes are proposed. They are:

- The term Alameda Formation is restricted to the marine units beneath the bay (up to and including the Young Bay Mud). It does not include the alluvial fan units between the bay and the hills (bay plains).
- The Yerba Buena Clay (Old Bay Mud), San Antonio, Merritt, Posey, and Young Bay Mud are members within the Alameda Formation.
- The deeper continental section, identified as the continental Alameda by Rogers and Figuers (1991), is a combination/continuation of Santa Clara and Merced Formations (DWR, 1967; Brabb and Pamyeyan, 1983). Little is known about the nature of the deep units. (Only within the past year or so has this section been specifically sampled, as a result of the Caltrans borings along the San Mateo and Bay Bridges.)
- The deeper alluvial fan material along the east side of the bay has historically been mapped as part of the Alameda, San Antonio, or Temescal Formations. These units are reported to be equivalent in time, depositional environment, and lithology with the Santa Clara and/or Merced Formations. Correlations have not

yet been made, but it was suggested that these units are outcrops of the Santa Clara (and possibly the Merced) Formation. DWR (1967, p. 21) recognized this equivalence, but continued using the traditional names. The Santa Clara, San Francisco, and San Pablo basins were reported to be formed and filled in similar (if not identical) tectonic and stratigraphic environments. However, they are reported to have been viewed as separate features, with each side of the basin being viewed as independent. Here are the following stratigraphic nomenclature reported: *Temescal* - The Temescal is reported as an early Holocene alluvial unit deposited along the east side of San Francisco Bay. It was reported that, the unit varies from 1 to 50 feet thick, thinning towards the bay, and consist primarily of silts and clays, but near the bay it was reported to contain graded sequences upwardly fining to clay. In the vicinity of Alameda Island, it was reported that, the base of the unit is a layer of gravel with cobbles up to 8 inches thick.
Young Bay Mud - The Young Bay Mud was reported as the estuarine mud being deposited today in San Francisco Bay, as black, unconsolidated, saturated, organic rich clay, containing occasional gravel and sand layers, shell fragments/layers, peat, and organic debris. It was reported to range in thickness between 50 to 75 feet, but can be up to 150 feet thick in channels. It was reported to cut into the San Antonio/Merritt Sand during the late Wisconsin glacial stage.
San Antonio/Merritt/Posey - The San Antonio (first defined by Lawson, 1914) was reported as a sequence of alluvial fans (0 to 120 feet thick) deposited between the Young Bay Mud and the Yerba Buena Mud. The lower San Antonio was reported to contain Franciscan pebbles, suggesting that it derived from the Berkeley Hills. As with all alluvial fan deposits, it contains a wide variety of lithologies, ranging from stream deposits to flood plains to lakes and swamps. It was reported that, the Merritt and Posey are considered facies within the San Antonio unit. Both Lawson (1914) and Trask and Rolston (1951) identified an erosional surface between the San Antonio and the Posey. Lawson kept the Posey as part of the San Antonio, whereas Trask and Rolston created a separate unit. The Merritt Sand (0-60 feet thick) was defined as a fine grained, well sorted, aeolian sand deposit on Alameda Island and western Oakland. It was reported to be deposited contemporaneously with the upper San Antonio/Posey.
Yerba Buena Mud (Old Bay Mud- This unit was originally called the Old Bay Mud (Trask and Rolston, 1951) until it was renamed the Yerba Buena Mud by Sloan (1981, 1990). It is said to be a widespread, homogeneous estuarine mud deposited approximately 115,000 years ago. Like the Young Bay Mud, it is reported to be initially deposited within earlier stream channels and consists of an over-consolidated black, organic rich clay. It averages 25 to 50 feet thick, and typically has a gravel/sand/shell layer in the middle part of the unit.
Alameda formation - This is reported to be the main basin-filling unit (originally defined by Lawson, 1914), varying in thickness from 100 feet near Richmond to more than 400 feet near the San Mateo Bridge. It has been defined in the central part of the basin, but has not been defined along the margins of the basin. It is reported that, the Alameda formation is restricted to the sequence of estuarine

muds separated by alluvial fan deposits and includes the Yerba Buena, San Antonio, Merritt, and Posey. The estuarine units were first identified by Atwater (1979). Below it are the continental units of the Santa Clara/Merced formations (300-600 feet thick). They consist of alluvial fan units interfingered with lake, swamp, river channel, and flood plain deposits.

2.6 REGIONAL GROUNDWATER AQUIFERS

The wells of the east bay region were reported to draw water from three separate zones or aquifers lying at varying depths below the present ground surface, each zone or aquifer being distinct in manner and age of deposition, source of water, transmission of ground water, and quantity of ground water in storage, but these characteristics were reported to vary in the aquifers locally from the Alameda south to Irvington, as follows: 1) The deep or lowest zone comprises of more or less stratified alluvial deposits as subsidence proceeded the alluvium became buried by a fine silt laid down in the sea water which entered and covered the land. This silt covering now lies as impermeable clay, sealing the aquifer. The wells of depths greater than 280 feet penetrate this zone, the source of the ground water which now penetrates the deep zone is said to be principally that external water which seeps into the Santa Clara Valley and is transmitted northerly at depth. 2) The intermediate zone - is unlike the deep zone in character in that it is not stratified and varies in composition and method of deposition locally. San Leandro and San Lorenzo creeks built up short debris cones near their debouchures, dropping their heavier load, and carrying the lighter sand and silt to the bay through channels in the bay clays similar to those that exist at present in the salt marsh. It was reported that these channels were left, with the shifting of the stream, as stringers of open porous material in a matrix of fine clay. With recurrent submergence the sea encroached upon the porous materials, to a limited extent, leaving blankets of clay within the zone. The depth of the intermediate zone varies from 50 to 300 feet. The intermediate zone varies in character with different localities. In the Niles cone, the zone consists of a buried mass of detrital material laid down by Alameda Creek - lenticular bodies of gravel, sand, and stream deposited silt - with but few and relatively thin tongues or blankets of marine clay. In the San Leandro and San Lorenzo Cones it consists of isolated stringers of sand and gravel enclosed in a matrix of marine clay as well as some shallow thicknesses of buried alluvial debris cones. It was reported that, the source of water of the intermediate zone varies in each cone. The Niles cone intermediate zone materials were reported to be in direct contact with and a continuation of the materials which lie at the apex of the cone and extend to the present surface. The intermediate zone materials of the two northerly cones are imperfectly connected with their apexes and intercommunication between water yielding stringers is imperfect. These stringers were reported to contain much water but when drawn upon the ground water moves slowly towards areas of depletion and replenishment is meager. 3) Shallow or surface zone were said to

be made up by the recent alluvial cones of Alameda, San Lorenzo and San Leandro Creeks which coalesce with one another and with the limited cones of small intervening drainage area. The deposits are unconsolidated, porous and permeable, and absorb the water falling upon or flowing over their surfaces. [they were deposited] subsequent to a blanket-like clay body sealing the [intermediate] zone. This zone still is said to be in the course of active aggradation. With few exceptions, there is no transmission of ground water from one zone to another, in a state of nature. Draft upon the deep zone does not affect the ground water supply of the upper zones except where some deep well may be perforated at upper levels and allow drainage of water from upper levels down its casing." (Forbes, 1925 and S. Figuers 1998)

2.7 SURFACE AND SUBSURFACE FEATURES

The drycleaner equipment are located toward the back of the building boundary. The chemical drums storage area is at the southern property boundary. The lateral sewage line is in the southern portion of the property.

The subsurface shallow aquifers beneath the site consist of alluvial deposits of silts and silt sands to a depth of approximately 8 to 9 feet, and a dense sand to a depth of approximately 18 to 19 feet. The aquifers are located between layers of overburden low to silty sand from 13 feet to the depth of 20 feet.

There are no known areas of archaeological or historical features at the Elegant Cleaner site.

The local geology as indicated from drilling program during previous site investigation showed shallow zone groundwater was first encountered at depths of approximately 8 feet bgs. Shallow Zone groundwater quality at the site has been partially investigated. The shallow zone groundwater gradient is 0.003 and the groundwater flow direction is defined as northwest at the site. The groundwater flow direction will be confirmed during remedial investigation and cleanup activities. The Shallow Zone hydraulic gradient at this part of Alameda has been reported as being relatively flat and may also be influenced by other groundwater extraction systems operating on nearby properties, dewatering and/or pumping. Some portions of the site are covered by buildings or paving that inhibits infiltration of rainfall except in the unpaved areas.

Based on Boring logs from site investigations, the soil predominantly consists of fill material overlying alluvial deposits. In the previous investigation report, the soil beneath the fill material was classified primarily as silts and silt sands (see Appendix).

2.8 RI SAMPLING STRATEGY

A Phase III Environmental Site Assessment was prepared by ENCON Solutions, Inc. (January 14, 2015), for the subject property located at 1208 Lincoln Avenue. The subject property is located in a downgradient groundwater flow direction (northwest). The subsurface investigation report indicated that dry cleaning fluid PCE were detected at low concentration levels of 29 ug/L, this level is below one order of magnitude of PCE MCLs for groundwater. Shallow and deep groundwater aquifers sampling is recommended at the **primary source areas and around northwest groundwater flow direction (7nos see figure), starting on January 30, 2016 (see FIGURE 3A for sampling locations).** Groundwater monitoring will continue for one year to evaluate effect of remediation program for the Elegant Cleaner. Three more wells will be installed in the deep zone to characterize the deep zone.

PCE level in vadose zone subsurface was measured at a maximum level of 22480 ug/m3 beneath the Elegant Cleaner property. A soil vapor monitoring program will be implemented inside the building and around the source areas. Four more soil vapor wells in addition to the existing 6 soil vapor wells will be monitored starting on February 30, 2016 (see FIGURE 3B). More soil vapor wells will be installed along sewer pipelines.

The indoor air quality was reported to be degraded by PCE inside the building from south (1.0 ug/m3) to north (0.35 ug/m3). Regular monitoring of indoor air quality will be implemented and a mitigation approach will be recommended, starting from February 30, 2016.

The site history report from Environmental Record Search indicated that chlorinated solvents have been detected in soil vapor in the area of a historical dry cleaning operation at the site and that further investigation of the extent of the chlorinated solvents will be required.

Based on the conclusion of the subsurface investigation report prepared by ENCON Solutions, Inc. (January 14, 2015), for the property located at 1208 Lincoln Avenue, Alameda the ACEH Department staff (ACEH , letter dated May 29, 2015), requested for the following: a – usage of the second story of the dry cleaner building and adjacent building,
b –figures must be to scale and have a scale bar,
c – soil collection and analysis from depths less than 5 feet and within the 5 to 10 feet intervals, capillary fringe, saturated zone, stained intervals, areas with elevated photoionization detector readings, and bottom of soil borings and suspected PCE high use areas and areas of documented elevated soil vapor concentrations.

d – For groundwater, collect soil samples at or just above the soil – water interface and the bottom of the boring, determine the vertical and horizontal extent of VOC impact at the site and include PID readings at the corresponding depths on all future boring logs.
e – analyze for the"Eco-Friendly" hydrocarbon chemicals in soil samples a minimum of one time.
f – turn off HVAC during indoor air sampling event, to represent a worse case scenario consistent with Department of Toxic Substances Control (DTSC) Guidance document, the October 2011 Guidance for evaluation and mitigation of Subsurface Vapor intrusion to indoor air, and determine the sampling procedure used during the August 2014 event.
g – map out the locations of the old dry cleaner machines and associated dry cleaner components

A soil and groundwater site investigation report will be prepared by DDEE to determine presence of residual chemicals, specifically PCE and its degraded products, and new "Eco Friendly" dry cleaning chemical (DF 2000 Fluid). These chemicals are products of drycleaner reagents used at the site. The soil and groundwater investigation report will involve the following work items:

- Drilling 7 soil borings (MW4 to MW10) within the shallow zone and 3 soil borings (MW11 to MW13) within the deep zone at the site. Soil boring MW4 to MW10 will be drilled to 20 feet below ground surface (bgs) at the location of the dry cleaning machine, the chemical drums storage area and the presumed direction of a lateral sewer line, and the samples will be analyzed up to 20 feet bgs. Soil borings MW11 to MW13 will be drilled to 40 feet bgs at the location outside the plume area for determination of deep zone aquifer characterization..
- Collecting and analyzing 56 soil samples and 3 groundwater samples for the shallow zone. 3 groundwater samples and 36 soil samples will be analyzed for the deep zone.
- 3 Soil vapor sampling locations in addition to the existing 6 locations will be installed and used for soil vapor monitoring.
- One additional sub slab vapor sampling location will be installed and used for vapor monitoring.
- 7 air sampling locations will be added to the 3 other locations sampled in 2014 (see figure) .

The laboratory analytical results obtained from testing soil and groundwater at the site indicate that PCE and TPH are present at the site (see Appendix for chemical data analyzed in 2014 by ENCON and risk evaluation by DDEE based on previous investigation).

A remedial investigation report (RI) will be prepared by DDEE to determine the lateral and vertical extend of contamination of PCE and its breakdown products

in subsurface soil. Soil samples collected and analyzed from areas where PCE and its breakdown products were detected above its Environmental Screening Levels during site investigation at the site will be targeted for oxidation reduction treatment using the Fenton method.

The chemical analytical results obtained from the remedial investigation will be utilized to delineate zones of contamination with PCE above its ESLs.

2.9 KNOWN AND SUSPECTED SOURCES OF CONTAMINATION

The known sources of contamination are (1) the location of the lateral sewer line, and (2) the location of the drycleaner's chemical drums storage area. The only suspected source of contamination is area below the building structure at the location of the drycleaner machine equipment. Other suspected sources of contamination may be located at the Elegant Cleaner site.

3.0 TYPES OF CONTAMINATIONS AND AFFECTED MEDIA

The main type of contaminations found in soil is from PCE, the drycleaner chemical constituent used by the Elegant Cleaner for cleaning. The PCE isless than one order of magnitude of its MCL in groundwater. The affected media at the Elegant Cleaner are the subsurface soil and groundwater. This contaminated subsurface soil has PCE concentrations below and above its ESLs. The subsurface soil area with PCE concentration levels above its ESLs will be delineated in the RI report and will be recommended for remediation to remove the potential threat to human health and the environment.

4.0 CURRENT AND POTENTIAL FUTURE SITE USES

The site is currently used by Mr. Reza Sheikhai for commercial purposes as a drycleaner center for the Elegant Cleaner. The potential future site use is for commercial purposes.

5.0 HUMAN HEALTH RISK/ECOLOGICAL RISK

Protection of the Human Health and the Environment

The selected remedy, oxidation – reduction chemical reaction of the Fenton's reaction method which breaks down PCE to carbon dioxide and water will protect human health and the environment through the treatment of PCE contaminated soil. The treatment of the PCE contaminated soil by injecting reductive chemical agents to PCE source areas, including areas underneath building structure will protect environment. Treatment of PCE soil contaminants eliminates the potential

for migration to groundwater and the threat of indirect on-site and off-site exposures via ingestion of contaminated groundwater. The selected remedy for treatment of PCE in soil will reduce contamination so that the groundwater will meet the protective state and federal drinking water standards. The risks from PCE soil exposure will be reduced to within the regulatory target carcinogenic risk range of 10e-04 to 10e-06 and the noncarcinogenic risk (HI) to less than 1.0

6.0 FIELD QUALITY ASSURANCE/QUALITY CONTROL

The following equipment calibration procedure and field documentation procedures will be implemented by DDEE field personnel.

6.1 SAMPLE IDENTIFICATION

Soil samples collected in the field will be labeled according to standard protocol, as described in Appendix A.

6.2 CHAIN-OF-CUSTODY PROCEDURES

Chain-of-Custody records will be used to document sample handling and shipping procedures. Chain-of-Custody records will trace the samples from collection, through any custody transfers to the analytical laboratory. Information recorded on the Chain-of-Custody records will include location of sample collection, sample identification, number, date and time of collection, number and type of sample containers, and analyses requested. The shipping conditions will also be described on the Chain-of-Custody records. The name of the sampler(s) as well as the name of the person relinquishing the samples will be documented. Chain-of-Custody procedures are described in Appendix A.

6.3 FIELD INSTRUMENTS

An organic-vapor analyzer (OVA) will be used in the field for health and safety monitoring, as well as site assessment purposes. An OVA will be calibrated prior to arrival at the site using a reference calibration gas. Calibration gas is pre-bottled by a laboratory supply house and has a listed calibration value in parts per million for each specific gas.

The following list of instruments will also be used in the field for gas vapor sampling:

GAS — MiniRAE 3000 PID Monitor, this is an advanced portable handheld volatile organic compounds (VOCs) monitor. It includes three seconds response time,

extended range of 0.1 to 15,000 ppm, humidity compensation, a large display for easy viewing and numerical and graphical readout.

Sub-slab GVP Kit (gas vapor probe) – use to sample for VOCs beneath floor slabs and for vapor intrusion investigations. It is designed to allow repeated sampling over time so as to assess the potential of contaminated vapor intrusion beneath the floor slab of a building. The GVP Kit use an electric rotary drive hammer and GVP drive extentions to insert a stainless steel GVP tip to desired sampling depth. Fluoropolymer tubing is attached to a barb fitting on the GVP tip to remote sampling from the surface.

7.0 SITE INVESTIGATION REPORT PREPARATION

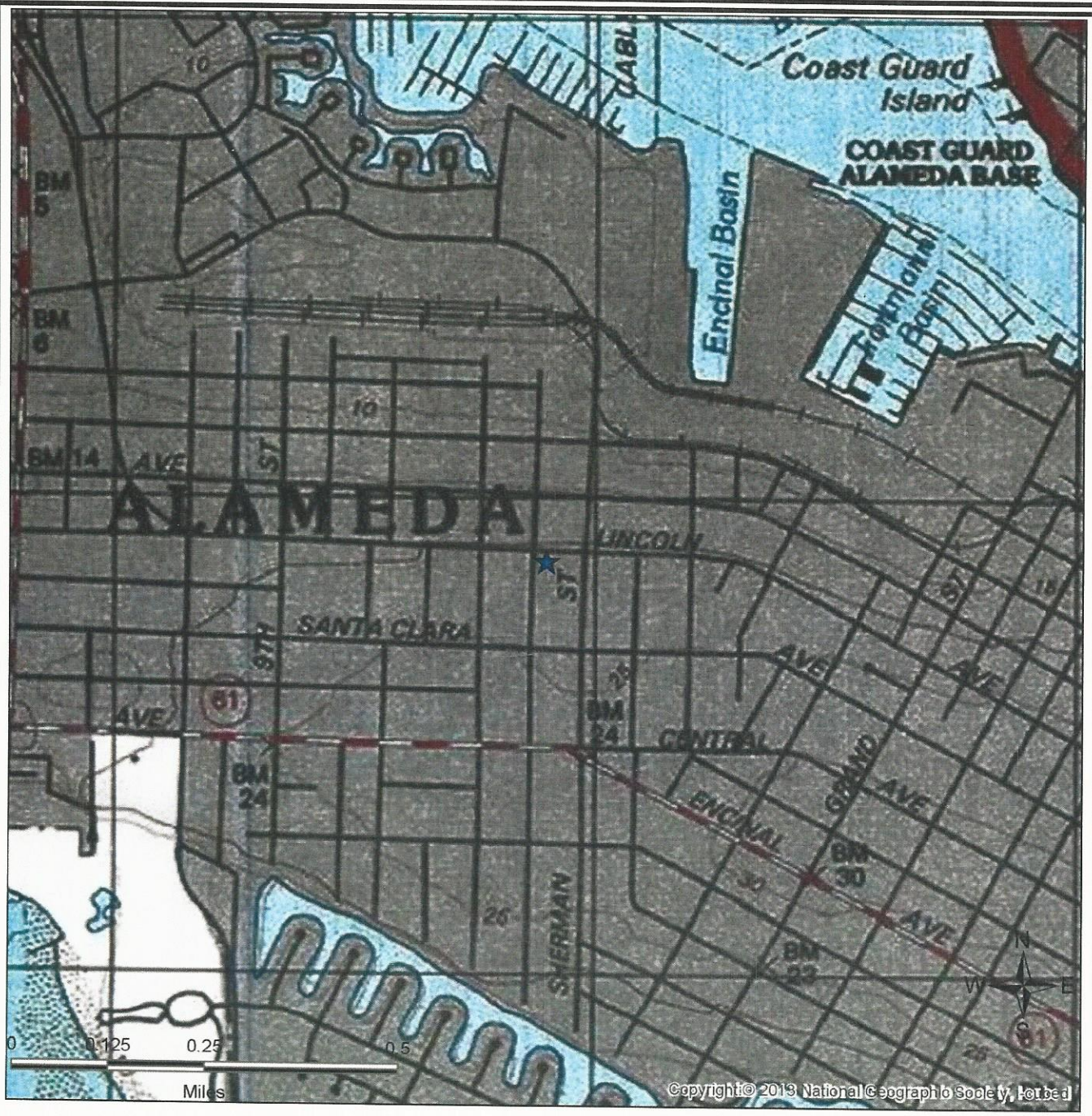
Upon completion of the field activities described in this Workplan, a report will be prepared presenting the investigative methodology implemented, findings, and conclusions for the subject site. The report will include the following elements:

- Title sheet,
- Signature page,
- Table of contents,
- Investigative summary,
- Introductory narrative of the project,
- Investigative methods,
- Investigative results and field observations,
- Data evaluation and discussion,
- Figures,
- Summary table (s) indicating laboratory results,
- Contaminant concentrations, analytical methods, and detection limits,
- Copies of original laboratory documentation,
- Field procedure forms, and chain-of-custody records,
- Conclusions, and
- Recommendations.

FIGURES

FIGURE 1

SITE LOCATION TOPOGRAPHIC MAP



SITE LOCATION TOPOGRAPHIC MAP

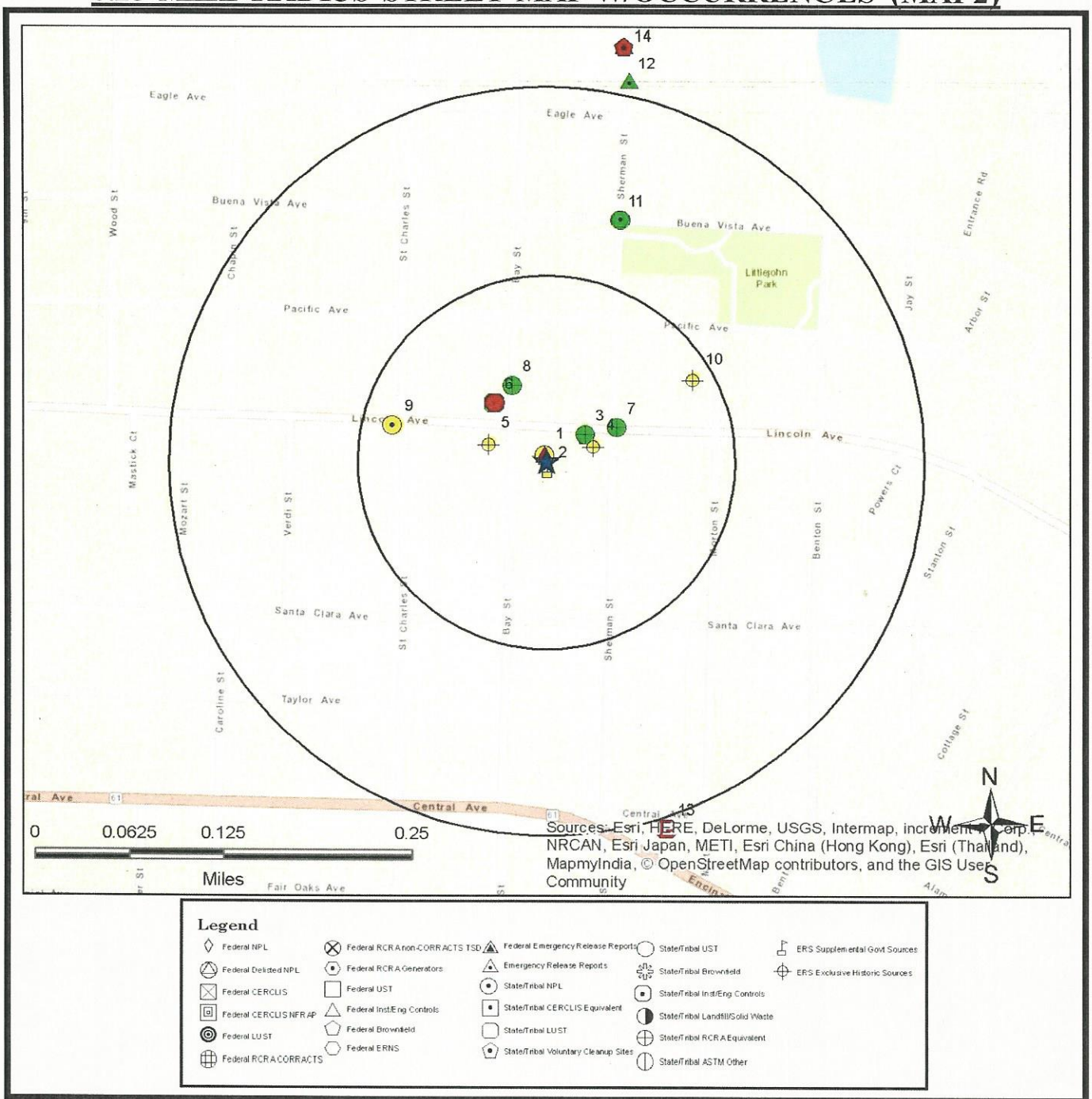
U.S. Geological Survey. Oakland West Quadrangle, 7.5 Minute Series

DDEE	1208 Lincoln Avenue Alameda, CA	FIGURE: JOB: DATE:	1 12/3/2015

FIGURE 2

0 . 25 - MILE RADIUS STREET MAP WITH UNAUTHORIZED CHEMICAL RELEASE OCCURRENCES

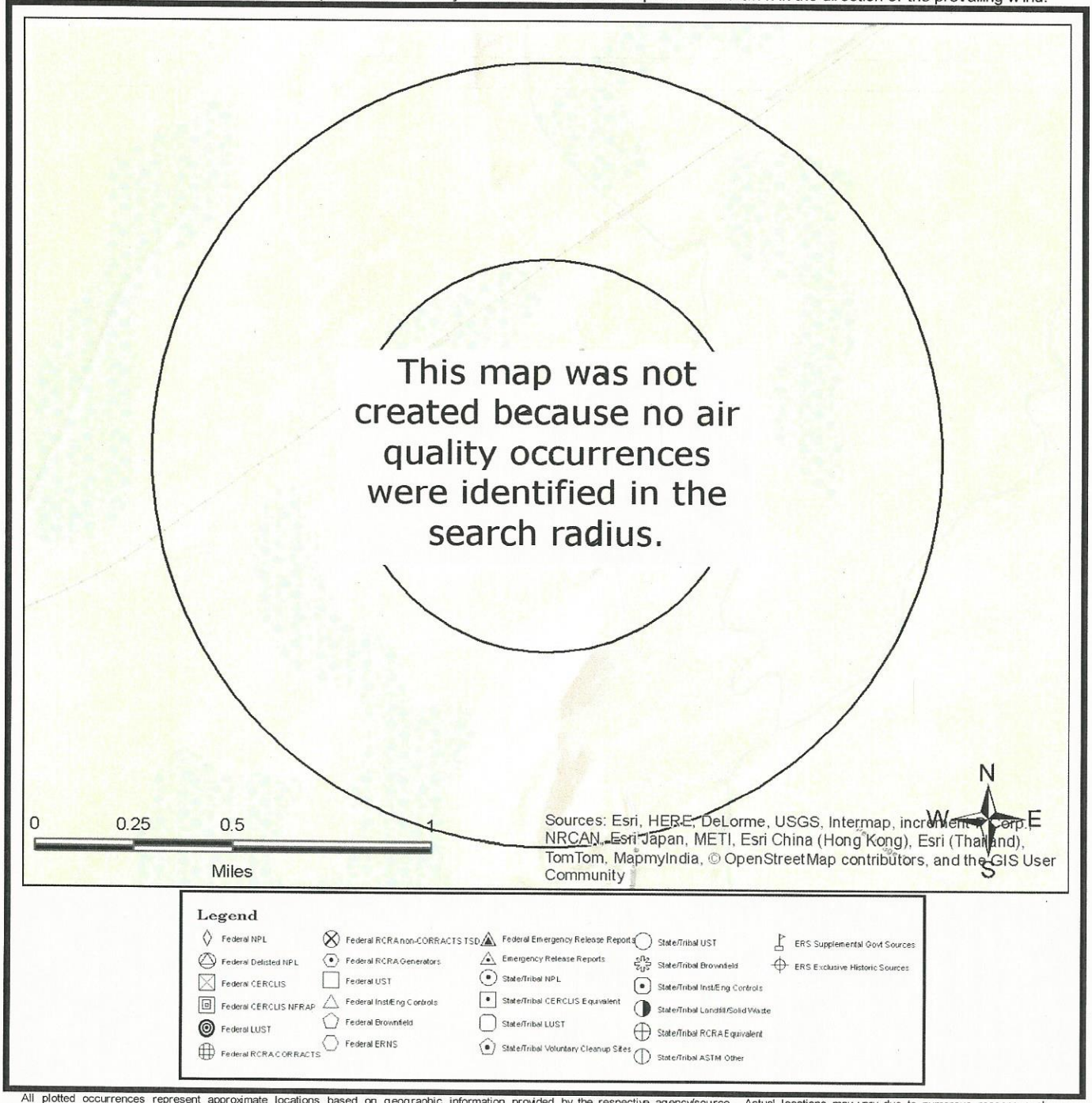
0.25-MILE RADIUS STREET MAP W/OCCURRENCES (MAP2)



All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc. **Occurrences are shown in three colors** to give a visual indication of the potential risk of the listed occurrence based on the type of list and the current status of the occurrence. Occurrences shown in **RED** are locations with known contamination that have not received a "case closed" or "no further action" status. Occurrences shown in **YELLOW** have been listed by the respective agency, but do not always represent an environmental risk. The detailed status information and description of the listing should be reviewed for further information. Occurrences shown in **GREEN** are occurrences that have active permits or have had contamination in the past but have received a "case closed" or "no further action" status and therefore, do not likely present an environmental risk.

MAPPED AIR PERMITS WITH POTENTIAL DISPERSION (MAP5)

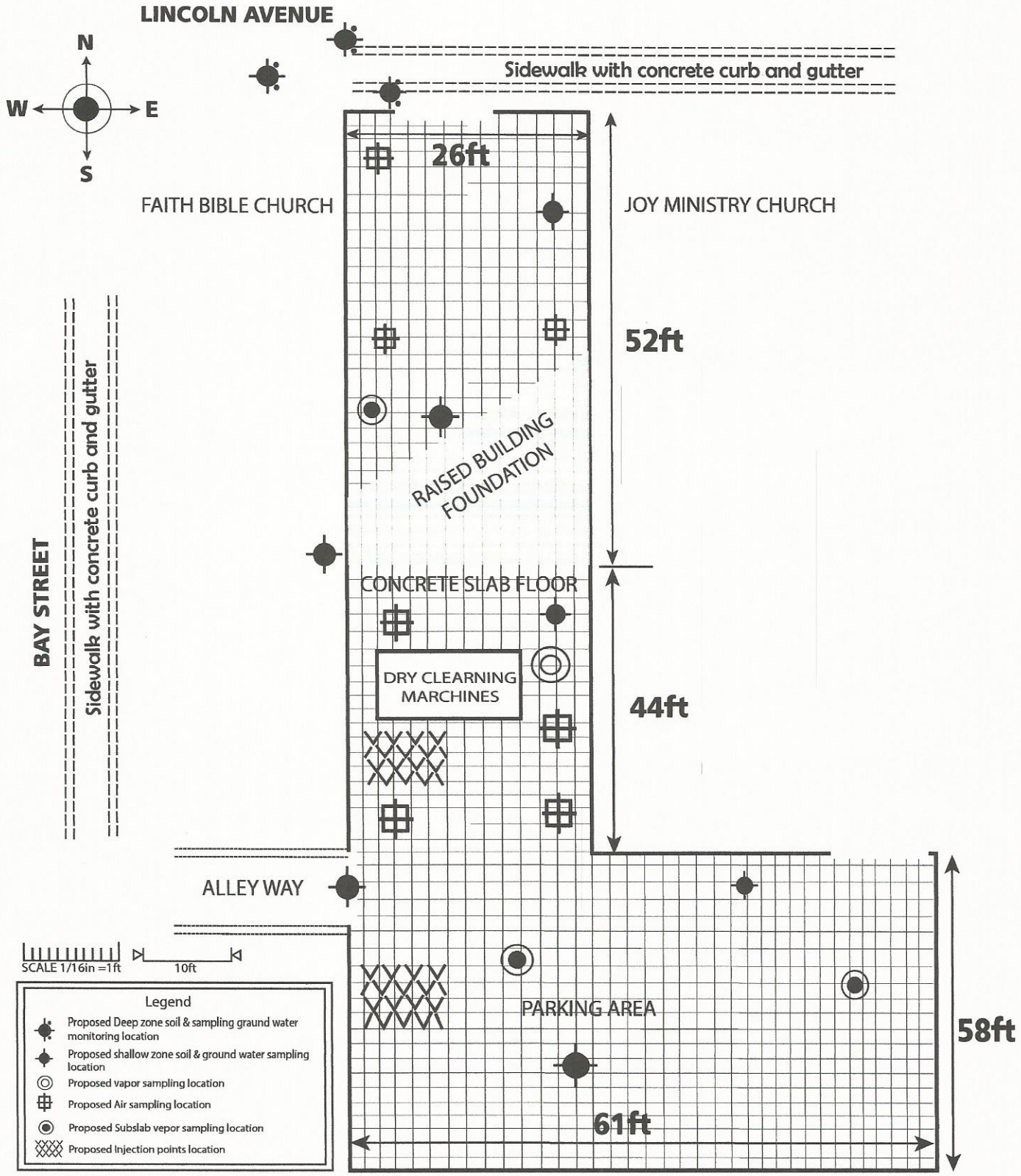
Note: Occurrences on this map are reported in Air Quality databases. Potential air plumes are drawn in the direction of the prevailing wind.



All plotted occurrences represent approximate locations based on geographic information provided by the respective agency/source. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc. Potential air dispersion plumes are depicted to graphically show the direction contaminates may travel based on prevailing wind data and provide a visual screening tool only. Actual direction will vary especially by season. Depending on the actual contaminate, amount released, and other variables, the distance from the source the contaminate may travel can and will vary. Interpretation and review of all the actual relevant data by an environmental professional is recommended before making any decisions, conclusions or otherwise based on the map depictions, air data, and potential air dispersion plumes.

FIGURE 3A

FLOOR PLAN SKETCH SHOWING DDEE's PROPOSED SAMPLING LOCATIONS (2016)



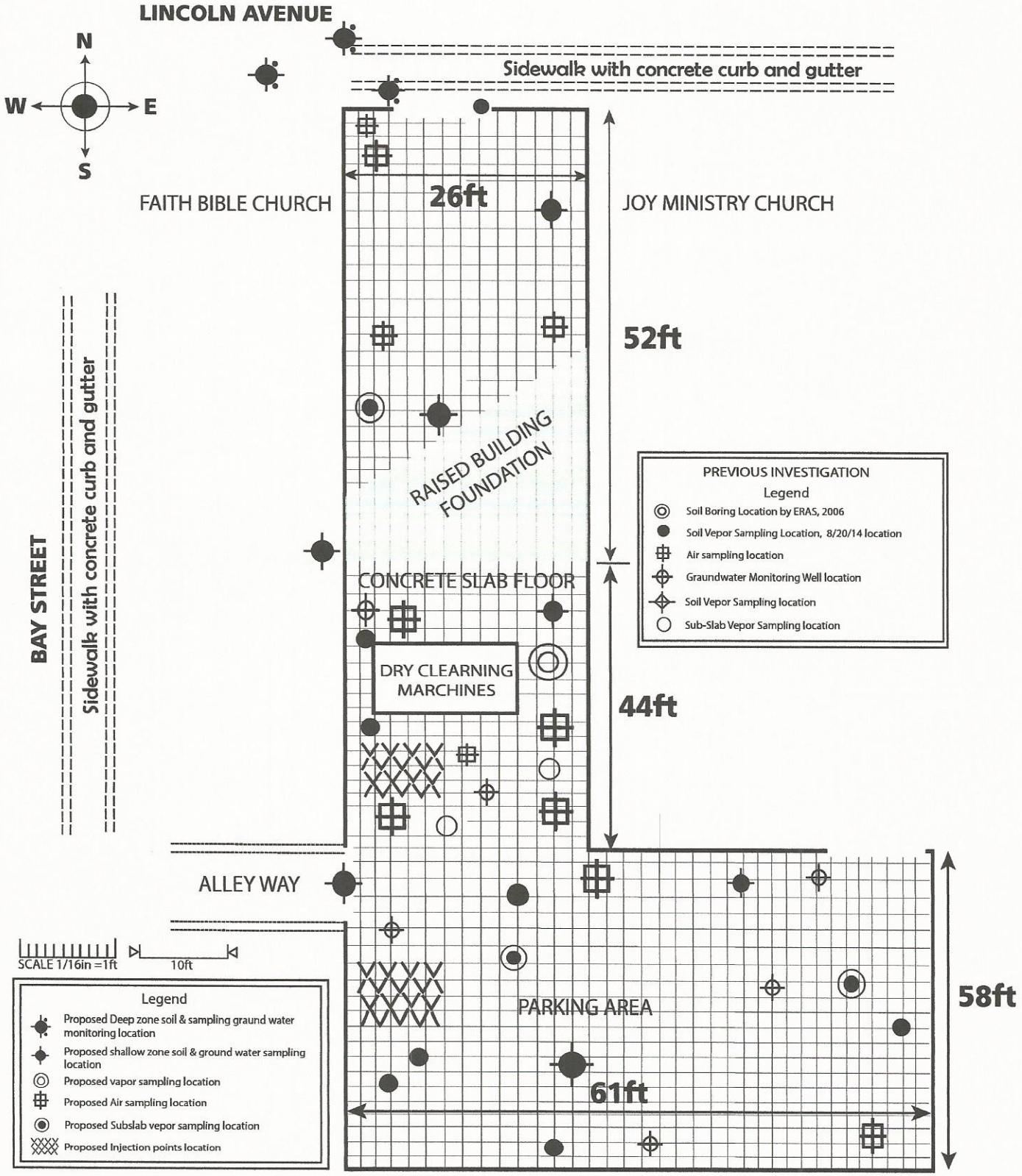
FLOOR PLAN SKETCH SHOWING DDEE's PROPOSED SAMPLING LOCATIONS (2016)

FACILITY NAME: ELEGANT DRY CLEARNING

ADDRESS: 1208 LINCOLN AVENUE, ALAMEDA CA 94501

FIGURE 3B

FLOOR PLAN SKETCH SHOWING SAMPLING LOCATIONS 2014 AND 2016



FLOOR PLAN SKETCH SHOWING SAMPLING LOCATIONS
FACILITY NAME: ELEGANT DRY CLEARNING
ADDRESS: 1208 LINCOLN AVENUE, ALAMEDA CA 94501

FIGURE 4

SITE CONCEPTUAL MODEL

SITE CONCEPTUAL MODEL

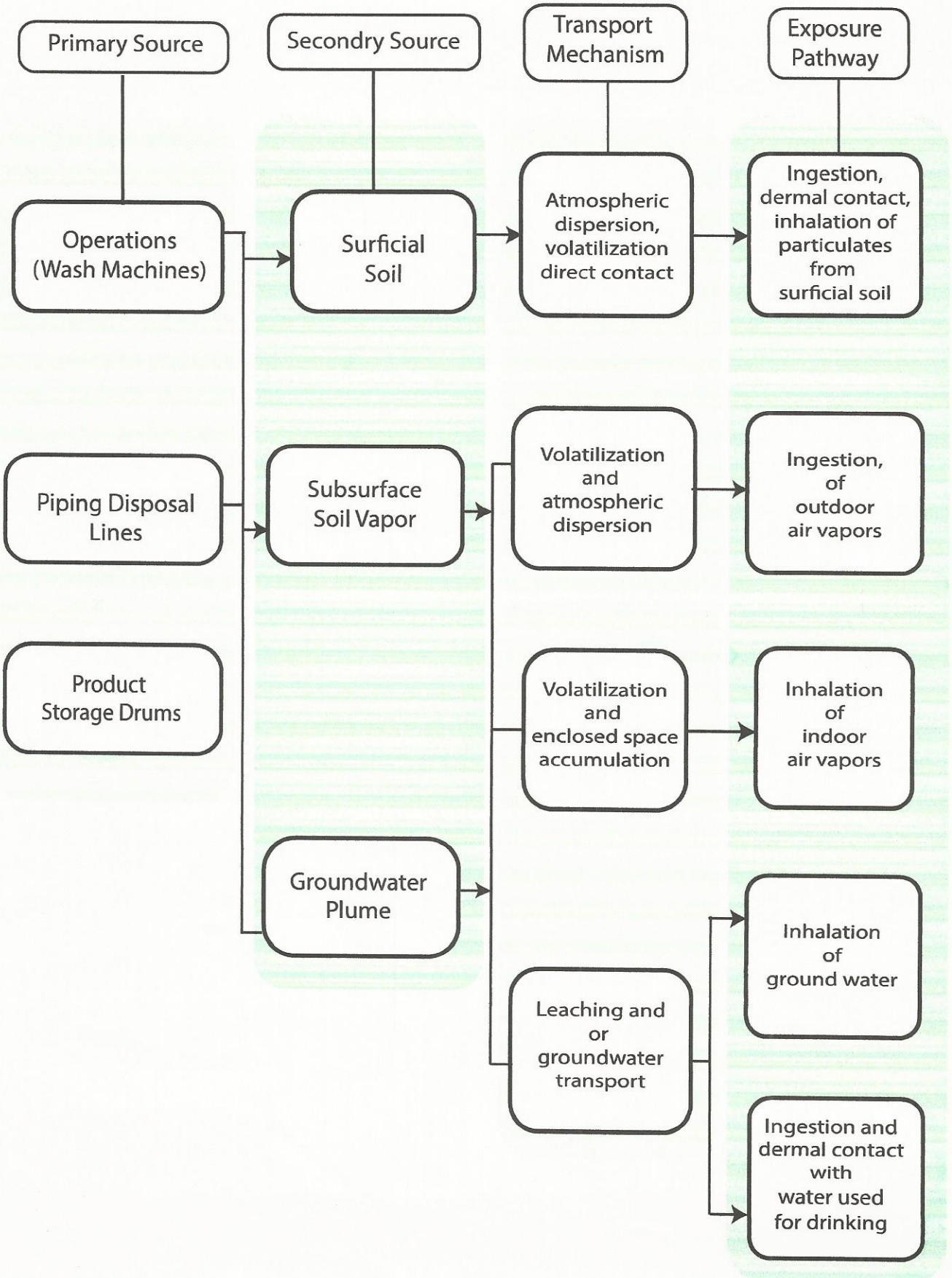


FIGURE 5

GROUNDWATER ELEVATION CONTOUR
SHALLOW ZONE (2014)

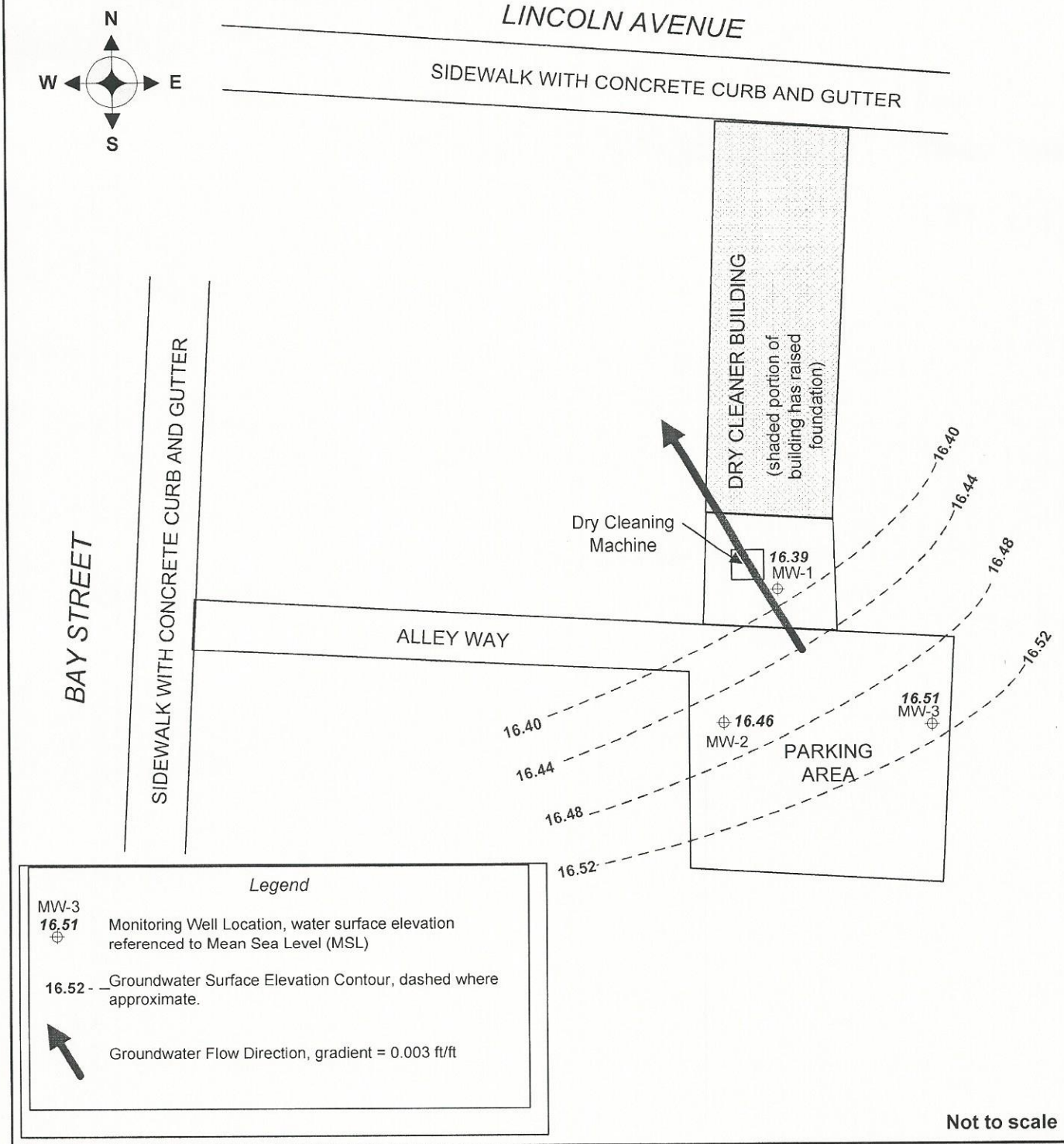


FIGURE 5

Groundwater Surface Elevation Contour Map

ENCON Solutions, Inc.
Environmental Consulting & Real Estate Due Diligence

SITE ADDRESS: Elegant Cleaners

1208 Lincoln Avenue, Alameda, CA 94501

APPENDICES

APPENDIX A

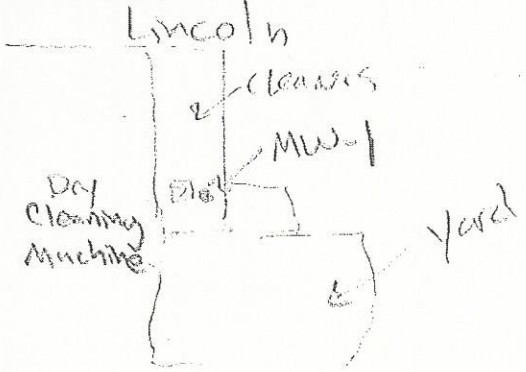
BORING LOGS - 2014

BORING LOGS AND WELL DESIGN 2014

Encon Solutions, Inc.

Field Boring Log Sheet 1 of 2

Location of Boring:



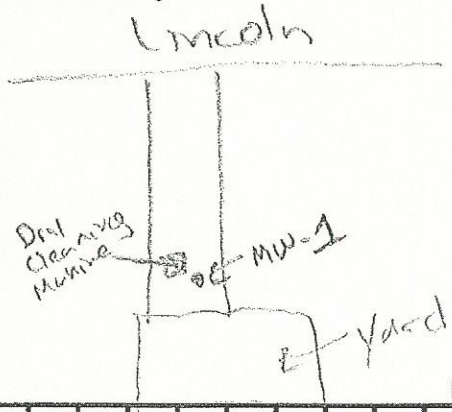
Project: Elegant Cleaners, Alameda		Boring No. MW-1	
		Total Depth: 15'	
Job No. 1410097ESAIII		Logged by: C. Olson	
Drilling Contractor: ECA			
Drill Rig Type: Dolly - Direct Push			
Drillers Name: Brent			
Sampling Methods: Acetate Liner			
Hammer WT. N/A		Drop N/A	
Start Time 10.00		Date	
Completed Time 11:30		Date	
Boring Depth:	15'	Screen	7'-15'
Casing Depth:	15'	Sand 2/12	5'-15'
Water Depth:	~9'	Bentonite	2'-5'
Time:	10:15	Grout	0-2'
Date:	11/12/13		3/4" well 2". Boring
Backfilled Time: —	Date: —	By: —	
Surface Elev: ~	Datum: —		
Conditions: —			

Depth (feet)	Type	Blows	Driven (inches)	Received (inches)	Condition	Time		Hydrocarbon Stain	Depth (feet)	
0'	FF		48"	40"		1010		no	1.0	Fill 0-2"
2'	SP								3.0	SP - poorly graded sand, lt. olive brown (2.5Y 5/4), dry, loose
4'	SP		48"	36"		1025		no	5.0	SP - poorly graded, dk yellowish brown (10YR 4/6), dry, med dense, trace silt
7.0	SM			1/					7.0	SM - silty sand, dk yellowish brown (10YR 4/6), damp, med dense
			48	13"				no	9.0	SM - Same as above, wet
									10.0	SM - Same as above, increasing silt

Encon Solutions, Inc.

Field Boring Log Sheet 1 of 2

Location of Boring:



Project: Elegant Cleaners, Alamead		Boring No. MW-1	
		Total Depth: 15'	
Job No. 1410097ESAIII	Logged by: C. Olson		
Drilling Contractor: ECA			
Drill Rig Type: Dolly - Direct Push			
Drillers Name: Brent			
Sampling Methods: Acetate Liner			
Hammer WT. N/A		Drop N/A	
Start Time 10.00		Date	
Completed Time 11 30		Date	
Boring Depth:	15'	Screen	7'-15'
Casing Depth:	15'	Sand 2/12	5'-15'
Water Depth:	~9'	Bentonite	2'-5'
Time:	10.15	Cement	0'-2'
Date:	11/12/13		
Backfilled Time: —	Date: —	By: —	
Surface Elev: —	Datum: —		
Conditions: —			

Depth (feet)	Type	Blows	Driven (inches)	Received (inches)	Condition	Time		Hydrocarbon Stain	Depth (feet)	
10	SM			33"		1135		ND	10.0	SM – Same as above, less silt very wet
13	SP								13.0	SP – Poorly graded sand, dk yellowish brn (10YR 4/4), med dense, wet
									15.0	End Boring @ 15'
									17.0	
									19.0	
									20.0	

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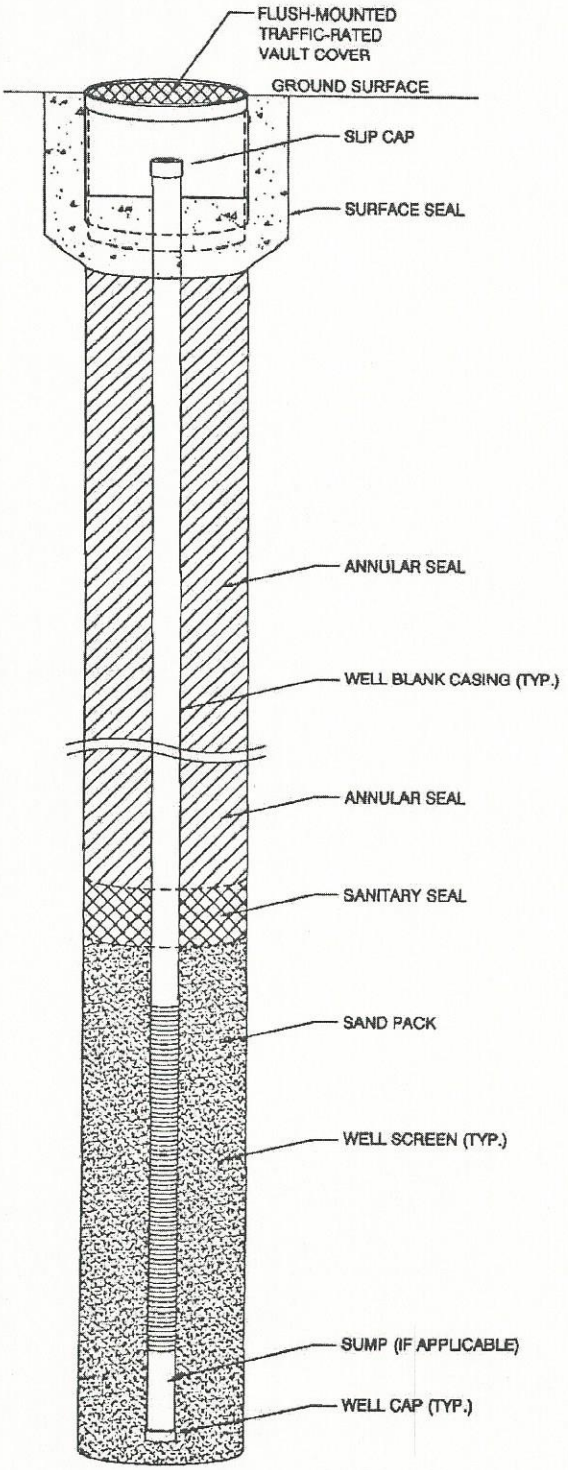

TOTAL DEPTH OF BOREHOLE 15'

SURFACE SEAL INTERVAL	0" - 3"
TYPE OF SURFACE SEAL	concrete cap
ANNULAR SEAL INTERVAL	3" - 2'
TYPE OF ANNULAR SEAL	neat cement
SANITARY SEAL INTERVAL	2' - 5'
TYPE OF SANITARY SEAL	bentonite
DIAMETER OF WELL CASING	3/4"
TYPE OF WELL CASING	PVC
SAND PACK INTERVAL	5' - 15'
TYPE OF SAND PACK	# 2/12
SCREEN INTERVAL	7' - 15'
DESCRIPTION OF SCREEN	0.010" - slotted
DEPTH OF WELL	15.0'
DIAMETER OF BOREHOLE	2"
DEPTH OF BOREHOLE	15.0'

MW-1

SITE ADDRESS: 1208 Lincoln Ave, Alameda CA

FIGURE:

PROJECT: Elegant Cleaners

DATE:

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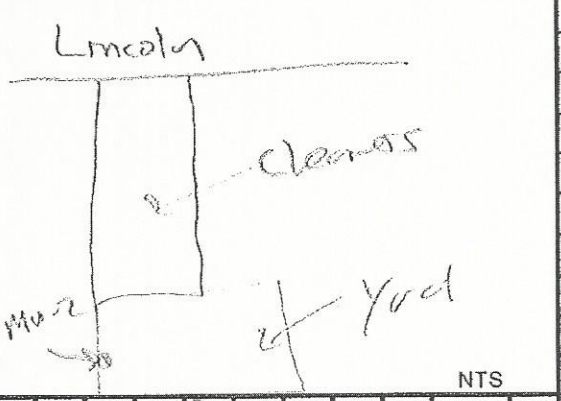
Field Boring Log Sheet 1 of 2

Location of Boring:



Project: Elegant Cleaners, Alameda		Boring No.	MW-2
		Total Depth:	20'
Job No. 1410097ESAIII	Logged by: C. Olson		
Drilling Contractor: ECA			
Drill Rig Type: HSA			
Drillers Name: John + Jesse			
Sampling Methods: Split Spoon			
Hammer WT. 140		Drop N/A	
Start Time 11:00		Date 11/12/14	
Completed Time 12:15		Date 11/12/14	
Boring Depth:	20'	Screen	10'-20'
Casing Depth:	20'	Screen	0.010
Water Depth:	~12'	2/12 Sand	8'-20'
Time:	11:15	Cement	0-5'
Date:	11/12/14	Bentonite	5-8'
Backfilled Time:	Date:	By:	
Surface Elev:	Datum:		
Conditions:			

Depth (feet)	Type	Blows	Driven (inches)	Received (inches)	Condition	Time		Hydrocarbon Stain	Depth (feet)
									1.0
									3.0
									5.0
5-6.5'	SP	5 9 11	18"	18"		1110		No	
									7.0
									9.0
10	SM	18	18"	12"		1112		No	10.0

SP - poorly graded sand, lt olive brown (2.5Y 5/4), loose, dry, trace gravel.

SM - Silty sand, dk yllsh brn (10YR 4/4) damp, med dense

11.5

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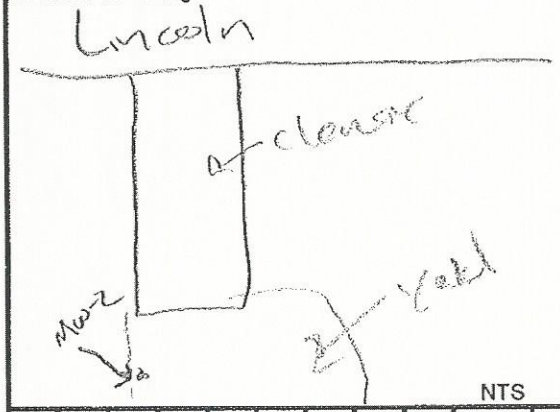
Field Boring Log Sheet 2 of 2

Location of Boring:



Project: Elegant Cleaners, Alameda	Boring No. MW-2
	Total Depth: 20'
Job No. 1410097ESAIII	Logged by: C. Olson
Drilling Contractor: ECA	
Drill Rig Type: HSA	
Drillers Name: John + Jessie	
Sampling Methods: Split Spoon	
Hammer WT. N/A, 140	Drop N/A
Start Time 11:00	Date 11/12/14
Completed Time 12:15	Date 11/12/14

Boring Depth:	20	screen	10'-20'
Casing Depth:	20'	screen	0.010
Water Depth:	~12	2/12 sand	8'-20'
Time:	11:15	cement	0-5'
Date:	11/12/14	bentonite	5'-8'

Backfilled Time: — Date: — By: —

Surface Elev: — Datum: —

Conditions: —

Depth (feet)	Type	Blows	Driven (inches)	Received (inches)	Condition	Time		Hydrocarbon Stain	Depth (feet)	
	SM	30, 35						NO	1.0	Same as above, med dense
										↓
										SP- Poorly graded sand, lt olive brn, (2.5Y5/6), dense, trace silt, wet
12 ↓ 13.5	SP	28, 60, X	18"	12"		11:15		NO	12, 13.0	
									5.0	
									7.0	
									9.0	
									20.0	End of Boring @ 20'

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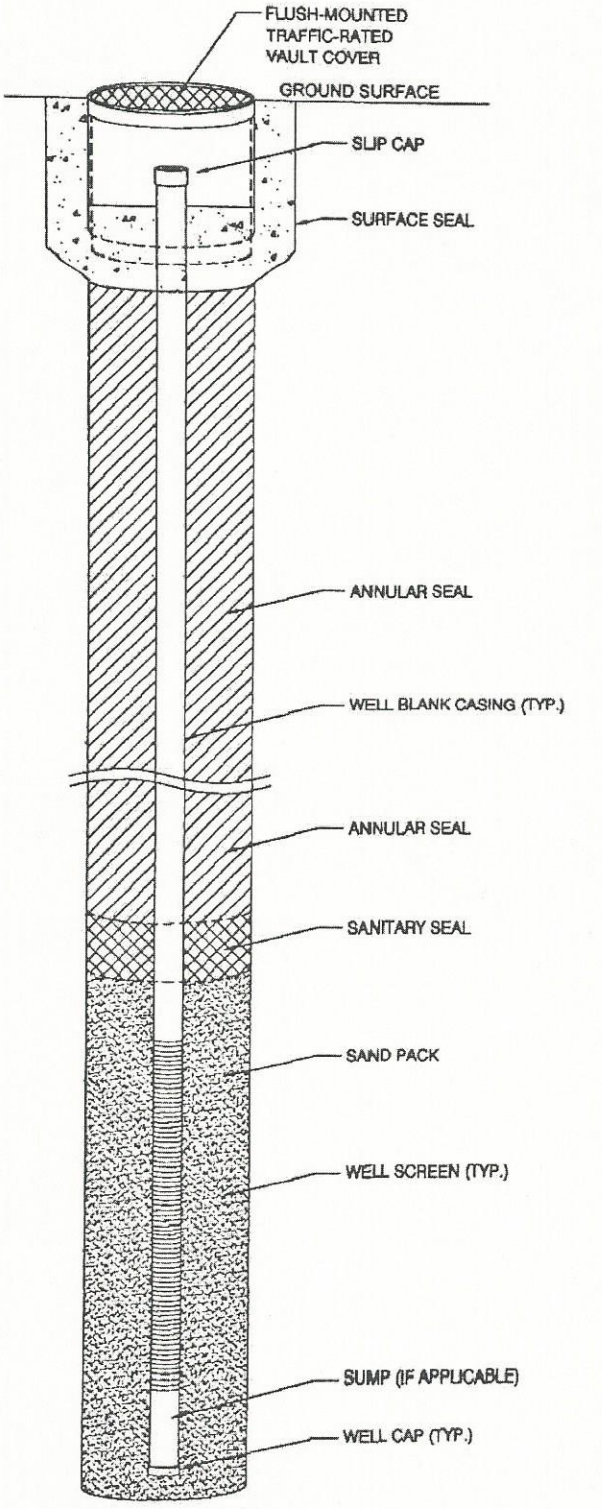

TOTAL DEPTH OF BOREHOLE 20'

SURFACE SEAL INTERVAL	0" - 3"
TYPE OF SURFACE SEAL	concrete
ANNULAR SEAL INTERVAL	3" - 5'
TYPE OF ANNULAR SEAL	neat cement
SANITARY SEAL INTERVAL	5'-8'
TYPE OF SANITARY SEAL	bentonite
DIAMETER OF WELL CASING	2"
TYPE OF WELL CASING	PVC
SAND PACK INTERVAL	8' - 20'
TYPE OF SAND PACK	#2/12
SCREEN INTERVAL	10' - 20'
DESCRIPTION OF SCREEN	0.010" - slotted
DEPTH OF WELL	20.0'
DIAMETER OF BOREHOLE	8"
DEPTH OF BOREHOLE	20.0'

MW-2

SITE ADDRESS: 1208 Lincoln Ave, Alameda CA

FIGURE:

PROJECT: Elegant Cleaners

DATE:

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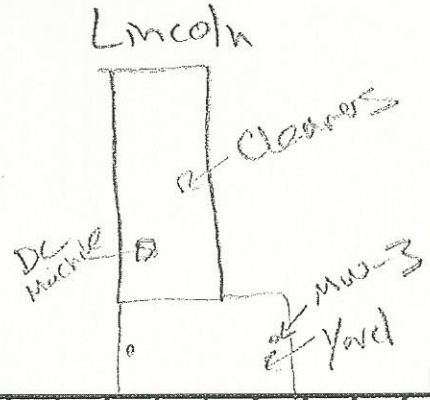
Field Boring Log Sheet 1 of 2

Location of Boring:



Project: Elegant Cleaners, Alameda	Boring No. MW-3
	Total Depth: 20'
Job No. 1410097ESAIII	Logged by: C. Olson
Drilling Contractor: ECA	
Drill Rig Type: HSA	
Drillers Name: John + Jesse	
Sampling Methods: Split Spoon	
Hammer WT. N/A	Drop N/A
Start Time 9:15	Date 11/12/14
Completed Time 10:30	Date 11/12/14

Boring Depth:	20'	Cement	0-5'
Casing Depth:	20'	Bentonite	5'-8'
Water Depth:	~12'	2/12 Sand	8'-20'
Time:	9:30	Screen	0.010
Date:	11/12/14	Screen	10'-20'

Backfilled Time: — Date: — By: —

Surface Elev: — Datum: —

Conditions:

0 Cement
5 Bent
8 Sand
10' Screen
20

Depth (feet)	Type	Blows	Driven (inches)	Received (inches)	Condition	Time		Hydrocarbon Stain	Depth (feet)	Well
5' ↓ 6.5'	SP	9 11 14	18"	18"		9:32		No	1.0 3.0 5.0 7.0 9.0 10.0	Cement Bentonite Sand
		13 24 31				9:45		No		

SP
~~Poorly~~ graded sand, lt yellowish brown (10YR 6/4), fine grain, loose, dry, trace gravel

SM - Silty sand, dk yellowish brn (10YR 4/6), fine sand, med dense, moist,

De	Ty	Blo	Dri	Re	Co	Ti		Hy	De		Conditions: —
									1 1.0		
									▼		
									1 3.0		
									2/16 Sand		
									1 5.0		Sample lost - wet sands
15 ↓ 16.5		13 18 28	18"	0"	9:50			No	0.020 Slotted		
									1 7.0		
									1 9.0		
									2 0.0		

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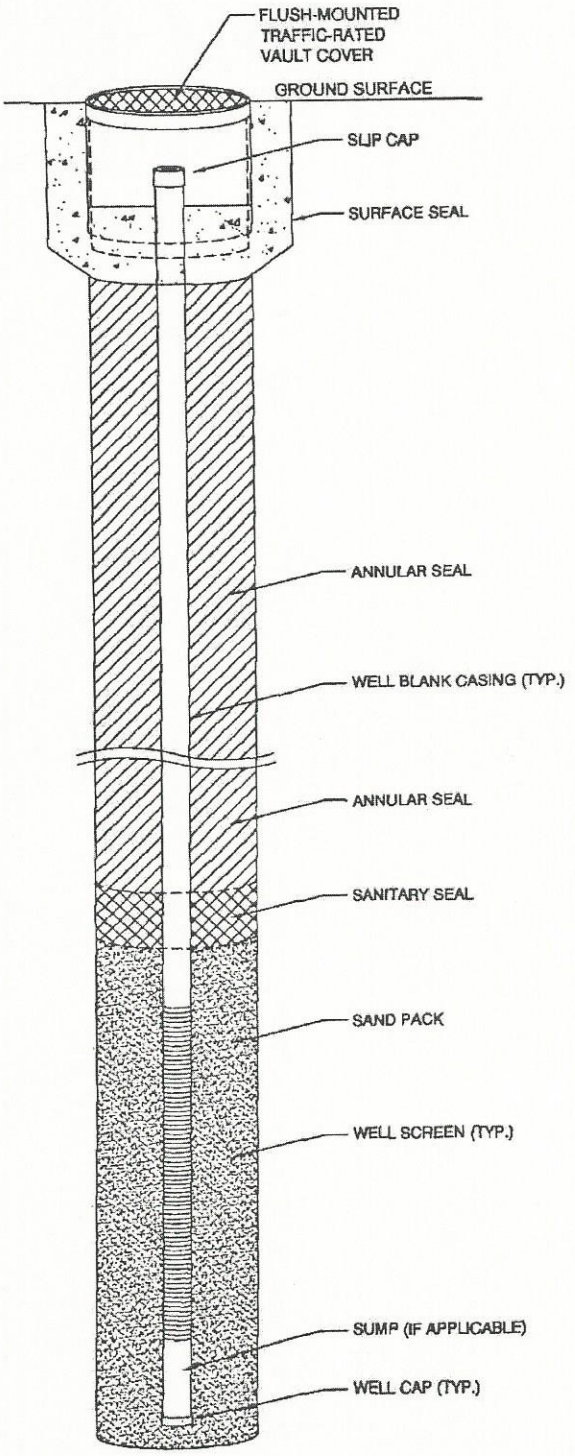

SURFACE SEAL INTERVAL: 0" - 3"
TYPE OF SURFACE SEAL: concrete
ANNULAR SEAL INTERVAL: 3" - 5'
TYPE OF ANNULAR SEAL: Neat Cement
SANITARY SEAL INTERVAL: 5' - 8'
TYPE OF SANITARY SEAL: bentonite
DIAMETER OF WELL CASING: 2"
TYPE OF WELL CASING: PVC
SAND PACK INTERVAL: 8' - 20'
TYPE OF SAND PACK: # 2/12
SCREEN INTERVAL: 10' - 20'
DESCRIPTION OF SCREEN: 0.010" - slotted
DEPTH OF WELL: 20.0'
DIAMETER OF BOREHOLE: 8"
DEPTH OF BOREHOLE: 20.0'

TOTAL DEPTH OF BOREHOLE: 20'

MW-3

SITE ADDRESS: 1208 Lincoln Ave, Alameda CA

FIGURE:

PROJECT: Elegant Cleaners

DATE:

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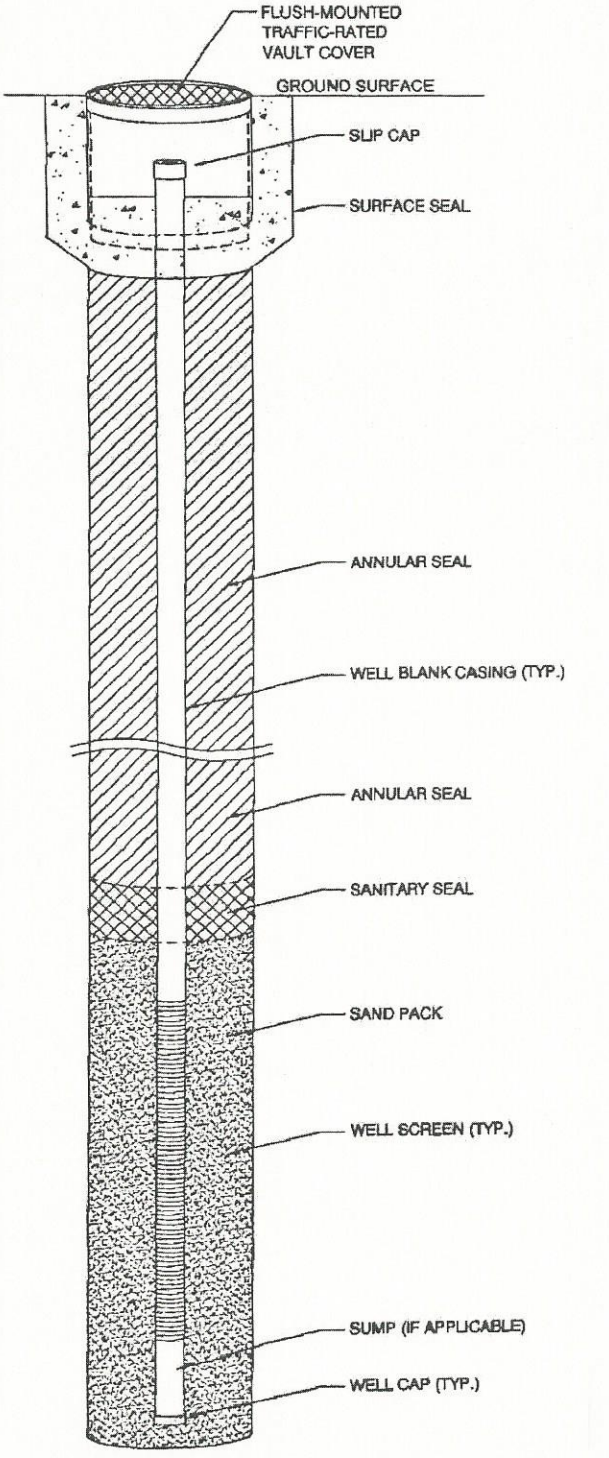

TOTAL DEPTH OF BOREHOLE _____

SURFACE SEAL INTERVAL	0" - 3"
TYPE OF SURFACE SEAL	concrete
ANNULAR SEAL INTERVAL	3" - 2.5'
TYPE OF ANNULAR SEAL	Neat cement
SANITARY SEAL INTERVAL	2.5' - 4.5'
TYPE OF SANITARY SEAL	bentonite
DIAMETER OF WELL CASING	1/4"
TYPE OF WELL CASING	teflon tubing
SAND PACK INTERVAL	4.5' - 5.5'
TYPE OF SAND PACK	# 2/12
SCREEN INTERVAL	at 5'
DESCRIPTION OF SCREEN	stone diffuser
DEPTH OF WELL	5'
DIAMETER OF BOREHOLE	2"
DEPTH OF BOREHOLE	5.5'

VW - 1

SITE ADDRESS: 1208 Lincoln Ave, Alameda CA

FIGURE:

PROJECT: Elegant Cleaners

DATE:

ENCON Solutions, Inc

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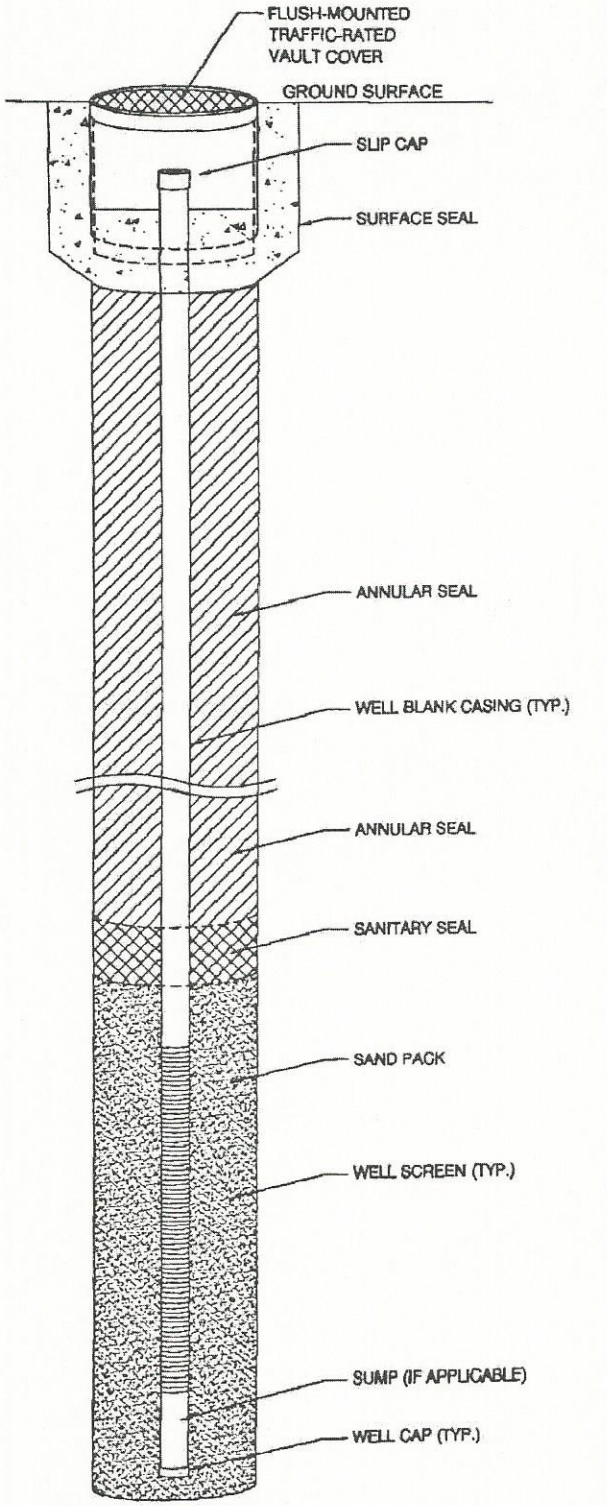

TOTAL DEPTH OF BOREHOLE _____

SURFACE SEAL INTERVAL 0'' - 3''
TYPE OF SURFACE SEAL concrete
ANNULAR SEAL INTERVAL 3'' - 2.5'
TYPE OF ANNULAR SEAL Neat cement
SANITARY SEAL INTERVAL 2.5' - 4.5'
TYPE OF SANITARY SEAL bentonite
DIAMETER OF WELL CASING 1/4''
TYPE OF WELL CASING teflon tubing
SAND PACK INTERVAL 4.5' - 5.5'
TYPE OF SAND PACK # 2/12
SCREEN INTERVAL at 5'
DESCRIPTION OF SCREEN stone diffuser
DEPTH OF WELL 5'
DIAMETER OF BOREHOLE 2''
DEPTH OF BOREHOLE 5.5'

VW - 2

SITE ADDRESS: 1208 Lincoln Ave, Alameda CA

FIGURE:

PROJECT: Elegant Cleaners

DATE:

ENCON Solutions, Inc

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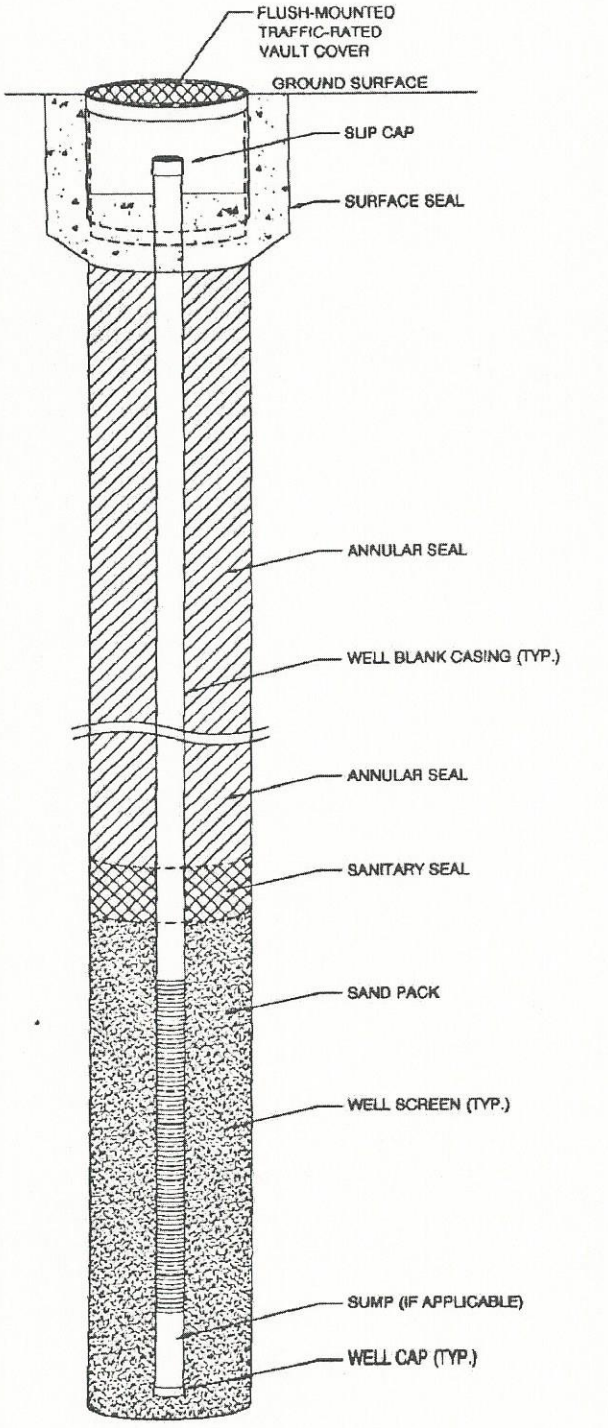

TOTAL DEPTH OF BOREHOLE _____

SURFACE SEAL INTERVAL	0" - 3"
TYPE OF SURFACE SEAL	concrete
ANNULAR SEAL INTERVAL	3" - 2.5'
TYPE OF ANNULAR SEAL	Neat cement
SANITARY SEAL INTERVAL	2.5' - 4.5'
TYPE OF SANITARY SEAL	bentonite
DIAMETER OF WELL CASING	1/4"
TYPE OF WELL CASING	teflon tubing
SAND PACK INTERVAL	4.5' - 5.5'
TYPE OF SAND PACK	#2/12
SCREEN INTERVAL	at 5'
DESCRIPTION OF SCREEN	stone diffuser
DEPTH OF WELL	5'
DIAMETER OF BOREHOLE	2"
DEPTH OF BOREHOLE	5.5'

VW - 3

SITE ADDRESS: 1208 Lincoln Ave, Alameda CA

FIGURE:

PROJECT: Elegant Cleaners

DATE:

ENCON Solutions, Inc

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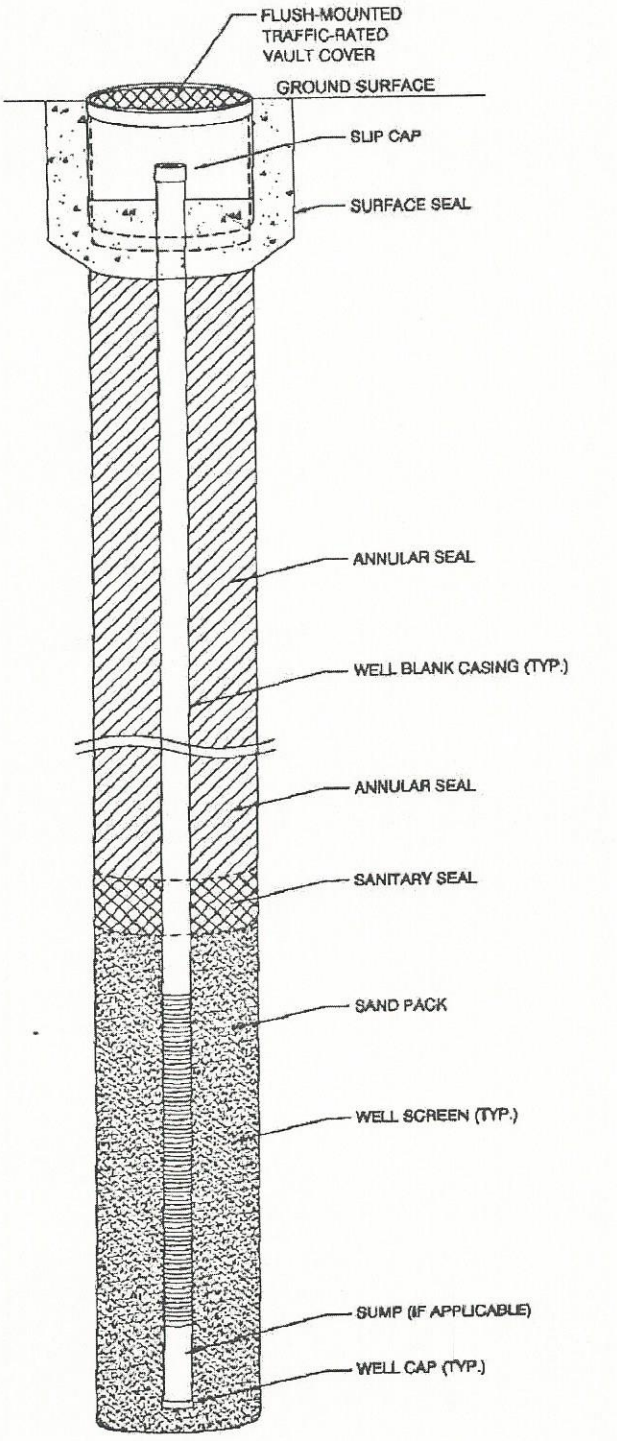

TOTAL DEPTH OF BOREHOLE _____

SURFACE SEAL INTERVAL 0'' - 3''
TYPE OF SURFACE SEAL concrete
ANNULAR SEAL INTERVAL 3'' - 2.5'
TYPE OF ANNULAR SEAL Neat cement
SANITARY SEAL INTERVAL 2.5' - 4.5'
TYPE OF SANITARY SEAL bentonite
DIAMETER OF WELL CASING 1/4''
TYPE OF WELL CASING teflon tubing
SAND PACK INTERVAL 4.5' - 5.5'
TYPE OF SAND PACK #2/12
SCREEN INTERVAL at 5'
DESCRIPTION OF SCREEN stone diffuser
DEPTH OF WELL 5'
DIAMETER OF BOREHOLE 2''
DEPTH OF BOREHOLE 5.5'

VW-4

SITE ADDRESS: 1208 Lincoln Ave, Alameda CA

FIGURE:

PROJECT: Elegant Cleaners

DATE:

ENCON Solutions, Inc.

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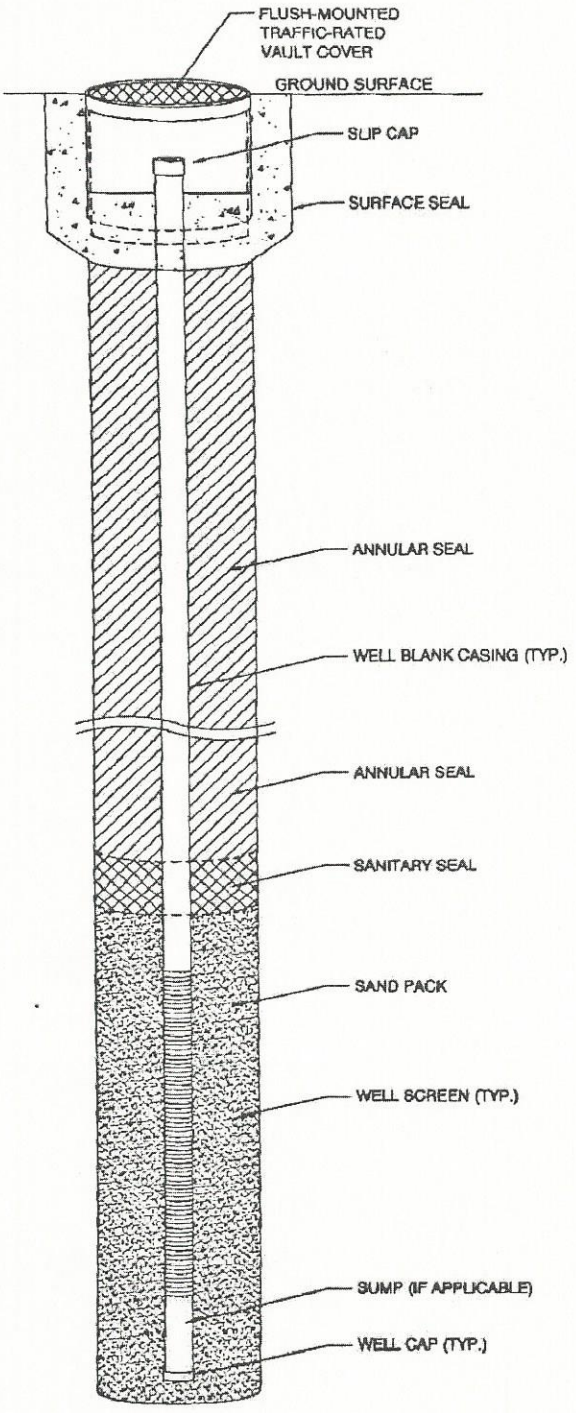


TOTAL DEPTH OF BOREHOLE _____

SURFACE SEAL INTERVAL: 0'' - 3''
TYPE OF SURFACE SEAL: concrete
ANNULAR SEAL INTERVAL: 3'' - 2.5'
TYPE OF ANNULAR SEAL: Neat cement
SANITARY SEAL INTERVAL: 2.5' - 4.5'
TYPE OF SANITARY SEAL: bentonite
DIAMETER OF WELL CASING: 1/4''
TYPE OF WELL CASING: teflon tubing
SAND PACK INTERVAL: 4.5' - 5.5'
TYPE OF SAND PACK: # 2/12
SCREEN INTERVAL: at 5'
DESCRIPTION OF SCREEN: stone diffuser
DEPTH OF WELL: 5'
DIAMETER OF BOREHOLE: 2''
DEPTH OF BOREHOLE: 5.5'

VW-5

SITE ADDRESS: 1208 Lincoln Ave, Alameda CA

FIGURE:

PROJECT: Elegant Cleaners

DATE:

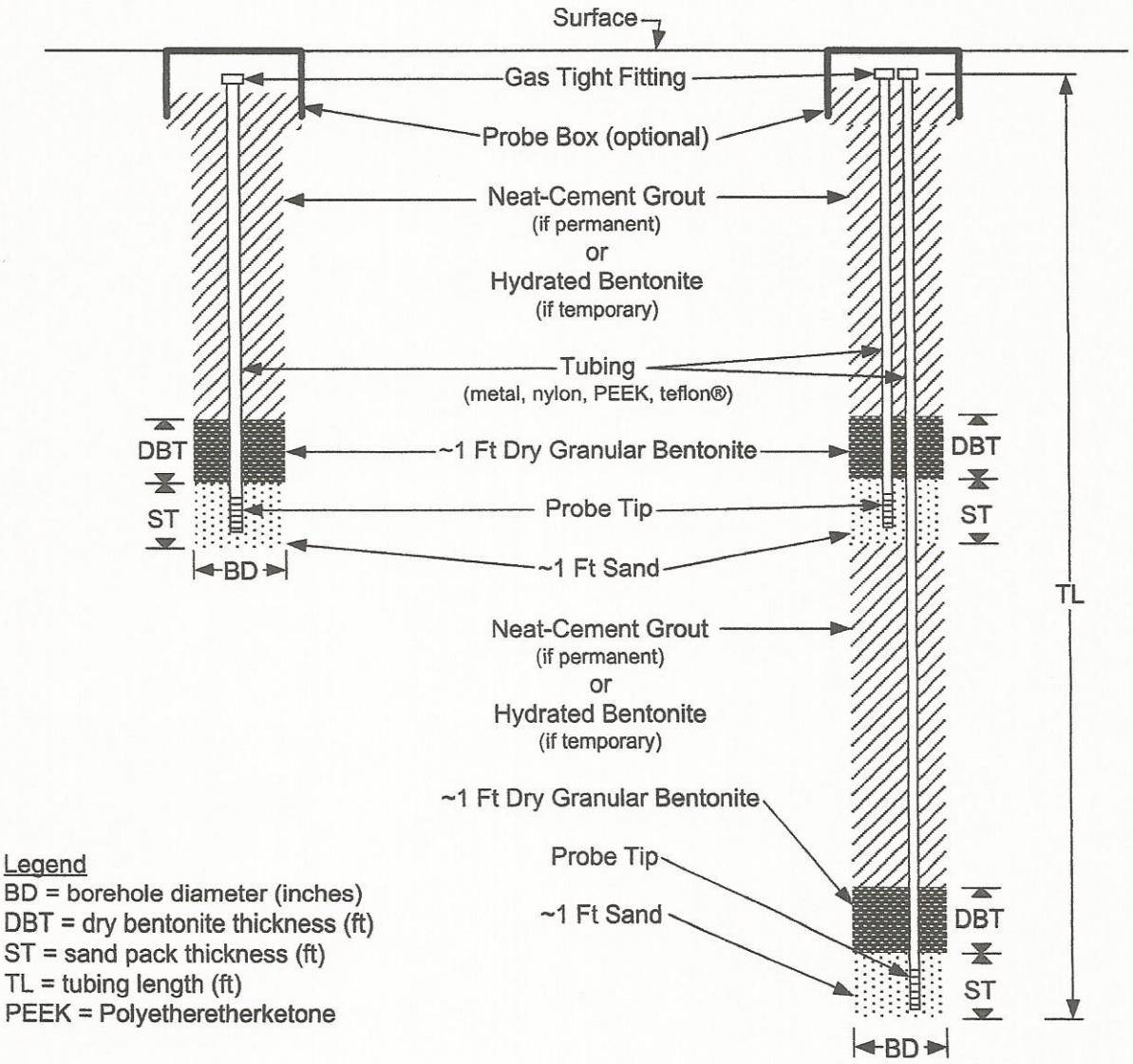
ENCON Solutions, Inc.

APPENDIX B

SOIL GAS PROBE DESIGN

Figure 1

Typical Single and Nested Soil Gas Probe Design

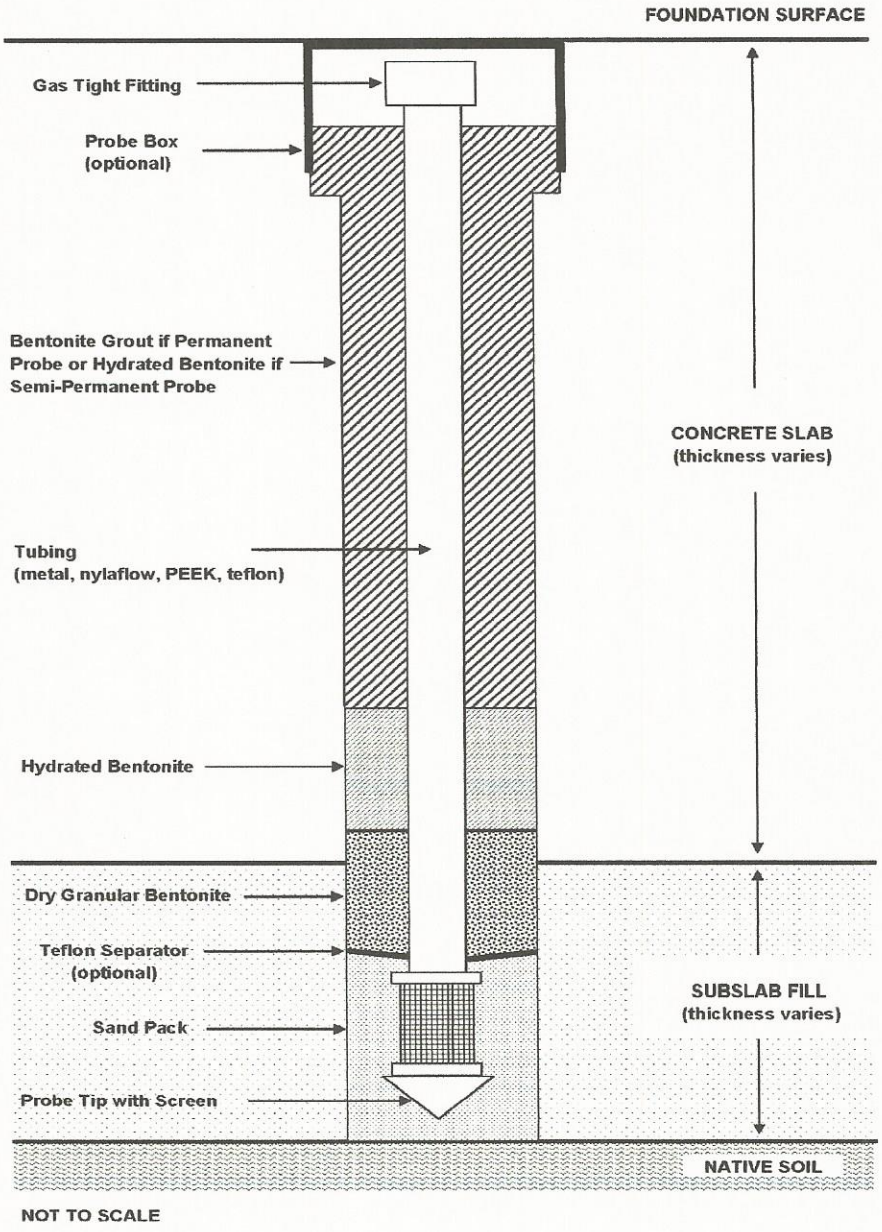


Legend
BD = borehole diameter (inches)
DBT = dry bentonite thickness (ft)
ST = sand pack thickness (ft)
TL = tubing length (ft)
PEEK = Polyetheretherketone

Neat-Cement Grout means a mixture in the proportion of 94 pounds of Portland cement and not more than 6 gallons of water. Bentonite up to 5 percent by weight of cement (4.7 pounds of bentonite per 94 pounds of Portland cement) may be used to reduce shrinkage.

FIGURE 2

Sub-Slab Vapor Probe Typical Diagram

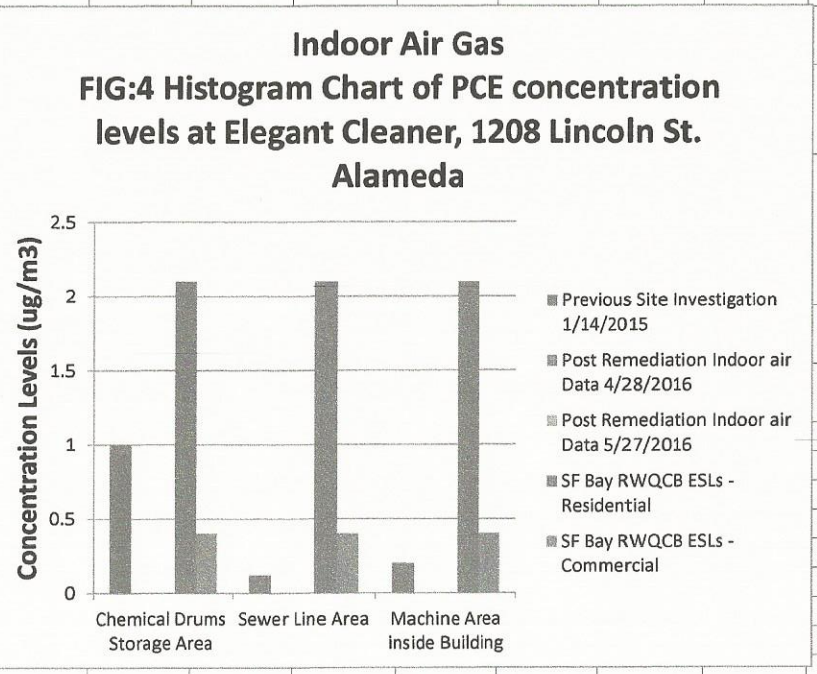


APPENDIX C

HISTOGRAM CHARTS OF PCE CONCENTRATION LEVELS AND ESLs WORKBOOK OUTPUT

		Chemical Drums Storage Area	Sewer Line Area	Machine Area inside Building
Previous Site Investigation	1/14/2015	1	0.12	0.2
Post Remediation Indoor air Data	4/28/2016	TBD	TBD	TBD
	5/27/2016	TBD	TBD	TBD
SF Bay RWQCB	ESLs - Residential	2.1	2.1	2.1
SF Bay RWQCB	ESLs - Commercial	0.4	0.4	0.4

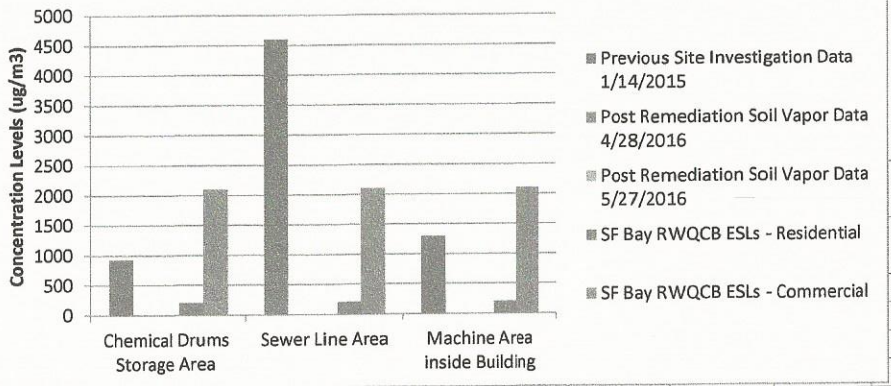
Note: TBD =To Be Determined



		Chemical Drums Storage Area	Sewer Line Area	Machine Area inside Building
Previous Site Investigation Data	1/14/2015	930	4600	1300
Post Remediation Soil Vapor Data	4/28/2016	TBD	TBD	TBD
	5/27/2016	TBD	TBD	TBD
SF Bay RWQCB	ESLs - Residential	210	210	210
SF Bay RWQCB	ESLs - Commercial	2100	2100	2100
Note: TBD =To Be Determined				

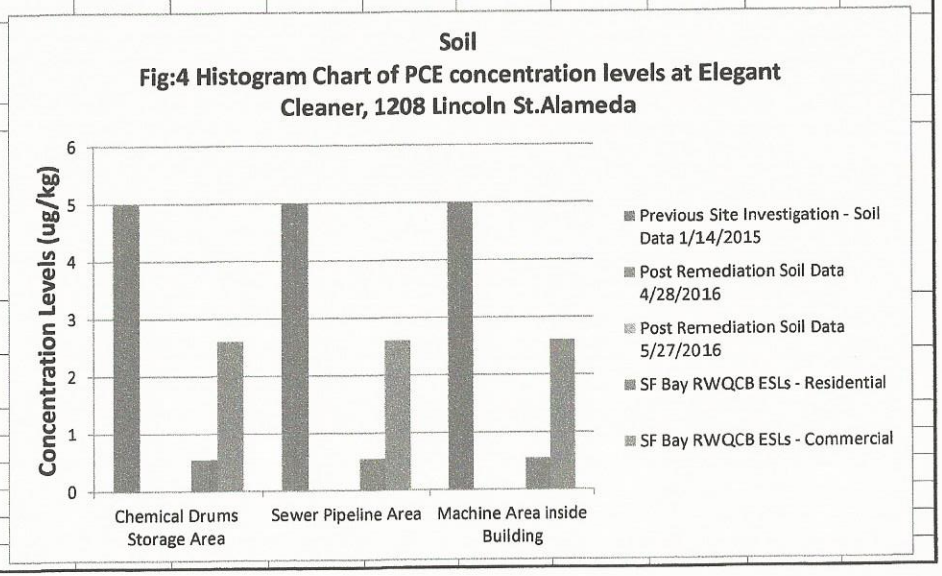
Soil Vapour

FIG:4 Histogram Chart of PCE concentration levels at Elegant Cleaner, 1208 Lincoln St. Alameda

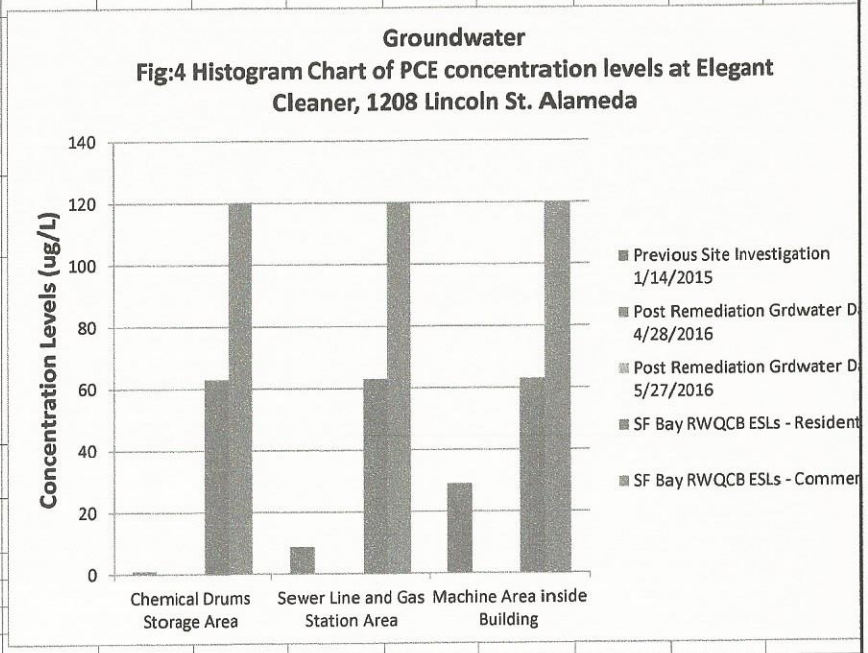


		Chemical Drums Storage Area	Sewer Pipeline Area	Machine Area inside Building
Previous Site Investigation - Soil Data	1/14/2015	5	5	5
Post Remediation Soil Data	4/28/2016	TBD	TBD	TBD
	5/27/2016	TBD	TBD	TBD
SF Bay RWQCB	ESLs - Residential	0.55	0.55	0.55
SF Bay RWQCB	ESLs - Commercial	2.6	2.6	2.6

Note: TBD =To Be Determined



		Chemical Drums Storage Area	Sewer Line and Gas Station Area	Machine Area inside Building
Previous Site Investigation	1/14/2015	1	8.8	29
Post Remediation Grdwater Data	4/28/2016	TBD	TBD	TBD
	5/27/2016	TBD	TBD	TBD
SF Bay RWQCB	ESLs - Residential	63	63	63
SF Bay RWQCB	ESLs - Commercial	120	120	120
Note: TBD =To Be Determined				



CALIFORNIA
Water Boards

Environmental Screening Levels

San Francisco Bay Regional Water Quality Control Board

EDMUND G. BROWN JR.
GOVERNOR

MATTHEW RODRIQUEZ
SECRETARY FOR
ENVIRONMENTAL PROTECTION

Inputs for Environmental Screening Levels

Click in cell and use pull-down boxes to make selection.

Step 1: Select Contaminant

	Tetrachloroethene

Step 2: Select Site Scenario*

Land Use:	Residential (default)
Depth of Contaminated Soil:	Shallow Soil (default)
Groundwater Use:	Nondrinking Water Resource

Step 3: Drinking Water and Soil Type*

Drinking Water:	Risk-Based
Soil Type:	Fine-Coarse Mix (default)

ESLs:

Soil (mg/kg):	5.5E-01
Groundwater (µg/L):	6.3E+01
Soil Gas (µg/m³):	2.1E+02
Indoor Air (µg/m³):	4.1E-01

Step 4 (Optional): Enter site data

Soil concentration (mg/kg) - dry weight:	10.00
Soil gas concentration (µg/m^3):	13,000.00
Groundwater concentration (µg/L):	29.00
Indoor Air concentration (µg/m^3):	1.00

* When all inputs are set to Default, the output is Tier 1 ESLs. The soil type only influences the groundwater to indoor air pathway.

Chemical Toxicity and Chemical Fate and Transport Information

Tetrachloroethene

Human Toxicty Factors	Value	Units	Referenced Table
Cancer Slope Factor	5.4E-01	$(mg/kg\text{-}day)^{-1}$	Table J-1
Inhalation Unit Risk	5.9E-06	$(\mu g/m^3)^{-1}$	Table J-1
Reference Dose	1.1E-01	mg/kg-day	Table J-1
Reference Concentration	2.7E+02	$\mu g/m^3$	Table J-1
Skin Absorption Factor	No Value	unitless	Table J-1

Aquatic Habitat Protection Goals	Value	Units	Referenced Table
Freshwater Chronic Goal	1.2E+02	µg/L	Table F-2a
Marine Chronic Goal	2.3E+02	µg/L	Table F-2b
Estuary Chronic Goal	1.2E+02	µg/L	Table F-2c
*Bioaccumulation Goal	8.9E+00	µg/L	Table F-4d

*Bioaccumulation goal used to screen surface water only

Fate & Transport Information	Value	Units	Referenced Table
Molecular Weight	166	g/mole	Table J-1
Organic Carbon Partition Coeff. (K_{oc})	1.6E+02	cm^3/g	Table J-1
Diffusivity in air	7.2E-02	cm^2/s	Table J-1
Diffusivity in water	8.2E-06	cm^2/s	Table J-1
Solubility (water)	2.0E+02	mg/L	Table J-1
Henry's Law Constant (H)	1.8E-02	$atm\text{-}m^3/mol$	Table J-1
Henry's Law Constant (H')	7.5E-01	unitless	Table J-1

Potential Health Effects	Target Organs
Carcinogen	
Alimentary Tract	X
Cardiovascular	
Developmental	
Endocrine	
Eye	
Hematologic	
Immune	
Kidney	
Nervous	X
Reproductive	
Respiratory	
Skin	
Other	

Summary of Environmental Screening Levels

Site Name:
Site Address:

Site ID Number:
Date: 12/25/2015

Selected Site Scenario	
Land Use:	Residential (default)
Depth to Impacted Soil:	Shallow Soil (default)
Groundwater Use:	Nondrinking Water Resource
Drinking Water:	Risk-Based
Soil Type:	Fine-Coarse Mix (default)

Selected Chemical: Tetrachloroethene

Site Concentrations:

Soil (mg/kg): 10.00
Soil Gas (µg/m^3) 13,000.00
Groundwater (µg/L): 29.00
Indoor Air Concentration (µg/m^3): 1.00

Soil ESLs:	Units	ESL	ESL Exceeded?	Referenced Table
Direct Exposure:	mg/kg	5.5E-01	Yes	
Terrestrial Ecological:	mg/kg	No Value	No	Table B-1
Ceiling Value:	mg/kg	2.3E+02	No	
Leaching:	mg/kg	8.9E+00	Yes	
Final Soil ESL:	**mg/kg**	**5.5E-01**		

Groundwater ESLs:	Units	ESL	ESL Exceeded?	Referenced Table
Drinking Water:	µg/L	6.0E-02	Yes	Table F-3
Protection of Aquatic Habitats:	µg/L	1.2E+02	No	
Groundwater to Indoor Air:	µg/L	6.3E+01	No	Table F-1b
Ceiling Value:	µg/L	3.0E+03	No	
Final Groundwater ESL:	**µg/L**	**6.3E+01**		

Indoor Air ESLs:	Units	ESL	ESL Exceeded?	Referenced Table
Health Risk:	µg/m^3	4.1E-01	Yes	Table E-3
Odor Threshold:	µg/m^3	3.2E+04	No	
Final Indoor Air ESL:	µg/m^3	4.1E-01		

Soil Gas ESLs:	Units	ESL	ESL Exceeded?	Referenced Table
Health Risk:	µg/m^3	2.1E+02	Yes	Table E-2
Odor Threshold:	µg/m^3	1.6E+07	No	
Final Soil Gas ESL:	µg/m^3	2.1E+02		

ESLs Detailed Report

Selected Chemical: Tetrachloroethene

Selected Site Scenario	
Land Use:	Residential (default)
Depth to Impacted Soil:	Shallow Soil (default)
Groundwater Use:	Nondrinking Water Resource
Drinking Water:	Risk-Based
Soil Type:	Fine-Coarse Mix (default)
Site Soil Concentration (mg/kg):	10.00
Site Soil Gas Concentraton (µg/m^3):	13,000.00
Site Groundwater Concentration (µg/L):	29.00
Site Indoor Air concentration (µg/m^3):	1.00

Soil ESL Tables	Land Use	Depth to Impacted Soil	Selected?
Table A-1	Residential (default)	Shallow Soil (default)	NO
Table A-2	Commercial or Industrial	Shallow Soil (default)	NO
Table B-1	Residential (default)	Shallow Soil (default)	YES
Table B-2	Commercial or Industrial	Shallow Soil (default)	NO
Table C-1	Residential (default)	Deep Soil	NO
Table C-2	Commercial or Industrial	Deep Soil	NO
Table D-1	Residential (default)	Deep Soil	NO
Table D-2	Commercial or Industrial	Deep Soil	NO

*Default Shallow Soil ≤3m bgs, Deep Soil >3m bgs

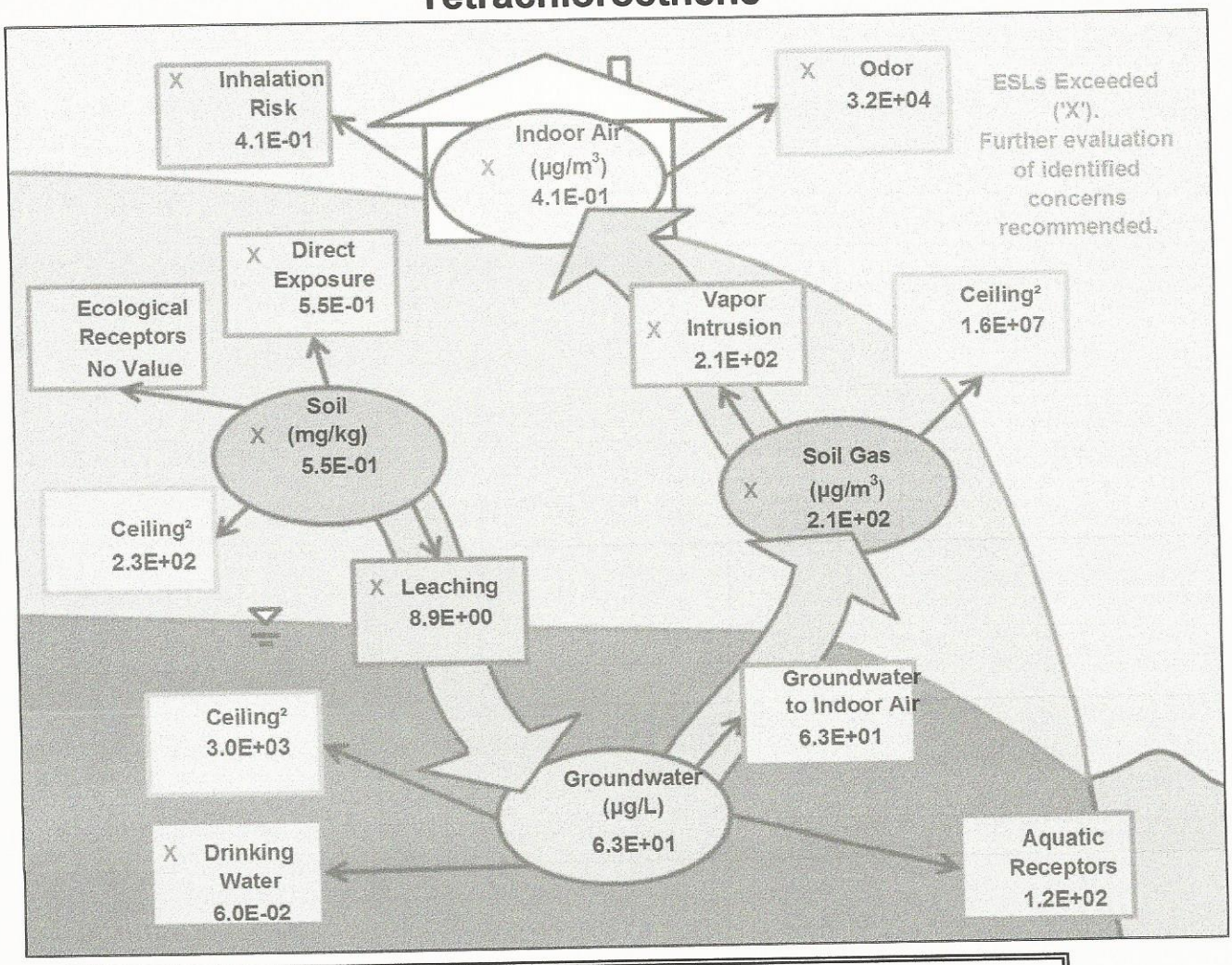
Soil Screening Levels (mg/kg)	
Table Referenced:	Table B-1
Residential:	5.5E-01
Commercial or Industrial:	2.6E+00
Construction/Trench Worker	3.1E+01
Direct Exposure:	5.5E-01
Drinking Water Resource:	7.0E-01
Nondrinking Water Resource:	8.9E+00
Leaching:	8.9E+00
Residential:	No Value
Commercial or Industrial:	No value
Terrestrial Ecotoxicity:	No Value
Residential Shallow Soil:	2.3E+02
Residential Deep Soil:	2.3E+02
Residential Action Level:	2.3E+02
Commercial/Industrial Shallow Soil:	2.3E+02
Commercial/Industrial Deep Soil:	2.3E+02
Commercial/Industrial Action Level:	2.3E+02
Ceiling Level:	2.3E+02
Final Soil ESL	5.5E-01

Indoor Air and Soil Gas Screening Levels (µg/m^3)	
Indoor Air Table Referenced:	Table E-3
Residential:	4.1E-01
Commercial or Industrial:	2.1E+00
Odor Threshold:	3.2E+04
Final Indoor Air:	4.1E-01
Soil Gas Table Referenced:	Table E-2
Residential:	2.1E+02
Commercial or Industrial:	2.1E+03
Odor Threshold:	1.6E+07
Final Soil Gas:	2.1E+02
Soil to Indoor Air:	
Residential/ Commercial/ Industrial (mg/kg):	Sample soil gas

Drinking Water Screening Levels (µg/L)	
Table Referenced:	Table F-3
Drinking water (MCL-priority)	5.0E+00
Drinking water (risk-based)	6.0E-02
Drinking Water ESL:	6.0E-02
Estuary Aquatic Ecotoxicity ESL:	1.2E+02
Groundwater to Indoor Air Screening Levels	
Table Referenced:	Table E-1
Residential (fine - coarse):	6.3E+01
Residential (all sand):	2.3E+00
Commercial or Industrial (fine - coarse):	6.4E+02
Commercial or Industrial (all sand):	2.3E+01
Groundwater to Indoor Air ESL:	6.3E+01
Groundwater Ceiling Value Screening Levels	
Tables Referenced:	Table F-1a and Table F-1b
Drinking Water Ceiling Value:	1.7E+02
Nondrinking Water Ceiling Value:	3.0E+03
Ceiling Value:	3.0E+03
Final Groundwater ESL:	6.3E+01

Environmental Screening Levels for Specific Concerns

Tetrachloroethene



Scenario Assumptions:	Entered Site Concentrations:	
Residential (default)	Indoor Air (µg/m³):	1
Shallow Soil (default)	Soil gas (µg/m³):	13000
Nondrinking Water Resource	Soil (mg/kg):	10
Fine-Coarse Mix (default)	Groundwater (µg/L):	29

Legend:
Purple - Human Health Risk
Green - Ecological Risk
Orange - Odor/Nuisance

[1] Direct exposure includes dermal contact, inhalation, and ingestion

[2] Ceiling Level is the lowest of the Nuisance Odor/Taste threshold (with an attenuation factor for soil gas), the soil saturation limit, 1/2 of the solubility, or 50,000 µg/L for groundwater.

CALIFORNIA
Water Boards

Environmental Screening Levels

San Francisco Bay Regional Water Quality Control Board

EDMUND G. BROWN JR.
GOVERNOR

MATTHEW RODRIQUEZ
SECRETARY FOR
ENVIRONMENTAL PROTECTION

Inputs for Environmental Screening Levels

Click in cell and use pull-down boxes to make selection

Step 1: Select Contaminant

Tetrachloroethene

Step 2: Select Site Scenario*

Land Use:	Commercial or Industrial
Depth of Contaminated Soil:	Shallow Soil (default)
Groundwater Use:	Nondrinking Water Resource

Step 3: Drinking Water and Soil Type*

Drinking Water:	Risk-Based
Soil Type:	Fine-Coarse Mix (default)

ESLs:

Soil (mg/kg):	2.6E+00
Groundwater (µg/L):	1.2E+02
Soil Gas (µg/m³):	2.1E+03
Indoor Air (µg/m³):	2.1E+00

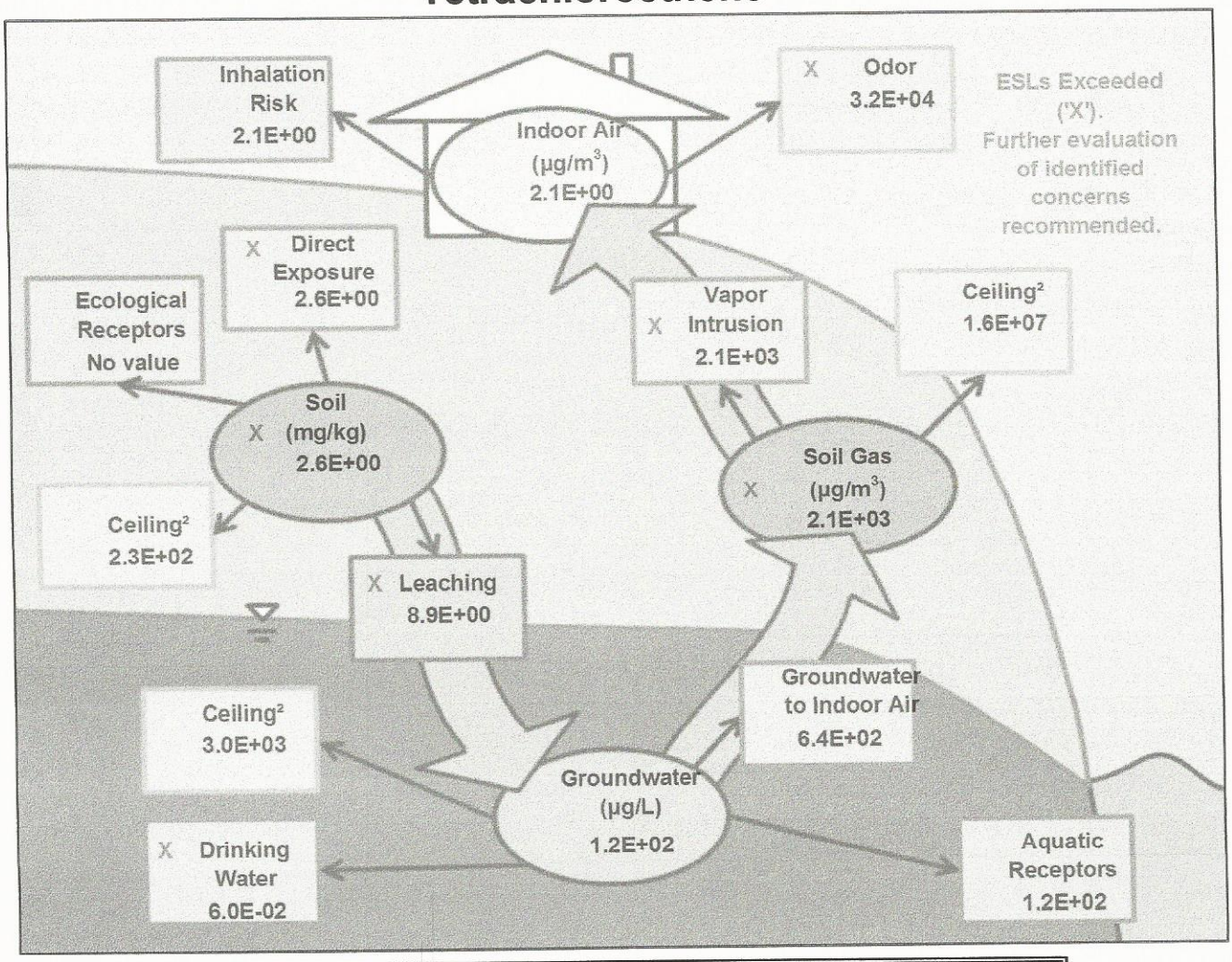
Step 4 (Optional): Enter site data

Soil concentration (mg/kg) - dry weight:	10.00
Soil gas concentration (µg/m³):	13,000.00
Groundwater concentration (µg/L):	29.00
Indoor Air concentration (µg/m³):	1.00

* When all inputs are set to Default, the output is Tier 1 ESLs. The soil type only influences the groundwater to indoor air pathway.

Environmental Screening Levels for Specific Concerns

Tetrachloroethene



Scenario Assumptions:	**Entered Site Concentrations:**	
Commercial or Industrial	Indoor Air (µg/m³):	1
Shallow Soil (default)	Soil gas (µg/m³):	13000
Nondrinking Water Resource	Soil (mg/kg):	10
Fine-Coarse Mix (default)	Groundwater (µg/L):	29

Legend:
Purple - Human Health Risk
Green - Ecological Risk
Orange - Odor/Nuisance

[1] Direct exposure includes dermal contact, inhalation, and ingestion

[2] Ceiling Level is the lowest of the Nuisance Odor/Taste threshold (with an attenuation factor for soil gas), the soil saturation limit, 1/2 of the solubility, or 50,000 µg/L for groundwater.

CALIFORNIA
Water Boards

Environmental Screening Levels
San Francisco Bay Regional Water Quality Control Board

EDMUND G. BROWN JR.
GOVERNOR

MATTHEW RODRIQUEZ
SECRETARY FOR
ENVIRONMENTAL PROTECTION

Summary of Environmental Screening Levels

Site Name:
Site Address:

Site ID Number:
Date: 12/25/2015

Selected Site Scenario	
Land Use:	Commercial or Industrial
Depth to Impacted Soil:	Shallow Soil (default)
Groundwater Use:	Nondrinking Water Resource
Drinking Water:	Risk-Based
Soil Type:	Fine-Coarse Mix (default)

Selected Chemical: **Tetrachloroethene**

Site Concentrations:

Soil (mg/kg): 10.00
Soil Gas (µg/m^3) 13,000.00
Groundwater (µg/L): 29.00
Indoor Air Concentration (µg/m^3): 1.00

Soil ESLs:	**Units**	**ESL**	**ESL Exceeded?**	**Referenced Table**
Direct Exposure:	mg/kg	2.6E+00	Yes	Table B-2
Terrestrial Ecological:	mg/kg	No value	No	
Ceiling Value:	mg/kg	2.3E+02	No	
Leaching:	mg/kg	8.9E+00	Yes	
Final Soil ESL:	**mg/kg**	**2.6E+00**		

Groundwater ESLs:	**Units**	**ESL**	**ESL Exceeded?**	**Referenced Table**
Drinking Water:	µg/L	6.0E-02	Yes	Table F-3
Protection of Aquatic Habitats:	µg/L	1.2E+02	No	Table F-1b
Groundwater to Indoor Air:	µg/L	6.4E+02	No	
Ceiling Value:	µg/L	3.0E+03	No	
Final Groundwater ESL:	**µg/L**	**1.2E+02**		

Indoor Air ESLs:	**Units**	**ESL**	**ESL Exceeded?**	**Referenced Table**
Health Risk:	µg/m^3	2.1E+00	No	Table E-3
Odor Threshold:	µg/m^3	3.2E+04	No	
Final Indoor Air ESL:	µg/m^3	2.1E+00		

Soil Gas ESLs:	**Units**	**ESL**	**ESL Exceeded?**	**Referenced Table**
Health Risk:	µg/m^3	2.1E+03	Yes	Table E-2
Odor Threshold:	µg/m^3	1.6E+07	No	
Final Soil Gas ESL:	µg/m^3	2.1E+03		

Chemical Toxicity and Chemical Fate and Transport Information

Tetrachloroethene

Human Toxicty Factors	Value	Units	Referenced Table
Cancer Slope Factor	5.4E-01	$(mg/kg\text{-}day)^{-1}$	Table J-1
Inhalation Unit Risk	5.9E-06	$(\mu g/m^3)^{-1}$	Table J-1
Reference Dose	1.1E-01	mg/kg-day	Table J-1
Reference Concentration	2.7E+02	$\mu g/m^3$	Table J-1
Skin Absorption Factor	No Value	unitless	Table J-1

Aquatic Habitat Protection Goals	Value	Units	Referenced Table
Freshwater Chronic Goal	1.2E+02	µg/L	Table F-2a
Marine Chronic Goal	2.3E+02	µg/L	Table F-2b
Estuary Chronic Goal	1.2E+02	µg/L	Table F-2c
*Bioaccumulation Goal	8.9E+00	µg/L	Table F-4d

*Bioaccumulation goal used to screen surface water only

Fate & Transport Information	Value	Units	Referenced Table
Molecular Weight	166	g/mole	Table J-1
Organic Carbon Partition Coeff. (K_{oc})	1.6E+02	cm^3/g	Table J-1
Diffusivity in air	7.2E-02	cm^2/s	Table J-1
Diffusivity in water	8.2E-06	cm^2/s	Table J-1
Solubility (water)	2.0E+02	mg/L	Table J-1
Henry's Law Constant (H)	1.8E-02	$atm\text{-}m^3/mol$	Table J-1
Henry's Law Constant (H')	7.5E-01	unitless	Table J-1

Potential Health Effects	Target Organs
Carcinogen	
Alimentary Tract	X
Cardiovascular	
Developmental	
Endocrine	
Eye	
Hematologic	
Immune	
Kidney	
Nervous	X
Reproductive	
Respiratory	
Skin	
Other	

APPENDIX D

FIELD PROCEDURES

APPENDIX D

FIELD PROCEDURES

1.0 Field Quality Assurance/Quality Control

Equipment calibration procedures and field documentation procedures will be implemented by DDEE field personnel.

a. SAMPLE IDENTIFICATION - Soil samples collected will be labeled with unique ID, with date and time of sampling, and initials of the sampler. The samples will be shipped under proper chain of custody procedures to McCampbell Analytical Analytical Labs, Inc., a State certified laboratory.

b. CHAIN-OF-CUSTODY PROCEDURE – Chain of custody records will be used to document sample handling and shipping procedures. Chain of custody records will trace the samples from collection, through any custody transfers to the analytical laboratory. Information recorded on the Chain of custody records will include location of sample collection, sample identification (I.D.) number, date and time of collection, number and type of sample containers and analyses requested. The shipping conditions will also be described on the Chain of custody records. The name of the sampler as well as the name of the person delivering the samples will be documented. Chain of custody procedures are outlined in the field procedure.

c. DIARY AND TIME LOG - A project diary/time log will be developed for the activities performed at the site, which will include:

- Project name and location;
- Contract number;
- Name, title, company performing work, including subcontractors;
- Date work is being performed;
- Actual begin and end times of work;
- Description of work being performed;
- Equipment utilized on site;
- Any observations or remarks to clarify work being performed; and
- Change orders issued if any.

d. DATA MANAGEMENT – Project documents and file may include, but not limited to the following:

- Chemicals of concern from previous investigation..
- Project Field Logs: The project notebook and all field memorandums.
- Correspondence: All written correspondence and telephone conversation records.
- Data Presentation: All maps and tables generated from basic data analyses.
- Data Verification: Documentation that all tables, maps and texts using basic information have been reviewed.
- Field procedures, forms, maps, and analytical data

2.0 DRILLING, AND SAMPLING PROCEDURE

The goal of this sampling procedure is to introduce protocols for soil and groundwater sampling and to minimize the potential for cross-contamination during sampling.

Based on this Work Plan, soil borings will be drilled at approximately 6 locations.

Soil borings, MW4 to MW10 will be drilled to approximately 20 feet below ground surface (bgs), at the Elegant Cleaner located at 1208 Lincoln Avenue, Alameda, California 94501. Soil borings, MW4 to MW10 will be drilled to approximately 20 feet below ground surface (bgs), at the Elegant Cleaner. Soil samples will be collected from 1, 2, 3, 4, 5, 10, 15, and 20 feet bgs from each boring and groundwater will be collected from below groundwater table from each of the borings.

2.1 Drilling

The direct push and/or the hollow stem auger method will be used to drill borings at the site for collection of soil samples. A C57, State of California licensed driller, will be subcontracted to perform this work. The soil samples will be collected using 2-inch diameter spilt spoon.

2.2 Collection of Soil Samples

7 borings, MW4 to MW10 will be advanced to approximately 20 feet bgs. The soil samples will be collected using 2-inch diameter stainless steel samplers. During drilling, the continuous soil samples will be observed for lithology. Lithologic logs of the borings will be developed at the site during drilling, and included in Appendix of the site Investigation report. Soil samples will be collected from 7 soil borings at 1, 2, 3, 4, 5, 10, 15, and 20 feet deep bgs, depending on the target depth of sampling in a boring. Stainless steel samplers with disposable PVC liners will be used for collecting soil samples. The liners will be removed from the stainless steel sampler, capped at both ends, labeled and kept in ice chest. The soil samples will be delivered to a State-certified hazardous waste laboratory McCampbell Laboratory, Inc. within 24 hours under proper chain-of- custody record.

To prevent cross-contamination the soil sampling equipments will be washed with an Alconox solution prior to sampling from each location, and followed by two rounds of rinsing with water, and a final rinsing with de-ionized water.

2.3 Collection of Groundwater Samples

All of the borings will be advanced to approximately 20 feet below ground surface (bgs) for collection of groundwater samples. The groundwater samples will be collected using PVC bailers. During drilling, the continuous soil samples will be observed for lithology. Groundwater samples will be collected from temporary wells to be installed in the boring locations at MW4 to MW10 Disposable PVC bailers will be used for collecting groundwater samples. The groundwater samples will be placed in containers collected from the laboratory, capped, labeled and kept in ice chest. The groundwater samples will be delivered to a State-certified hazardous waste laboratory McCampbell Laboratory, Inc. within 24 hours under proper chain-of- custody record.

To prevent cross-contamination separate PVC bailers will be used for collecting groundwater samples from each temporary well. The groundwater sampling equipments will be washed with an Alconox solution prior to sampling from each location, and followed by two rounds of rinsing with water, and a final rinsing with de-ionized water.

2.4 Gas Vapor Sample Collection

Gas vapor will be collected with the goal of mapping the vapor cloud zone at the Elegant Cleaner. Gas vapor will also be collected next door to the Elegant Cleaner. The blower will be turned off to monitor worse case senario of the air quality inside the Elegant Cleaner. The following is the steps for installing a sub-slab gas vapor probe for collecting gas vapor (VOCs): 1. Create recess hole for the tamper-resistant cap, 2. Drill through sub slab, 3.Check for obstruction if necessary, 4. Insert the assembled GVP kit-grouting above rubber plug, 5. Use the ball-valve to connect sampler to the GVP, and begin collecting samples

2.5 DECONTAMINATION PROCEDURE

The following decontamination procedures will be applied to prevent cross-contamination between samples and to maintain true representative sample from each location:

All sampling and measuring equipments will be cleaned with a non-phosphate detergent and rinsed twice with water, and a final de-ionized water rinse, prior to use at a new sampling location. Sampling equipment includes:

Hydraulic Powered Rig, Split Core Soil Sampler and 2 in diameter PVC Bailers.

The reinstate will be retained and stored in labeled 55-gallon drums and disposed off-site at a permitted recycling facility

2.6 Borings Abandonment

Soil borings will be backfilled to the ground surface with a ratio of neat cement grout of one sack of Portland Type I/II cement (94 Ibs.) to five gallons of clean water. A 2 in steel casing will be used to tremie the grout into the borings for proper seal. The steel casing will be withdrawn as the grout gradually fill the borings.

2.7 HANDLING OF INVESTIGATION DERIVED WASTE

DDEE will arrange with Clean Harbors Environmental Services, 1021 Berryessa, San Jose (408-451-5000) for appropriate disposal of waste, and decontaminated water generated during boring construction activities. All contaminated wastes, decontamination water will be stored in DOT- approved 55- gallon drums, and will be

disposed off-site, at a permitted landfill or a permitted recycling facility (Clean Harbors Environmental Services, 1021 Berryessa, San Jose (408-451-5000)). A generator EPA ID will be obtained.

2.8 Field Quality Assurance/Quality Control

Equipment calibration procedures and field documentation procedures will be implemented by DDEE field personnel.

a. SAMPLE IDENTIFICATION – Gas vapor, Soil and groundwater samples collected will be labeled with unique ID, with date and time procedures to McCampbell Analytical Labs, Inc., a State certified laboratory.

b. CHAIN-OF-CUSTODY PROCEDURE – Chain of custody records will be used to document sample handling and shipping procedures. Chain of custody records will trace the samples from collection, through any custody transfers to the analytical laboratory. Information recorded on the Chain of custody records will include location of sample collection, sample identification (I.D.) number, date and time of collection, number and type of sample containers and analyses requested. The shipping conditions will also be described on the Chain of custody records. The name of the sampler as well as the name of the person delivering the samples will be documented. Chain of custody procedures are outlined in the field procedure.

c. DIARY AND TIME LOG - A project diary/time log will be developed for the activities performed at the site, which will include:

- Project name and location;
- Contract number;
- Name, title, company performing work, including subcontractors;
- Date work is being performed;
- Actual begin and end times of work;
- Description of work being performed;
- Equipment utilized on site;
- Any observations or remarks to clarify work being performed; and
- Change orders issued if any.

d. DATA MANAGEMENT – Project documents and file may include, but not limited to the following:

- Chemicals of concern from previous investigation..
- Project Field Logs: The project notebook and all field memorandums.
- Correspondence: All written correspondence and telephone conversation records.
- Data Presentation: All maps and tables generated from basic data analyses.

- Data Verification: Documentation that all tables, maps and texts using basic information have been reviewed.
- Field procedures, forms, maps, and analytical data

3.0 FIELD PROCEDURE

a. SOIL SAMPLING

- Soil sampling equipment will be washed prior to sampling from each boring. The washing will be followed by two rounds of rinsing with water, and a final rinsing with de-ionized water.
- Stainless steel samplers with disposable Teflon liners will be used for collecting soil samples.
- The liners will be removed from the stainless steel samplers, capped at both ends, labeled and kept in ice chest.
- Soil samples will be delivered to the State-certified hazardous waste laboratory within approximately 48 – hours of collection.
- The soil description will include the color, texture, structure, and consistence.

b. TEMPORARY WELLS DEVELOPMENT AND GROUNDWATER SAMPLING

The 7 temporary wells (MW4 to MW10) will be installed at the Elegant Cleaner property area.

DDEE geologist and geotechnical engineer will develop temporary monitoring wells with disposable bailers using "surge and purge method". Each temporary well will be purged with a separate disposable PVC bailer.

Prior to purging the temporary wells, depth to water level will be measured using a Solinst groundwater level meter probing to an accuracy of approximately 0.01 foot. The measurement will be made to the top of the well casing on the surveyed side. While purging, the parameters for temperature, pH, specific conductivity, and turbidity will be monitored for stabilization. After the parameters stabilized, and a minimum of three well volumes will be purged, groundwater samples will be collected from each well. Groundwater will be decanted from the disposable Teflon bailer into the appropriate laboratory-certified containers with the appropriate preservatives for chemical analysis. The containers will be sealed, labeled with a unique sample ID, the Facility name, project number, name of sampler, and date and time of sample collection; and will be placed into ice-chilled coolers. Samples will be placed under chain-of-custody for transportation to the laboratory.

To prevent cross-contamination all sampling equipments will be washed with an Alconox solution prior to sampling each of the wells, this will be followed by two rounds

of rinsing with water, and a final rinsing with de-ionized water. Purged water and other rinsate will be contained in 55-gallon drums for proper disposal.

c. FIELD DOCUMENTATION OF SAMPLING PROCEDURES

The following outline describes the procedures to be utilized by DDEE for proper sampling documentation.

1. Sampling procedures will be documented in a field notebook that will contain:

- Sample collection procedures
- Date and time of collection
- Date of shipping
- Sample collection location
- Sample identification number(s)
- Intended analysis
- Quality control samples
- Sample preservation
- Name of sampler
- Any pertinent observation

2. Samples will be labeled with the following information:

- Sample number
- Boring number
- Date and time sample was collected
- Sampler's name
- Sample preservatives

The following is the sample designation system for the site: For soil boring samples (i.e., S4 to S10). For groundwater samples (i.e ,MW4 to MW9).

3 Handling of samples will be recorded on a chain-of-custody form which shall include:

- Site name
- Signature of Collector
- Date and time of collection
- Sample identification number
- Number of containers in sample set
- Description of sample and container
- Name and signature of persons, and the companies or agencies they represent, who are involved in the chain of possession
- Analyses to be completed

REFERENCES

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09
US EPA Region 9, Tap Water Goals.
Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater – INTERIM FINAL – November 2007, CA, SF Bay RWQCB
Lower Threat Underground Storage Tank Case Closure Policy (Effective August 17, 2012) – CA State Water Board.

APPENDIX E

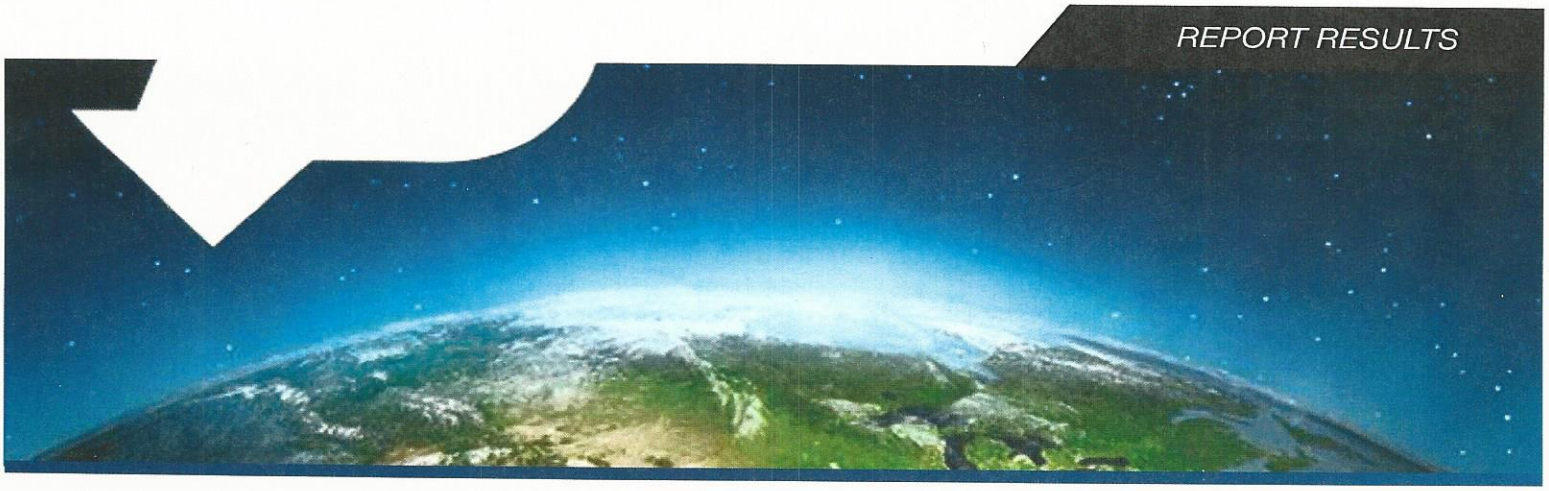
ENVIRONMENTAL RECORD SEARCH

ERS
ENVIRONMENTAL RECORD SEARCH

RecCheck

Report Results

The Standard for ASTM/AAI Radius Searches
(One Mile Environmental Records Search, Exceeds ASTM 1527/1528 and EPA All Appropriate Inquiry)



Site Location:

1208 Lincoln Avenue
Alameda, CA
(N 37-46-28, W122-15-51) NAD83

TABLE OF CONTENTS

EXECUTIVE SUMMARY

INFORMATION ON THE REQUESTED LOCATION

Site Address:	1208 Lincoln Avenue Alameda, CA
Client Project Name/Number:	
Coordinates:	N 37-46-28, W 122-15-51 (NAD 83) 37.774534, -122.264124
Date of Report	December 3, 2015
ERS Project Number:	2104660226
Subject Site Listed on the following lists:	Multiple Agency Lists
Subject Site Listed as Map ID#:	1 (Click here for details)
USGS 7.5 Minute Quad Map:	Oakland West
Township, Section and Range:	Township: 02S Range: 04W Section: 12 Baseline: Mt. Diablo
Site Elevation: **(feet above or below (-) mean sea level)**	24
Flood Zone: **(FEMA Q3 Digital Data)**	Panel: 06001C0069G, Effective Date: 8/3/2009 Zone X - Area of minimal flood hazard, usually depicted on FIRMs as above the 500-year flood level.
Fire Insurance Map Coverage:	Yes Volume: ALAMEDA
Radon Information:	EPA Radon Zone: 2 (Predicted avg for county: 2 to 4 pCi/L)
Search Radius Expansion Size: **(In Miles)**	0
Soil Type: **(USDA Soil Survey Geographic Database) (SSURGO)**	Urban land-Baywood complex Map Unit Type: Complex Hydric: No Drainage Class: Somewhat excessively drained General Information: Sandy, mixed, thermic Entic Haploxerolls
Zip Codes Searched for "Un-Mappable" Sites:	Not Researched
Occurrence Count:	41

SUMMARY OF OCCURRENCES

MAP ID	ID/SITE NAME	ADDRESS	DATABASE	STATUS	DISTANCE (MILES)	ELEV DIFF (FEET)
1 Maps: 1, 2, 3	RO0003163-ALA Site Name Not Reported	1208 LINCOLN AVE ALAMEDA	County-SLIC-Closed-CA	Closed	Subject Site	N/A
1 Maps: 1, 2, 3	CAD981976483 DEE BEE'S ELEGANT CLEANERS	1208 LINCOLN AVE ALAMEDA	DryCleaners-CA	Listed	Subject Site	N/A
1 Maps: 1, 2, 3	CAL000297901 ELEGANT CLEANERS	1208 LINCOLN AVE ALAMEDA	DryCleaners-CA	Listed	Subject Site	N/A
1 Maps: 1, 2, 3	CAL000404830 ELEGANT CLEANERS INC	1208 LINCOLN AVE ALAMEDA	DryCleaners-CA	Listed	Subject Site	N/A
1 Maps: 1, 2, 3	T10000006546 ELEGANT CLEANERS	1208 LINCOLN AVENUE ALAMEDA	ENF-CA	Listed	Subject Site	N/A
1 Maps: 1, 2, 3	75742 Elegant Cleaners Alterations	1208 Lincoln Ave Alameda	Hist-Cleaners	Listed	Subject Site	N/A
1 Maps: 1, 2, 3	CAD981976483 ELEGANT CLEANERS	1208 LINCOLN AVE ALAMEDA	RCRA-SQG-US	Listed	Subject Site	N/A
1 Maps: 1, 2, 3	T10000006546 ELEGANT CLEANERS	1208 LINCOLN AVENUE ALAMEDA	SLIC-Open-CA	Open - Assessment & Interim Remedial Action	Subject Site	N/A
2 Maps: 1, 2, 3	110001184174 DEE BEES ELEGANT CLEANERS	1208 LINCOLN ALAMEDA	FRS-US	Listed	0.01 S	2
2 Maps: 1, 2, 3	BAY AQMD-ALA-5076 DEE BEE'S ELEGANT CLEANERS	1208 LINCOLN ALAMEDA	Hist-CA	No Longer Listed	0.01 S	2
2 Maps: 1, 2, 3	E64EE723-BAY AQMD-ALA-5076 DEE BEE'S ELEGANT CLEANERS	1208 LINCOLN ALAMEDA	Hist-CA	No Longer Listed	0.01 S	2

MAP ID	ID/SITE NAME	ADDRESS	DATABASE	STATUS	DISTANCE (MILES)	ELEV DIFF (FEET)
3 Maps: 1, 2, 3	BBF69942-CAC000886176 YOUNG'S COCKTAILS	1270 LINCOLN AVE ALAMEDA	Hist-CA	No Longer Listed	0.03 NE	0
3 Maps: 1, 2, 3	CAC000886176 YOUNG'S COCKTAILS	1270 LINCOLN AVE ALAMEDA	HWIS-CA	Listed	0.03 NE	0
4 Maps: 1, 2, 3	22052 Bay Island Press	1222 Lincoln Ave Alameda	Hist-Manufacturing	Listed	0.03 E	-1
5 Maps: 1, 2, 3	41585 Barron Publications	1128 Lincoln Ave Alameda	Hist-Printers	Listed	0.04 W	-1
6 Maps: 1, 2, 3	RO0000086-ALA Site Name Not Reported	1127 LINCOLN AVE Alameda	County-LUST-Closed-CA	Closed	0.05 NW	-1
6 Maps: 1, 2, 3	RO0000086-ALA TEXACO #21-1322	1127 LINCOLN AVE Alameda	County-Others-CA	Listed	0.05 NW	-1
6 Maps: 1, 2, 3	110055697848 ROYAL AUTO REPAIR	1127 LINCOLN AVE ALAMEDA	FRS-US	Listed	0.05 NW	-1
6 Maps: 1, 2, 3	8069-R2 BAY ST SVC STATION	1127 LINCOLN AVE ALAMEDA	HIST-MTBE-CA	Listed	0.05 NW	-1
6 Maps: 1, 2, 3	215865 BAY ST SERVICE STATION	1127 LINCOLN AVE ALAMEDA	Hist-UST-CA	Listed	0.05 NW	-1
6 Maps: 1, 2, 3	215867 BAY STREET SERVICE STATION	1127 LINCOLN AVENUE ALAMEDA	Hist-UST-CA	Listed	0.05 NW	-1
6 Maps: 1, 2, 3	CAL000014822 LEWIS BAY STREET AUTO SERVICE	1127 LINCON AVE ALAMEDA	HWIS-CA	Listed	0.05 NW	-1
6 Maps: 1, 2, 3	T0600100829 TEXACO #21-1322	1127 LINCOLN Alameda	LUST-Closed-CA	Completed - Case Closed	0.05 NW	-1
6 Maps: 1, 2, 3	10106 TEXACO #624881450	1127 LINCOLN AVE ALAMEDA	UST-Priority-CA	Listed	0.05 NW	-1

MAP ID	ID/SITE NAME	ADDRESS	DATABASE	STATUS	DISTANCE (MILES)	ELEV DIFF (FEET)
7 Maps: 1, 2, 3	CAC002661726 BRADFORD KRUCK	1604 SHERMAN ST ALAMEDA	HWIS-CA	Listed	0.05 E	0
8 Maps: 1, 2, 3	CAL000169453 REX M. POTTER CONSTRUCTION	1606 DAY ST STE A ALAMEDA	HWIS-CA	Listed	0.05 NW	-3
9 Maps: 1, 2, 3	60001638 Presidio of San Francisco/Baker Beach Disturbed Area 2	Lincoln Blvd. San Francisco	Cal-State-Response-NFA	Listed	0.1 W	-1
9 Maps: 1, 2, 3	60001638 Presidio of San Francisco/Baker Beach Disturbed Area 2	Lincoln Blvd. San Francisco	Cal-State-Response-Other	Listed	0.1 W	-1
10 Maps: 1, 2, 3	151797 Michelle Palmer Design	1615 Morton St Alameda	Hist-Service Stations	Listed	0.11 NE	-3
11 Maps: 1, 2, 3	225344 DEL MONTS CORP ALAMEDA DISTRI	NONE BUENA VISTA AND SHERMAN STREET ALAMEDA	Hist-UST-CA	Listed	0.17 N	-10
11 Maps: 1, 2, 3	CAD981462807 DEL MONTE USA	BUENA VISTA AND SHERMAN STR ALAMEDA	RCRA-SQG-US	Listed	0.17 N	-10
12 Maps: 1, 3	T06019748883 WIND RIVER SYSTEMS	2020 SHERMAN ALAMEDA	SLIC-Closed-CA	Completed - Case Closed	0.26 N	-13
13 Maps: 1, 3	T0600102128 Site Name Not Reported	1310 CENTRAL AVE ALAMEDA	UST-Cleanup-CA	Listed	0.26 S	7
14 Maps: 1, 3	196321 JEAN SWEENEY OPEN SPACE PARK	1925 Sherman Street ALAMEDA	BF-US	Listed	0.28 N	-12
14 Maps: 1, 3	60001930 Jean Sweeney Open Space Park	1925 Sherman Street Alameda	Cal-VCP-Active	Listed	0.28 N	-12
14 Maps: 1, 3	RO0002487-ALA Site Name Not Reported	1925 SHERMAN ST ALAMEDA	County-SLIC-Open-CA	Open	0.28 N	-12

MAP ID	ID/SITE NAME	ADDRESS	DATABASE	STATUS	DISTANCE (MILES)	ELEV DIFF (FEET)
14 Maps: 1, 3	T06019761967 JEAN SWEENEY OPEN SPACE PARK	1925 SHERMAN STREET ALAMEDA	SLIC-Open-CA	Open - Site Assessment	0.28 N	-12
15 Maps: 1, 3	T10000004351 CHIPMAN MOVING & STORAGE	1551 BUENA VISTA AVE ALAMEDA	SLIC-Closed-CA	Completed - Case Closed	0.42 NE	-14
16 Maps: 1, 3	01420130 ENCINAL SCHOOL SITE	1527 Buena Vista Avenue Alameda	Cal-School-Other	Listed	0.45 NE	-11
17 Maps: 1, 3	9060016662 WEYERHAEUSER	1801 HIBBARD ALAMEDA	ALLFACS-IL	Listed	0.5 E	-7
17 Maps: 1, 3	T06019769303 WEYERHAEUSER PAPER CO (TOXICS)	1801 HIBBARD ALAMEDA	SLIC-Closed-CA	Completed - Case Closed	0.5 E	-7

DATABASE OCCURRENCE SUMMARY

HIGH RISK* OCCURRENCES IDENTIFIED IN REQUESTED SEARCH RADIUS		
DATABASE SEARCHED	DISTANCE SEARCHED (MILES)	HIGH RISK OCCURRENCES FOUND
Cal-CorAct-Open-CA	0.5	0
Cal-Military-Active	1	0
Cal-School-Active	0.5	0
Cal-State-Response-Active	1	0
Cal-Superfund-Active	1	0
Cal-VCP-Active	0.5	1
CERCLIS-US	0.5	0
County-LUST-Open-CA	0.5	0
County-SLIC-Open-CA	0.5	1
LUST-Open-CA	0.5	0
NPL-US	1	0
Proposed-NPL-US	1	0
Response-CA	0.25	0
SAA-Agreements-US	1	0
SLIC-Open-CA	0.5	2
SML-Open-CA	0.5	0
Tribal-LUST-Open-Reg9	0.5	0
UST-Cleanup-CA	0.5	1
UST-Priority-CA	0.5	1

* For the purposes of this report, "high risk" occurrences are those that have known contamination and have not received a "case closed" or "no further action" status from the agency that maintains the records.

FEDERAL ASTM/AAI DATABASES							
DATABASE SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	0.125 MILES	0.25 MILES	0.5 MILES	1.0 MILES	TOTAL
BF-US	0.5	0	0	0	1	-	1
CERCLIS-Archived-US	0.5	0	0	0	0	-	0
CERCLIS-US	0.5	0	0	0	0	-	0
Controls-RCRA-US	0.5	0	0	0	0	-	0
Controls-US	0.5	0	0	0	0	-	0
Debris-US	0.5	0	0	0	0	-	0
Delisted-NPL-US	1	0	0	0	0	0	0
ERNS-US	0.0625	0	0	-	-	-	0
FEMA-UST-US	0.25	0	0	0	-	-	0
FTTS-ENF-US	0.0625	0	0	-	-	-	0
Hist-Dumps-US	0.5	0	0	0	0	-	0
Hist-US-EC	0.5	0	0	0	0	-	0
Hist-US-IC	0.5	0	0	0	0	-	0
HMIS-US	0.0625	0	0	-	-	-	0
LIENS-US	0.0625	0	0	-	-	-	0
NPL-US	1	0	0	0	0	0	0
PADS-US	0.0625	0	0	-	-	-	0
PCB-US	0.25	0	0	0	-	-	0
Proposed-NPL-US	1	0	0	0	0	0	0
RCRA-CESQG-US	0.25	0	0	0	-	-	0
RCRA-COR-US	1	0	0	0	0	0	0
RCRA-LQG-US	0.25	0	0	0	-	-	0
RCRA-NON-US	0.25	0	0	0	-	-	0

FEDERAL ASTM/AAI DATABASES							
DATABASE SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	0.125 MILES	0.25 MILES	0.5 MILES	1.0 MILES	TOTAL
RCRA-SQG-US	0.25	1	0	1	-	-	2
RCRA-TSD-US	0.5	0	0	0	0	-	0
SAA-Agreements-US	1	0	0	0	0	0	0
Tribal-BF-US	0.5	0	0	0	0	-	0
Tribal-LUST-Closed-Reg9	0.5	0	0	0	0	-	0
Tribal-LUST-Open-Reg9	0.5	0	0	0	0	-	0
Tribal-ODI-US	0.5	0	0	0	0	-	0
Tribal-UST-Reg9	0.25	0	0	0	-	-	0
Tribal-VCP-US	0.5	0	0	0	0	-	0

STATE ASTM/AAI DATABASES							
DATABASE SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	0.125 MILES	0.25 MILES	0.5 MILES	1.0 MILES	TOTAL
AST-CA	0.25	0	0	0	-	-	0
Cal-BZ-HazWaste-CA	0.5	0	0	0	0	-	0
Cal-CorAct-Closed-CA	0.5	0	0	0	0	-	0
Cal-CorAct-Open-CA	0.5	0	0	0	0	-	0
Cal-Eval-Hist	0.5	0	0	0	0	-	0
Cal-Eval-Hist-NFA	0.5	0	0	0	0	-	0
Cal-Military-Active	1	0	0	0	0	0	0
Cal-Military-NFA	0.5	0	0	0	0	-	0
Cal-Military-Other	1	0	0	0	0	0	0
Cal-School-Active	0.5	0	0	0	0	-	0
Cal-School-NFA	0.5	0	0	0	0	-	0
Cal-School-Other	0.5	0	0	0	1	-	1
Cal-State-Response-Active	1	0	0	0	0	0	0
Cal-State-Response-NFA	0.5	0	1	0	0	-	1
Cal-State-Response-Other	0.5	0	1	0	0	-	1
Cal-Superfund-Active	1	0	0	0	0	0	0
Cal-Superfund-NFA	1	0	0	0	0	0	0
Cal-Superfund-Other	1	0	0	0	0	0	0
Cal-VCP-Active	0.5	0	0	0	1	-	1
Cal-VCP-NFA	0.5	0	0	0	0	-	0
Cal-VCP-Other	0.5	0	0	0	0	-	0
CBF-CA	0.5	0	0	0	0	-	0
CHMIRS-CA	0.0625	0	0	-	-	-	0
City-AST-CA	0.25	0	0	0	-	-	0
City-CUPA-CA	0.25	0	0	0	-	-	0
City-Others-CA	0.25	0	0	0	-	-	0
City-UST-CA	0.25	0	0	0	-	-	0
Controls-CA	0.5	0	0	0	0	-	0
CORTESE-CA	0.25	0	0	0	-	-	0
County-AST-CA	0.25	0	0	0	-	-	0
County-Hist-CA	0.25	0	0	0	-	-	0
County-LUST-CA	0.5	0	0	0	0	-	0
County-LUST-Closed-CA	0.25	0	1	0	-	-	1
County-LUST-Open-CA	0.5	0	0	0	0	-	0
County-Others-CA	0.25	0	1	0	-	-	1
County-SLIC-Closed-CA	0.25	1	0	0	-	-	1
County-SLIC-Open-CA	0.5	0	0	0	1	-	1
County-SML-CA	0.5	0	0	0	0	-	0
County-SWF-CA	0.5	0	0	0	0	-	0
County-UST-CA	0.25	0	0	0	-	-	0

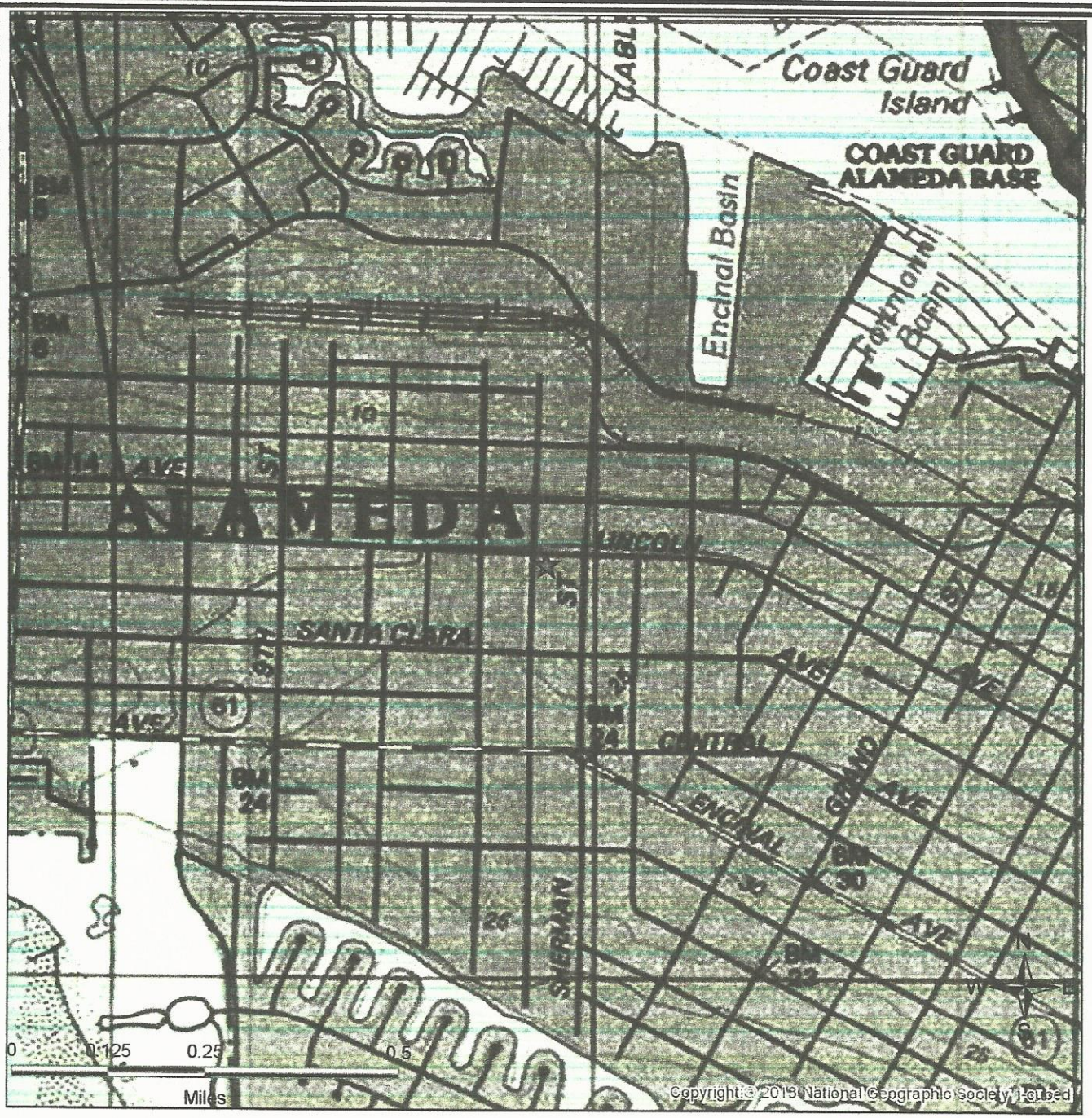
STATE ASTM/AAI DATABASES							
DATABASE SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	0.125 MILES	0.25 MILES	0.5 MILES	1.0 MILES	TOTAL
CUPA-CA	0.25	0	0	0	-	-	0
ENF-CA	0.25	1	0	0	-	-	1
HazWaste-CA	0.25	0	0	0	-	-	0
Hist-Controls-CA	0.5	0	0	0	0	-	0
Hist-Cort-CA	0.25	0	0	0	-	-	0
HIST-R4-CA	0.25	0	0	0	-	-	0
Hist-SWF-CA	0.5	0	0	0	0	-	0
Hist-UST-CA	0.25	0	2	1	-	-	3
Hist-WIP-Active-CA	0.5	0	0	0	0	-	0
Hist-WIP-Backlog-CA	0.5	0	0	0	0	-	0
Hist-WIP-Historical-CA	0.5	0	0	0	0	-	0
HWIS-CA	0.0625	0	4	-	-	-	4
Land-Disposal-CA	0.5	0	0	0	0	-	0
Liens-CA	0.0625	0	0	-	-	-	0
LUST-Closed-CA	0.25	0	1	0	-	-	1
LUST-Open-CA	0.5	0	0	0	0	-	0
Manifest2-NY	0.0625	0	0	-	-	-	0
Manifest2-RI	0.0625	0	0	-	-	-	0
PR-MOA-CA	0.25	0	0	0	-	-	0
SLIC-Closed-CA	0.5	0	0	1	2	-	3
SLIC-CV-CLOSED-CA	0.5	0	0	0	0	-	0
SLIC-CV-OPEN-CA	0.5	0	0	0	0	-	0
SLIC-Open-CA	0.5	1	0	0	1	-	2
SML-Closed-CA	0.5	0	0	0	0	-	0
SML-Open-CA	0.5	0	0	0	0	-	0
SML-Other-CA	0.5	0	0	0	0	-	0
SWIS-CA	0.5	0	0	0	0	-	0
SWRCY-CA	0.5	0	0	0	0	-	0
UST-Abandoned-CA	0.25	0	0	0	-	-	0
UST-CA	0.25	0	0	0	-	-	0
UST-Cleanup-CA	0.5	0	0	1	0	-	1
UST-Closed-CA	0.25	0	0	0	-	-	0
UST-Comp-CA	0.25	0	0	0	-	-	0
UST-Priority-CA	0.5	0	1	0	0	-	1
UST-Proposed-CA	0.25	0	0	0	-	-	0

SUPPLEMENTAL DATABASES							
DATABASE SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	0.125 MILES	0.25 MILES	0.5 MILES	1.0 MILES	TOTAL
Air-CA	0.25	0	0	0	-	-	0
AIR-DIST-CA	0.25	0	0	0	-	-	0
ALLFACS-IL	0.5	0	0	0	1	-	1
BioFuel-US	0.25	0	0	0	-	-	0
Cal-TierPer-CA	0.25	0	0	0	-	-	0
CDL-CA	0.0625	0	0	-	-	-	0
CDL-US	0.0625	0	0	-	-	-	0
CHWF-CA	0.5	0	0	0	0	-	0
Coal-Ash-Dams-US	0.5	0	0	0	0	-	0
County-BI-CA	0.25	0	0	0	-	-	0
Dams-CA	0.25	0	0	0	-	-	0
DCF2-CA	0.25	0	0	0	-	-	0
DPR-CA	0.25	0	0	0	-	-	0
DryCleaners-CA	0.25	3	0	0	-	-	3

SUPPLEMENTAL DATABASES							
DATABASE SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	0.125 MILES	0.25 MILES	0.5 MILES	1.0 MILES	TOTAL
DTG-CA	0.25	0	0	0	-	-	0
EGRID-US	0.5	0	0	0	0	-	0
EPA-Watch-List-US	0.25	0	0	0	-	-	0
FA-HW-CA	0.0625	0	0	-	-	-	0
FA-HW-US	0.0625	0	0	-	-	-	0
FA-SWF-CA	0.0625	0	0	-	-	-	0
FRS-US	0.0625	0	2	-	-	-	2
FTTS-INSP-US	0.0625	0	0	-	-	-	0
FUDS-US	1	0	0	0	0	0	0
Haulers-CA	0.0625	0	0	-	-	-	0
Hist-AFS2-US	0.25	0	0	0	-	-	0
Hist-AFS-US	0.25	0	0	0	-	-	0
Hist-CA	0.0625	0	3	-	-	-	3
Hist-FIFRA-US	0.25	0	0	0	-	-	0
HIST-MLTS-US	0.25	0	0	0	-	-	0
HIST-MTBE-CA	0.25	0	1	0	-	-	1
Historical-CA	0.5	0	0	0	0	-	0
Hist-Prop65-CA	0.25	0	0	0	-	-	0
Hist-US	0.0625	0	0	-	-	-	0
Hist-USGS-WaterWells-CA	0.0625	0	0	-	-	-	0
HWT-CA	0.25	0	0	0	-	-	0
ICIS-Air-US	0.0625	0	0	-	-	-	0
ICIS-FEC-US	0.0625	0	0	-	-	-	0
ICIS-NPDES-US	0.0625	0	0	-	-	-	0
LA-Waste-Haulers-CA	0.0625	0	0	-	-	-	0
Lead-Smelter-2-US	0.25	0	0	0	-	-	0
Lead-US	0.25	0	0	0	-	-	0
Mines-CA	0.0625	0	0	-	-	-	0
MINES-US	0.0625	0	0	-	-	-	0
MLTS-US	0.0625	0	0	-	-	-	0
MRDS-US	0.25	0	0	0	-	-	0
MWMP-CA	0.25	0	0	0	-	-	0
NEI-LF-CA	0.25	0	0	0	-	-	0
NPDES-CA	0.0625	0	0	-	-	-	0
NPDES-SW-CA	0.0625	0	0	-	-	-	0
OGW-CA	0.0625	0	0	-	-	-	0
OSCF-CA	0.5	0	0	0	0	-	0
PCS-US	0.25	0	0	0	-	-	0
Perch1-CA	0.25	0	0	0	-	-	0
Perch2-CA	0.25	0	0	0	-	-	0
RADINFO-US	0.0625	0	0	-	-	-	0
Response-CA	0.25	0	0	0	-	-	0
RFG-Lab-US	0.25	0	0	0	-	-	0
RMP-US	0.0625	0	0	-	-	-	0
ROD-US	0.5	0	0	0	0	-	0
SDWIS-US	0.25	0	0	0	-	-	0
Spills-SSO-CA	0.25	0	0	0	-	-	0
SSTS-US	0.0625	0	0	-	-	-	0
Tribal-Air-US	0.25	0	0	0	-	-	0
TRIS2000-US	0.0625	0	0	-	-	-	0
TRIS2010-US	0.0625	0	0	-	-	-	0
TRIS80-US	0.0625	0	0	-	-	-	0
TRIS90-US	0.0625	0	0	-	-	-	0
TSCA-US	0.0625	0	0	-	-	-	0
UIC2-CA	0.0625	0	0	-	-	-	0

SUPPLEMENTAL DATABASES							
DATABASE SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	0.125 MILES	0.25 MILES	0.5 MILES	1.0 MILES	TOTAL
UIC-CA	0.0625	0	0	-	-	-	0
UMTRA-US	0.0625	0	0	-	-	-	0
USGS-Waterwells-US	0.0625	0	0	-	-	-	0
Vapor-Intrusions-US	0.5	0	0	0	0	-	0
WDR-CA	0.25	0	0	0	-	-	0

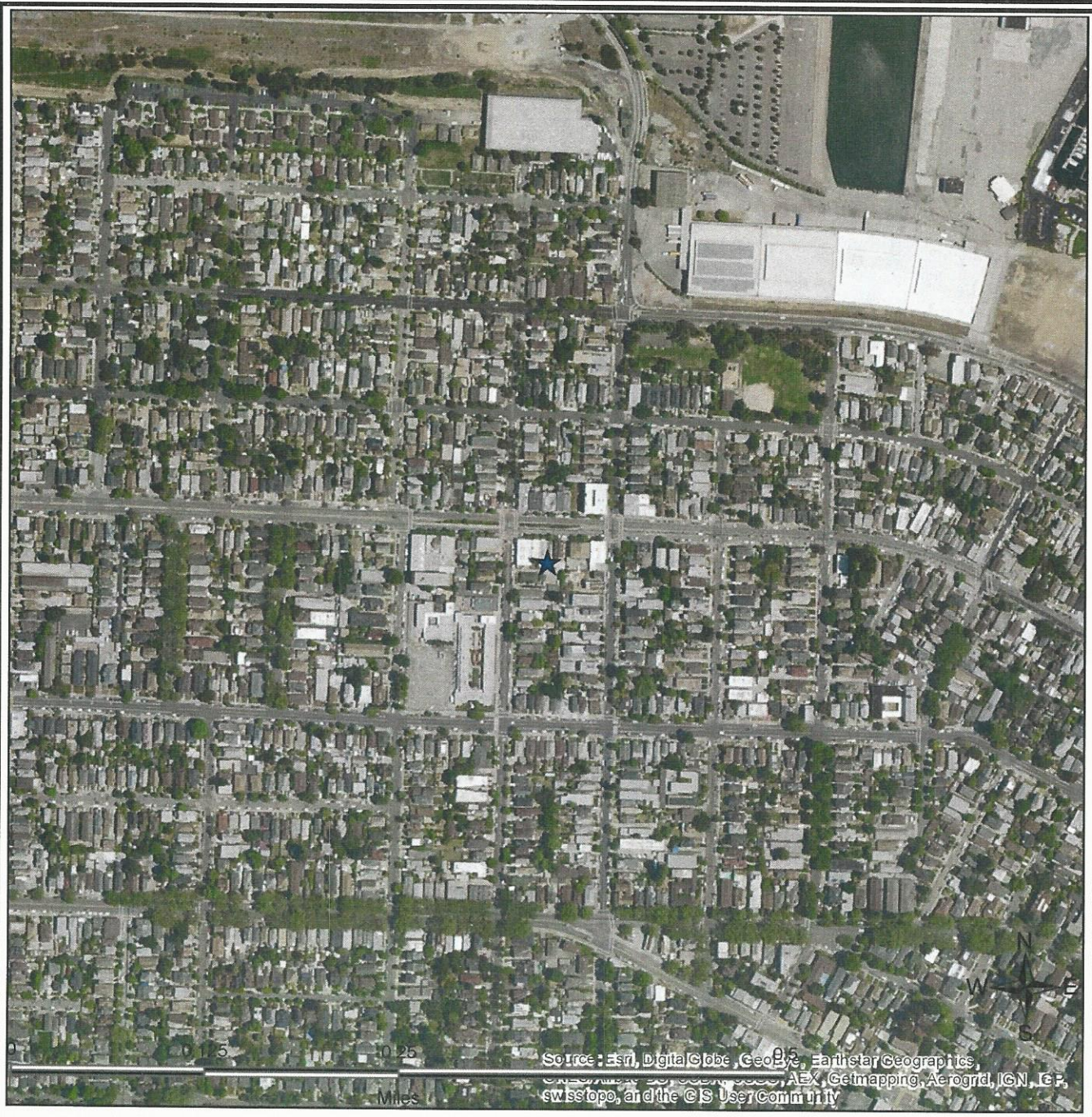
PROPRIETARY HISTORIC DATABASES							
DATABASE SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	0.125 MILES	0.25 MILES	0.5 MILES	1.0 MILES	TOTAL
Hist-Agriculture	0.0625	0	0	-	-	-	0
Hist-Auto Dealers	0.0625	0	0	-	-	-	0
Hist-Auto Repair	0.25	0	0	0	-	-	0
Hist-Chemical Manufacturing	0.0625	0	0	-	-	-	0
Hist-Cleaners	0.25	1	0	0	-	-	1
Hist-Machine Shop	0.0625	0	0	-	-	-	0
Hist-Manufacturing	0.0625	0	1	-	-	-	1
Hist-Metal Plating	0.0625	0	0	-	-	-	0
Hist-Mortuaries	0.0625	0	0	-	-	-	0
Hist-Paint-Stores	0.0625	0	0	-	-	-	0
Hist-Petroleum	0.0625	0	0	-	-	-	0
Hist-Printers	0.0625	0	1	-	-	-	1
Hist-RV-Dealers	0.0625	0	0	-	-	-	0
Hist-Salvage	0.0625	0	0	-	-	-	0
Hist-Service Stations	0.25	0	1	0	-	-	1
Hist-Transportation	0.0625	0	0	-	-	-	0
Hist-Trucking	0.0625	0	0	-	-	-	0
Hist-Vehicle-Parts	0.0625	0	0	-	-	-	0



SITE LOCATION TOPOGRAPHIC MAP

U.S. Geological Survey. Oakland West Quadrangle, 7.5 Minute Series

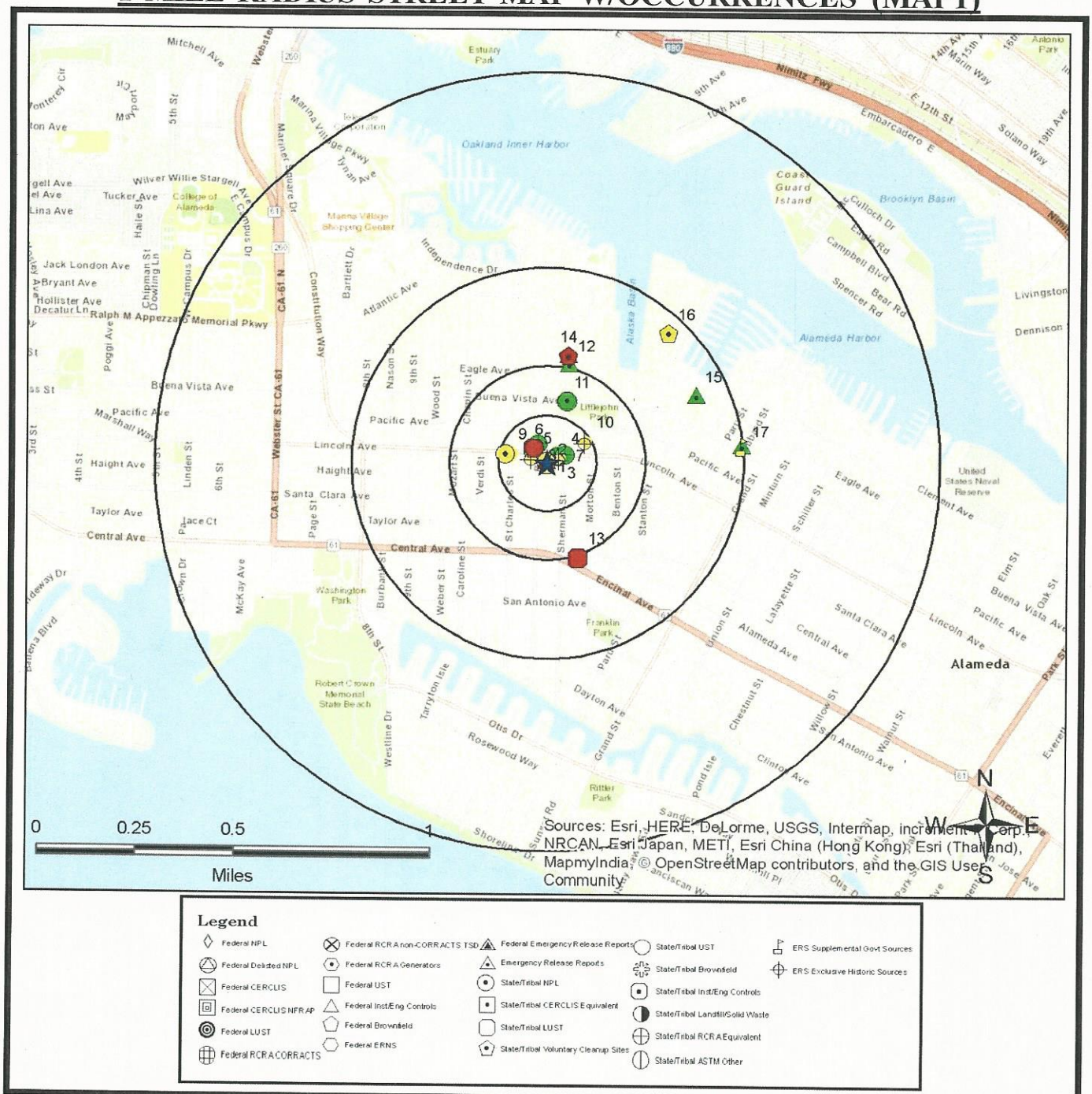
DDEE	1208 Lincoln Avenue Alameda, CA	FIGURE: JOB: DATE:	1 12/3/2015



SITE LOCATION MAP

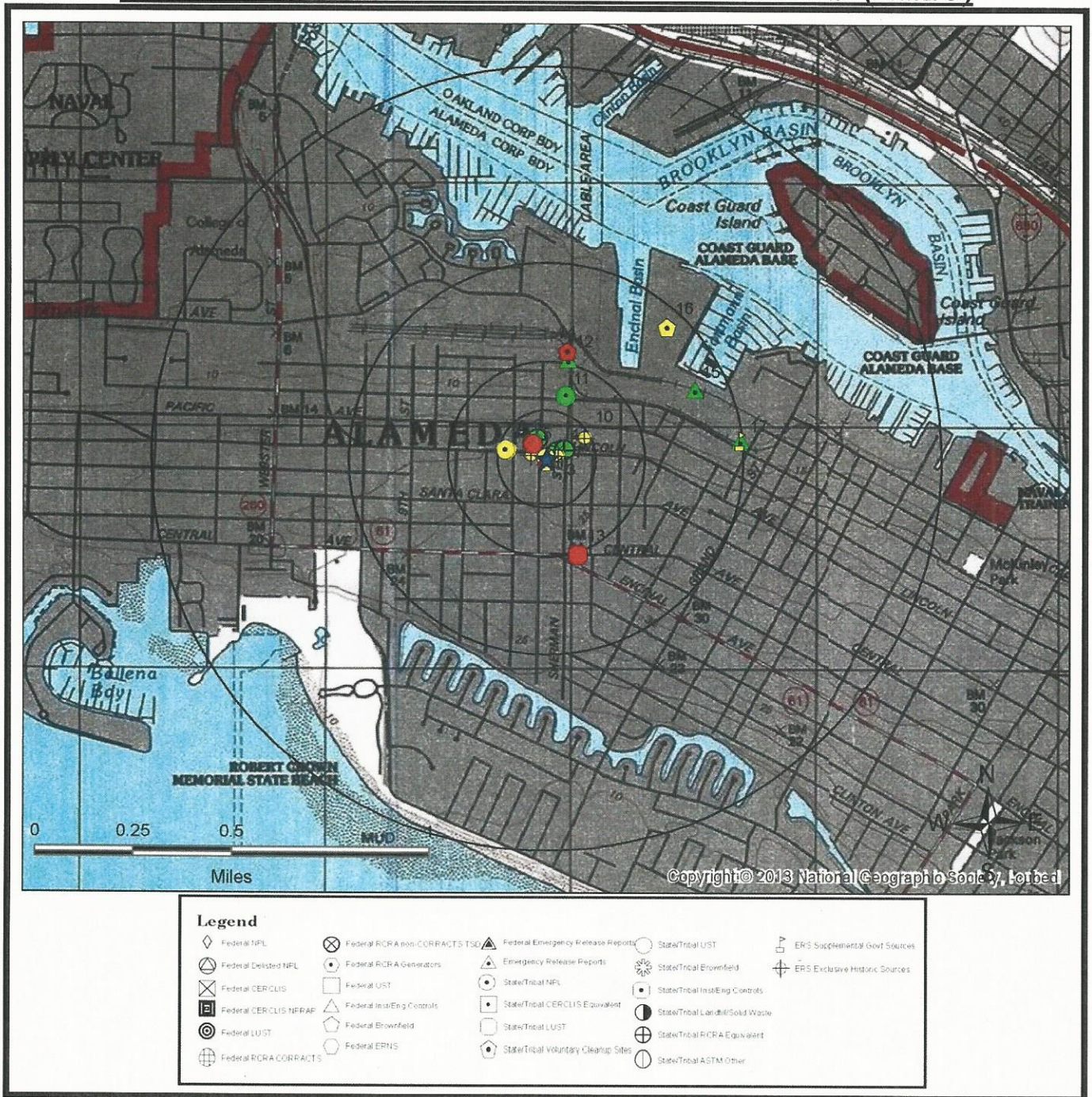
DDEE	1208 Lincoln Avenue Alameda, CA	FIGURE: 2 JOB: DATE: 12/3/2015

1-MILE RADIUS STREET MAP W/OCCURRENCES (MAP1)



All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc. **Occurrences are shown in three colors** to give a visual indication of the potential risk of the listed occurrence based on the type of list and the current status of the occurrence. Occurrences shown in **RED** are locations with known contamination that have not received a "case closed" or "no further action" status. Occurrences shown in **YELLOW** have been listed by the respective agency, but do not always represent an environmental risk. The detailed status information and description of the listing should be reviewed for further information. Occurrences shown in **GREEN** are occurrences that have active permits or have had contamination in the past but have received a "case closed" or "no further action" status and therefore, do not likely present an environmental risk.

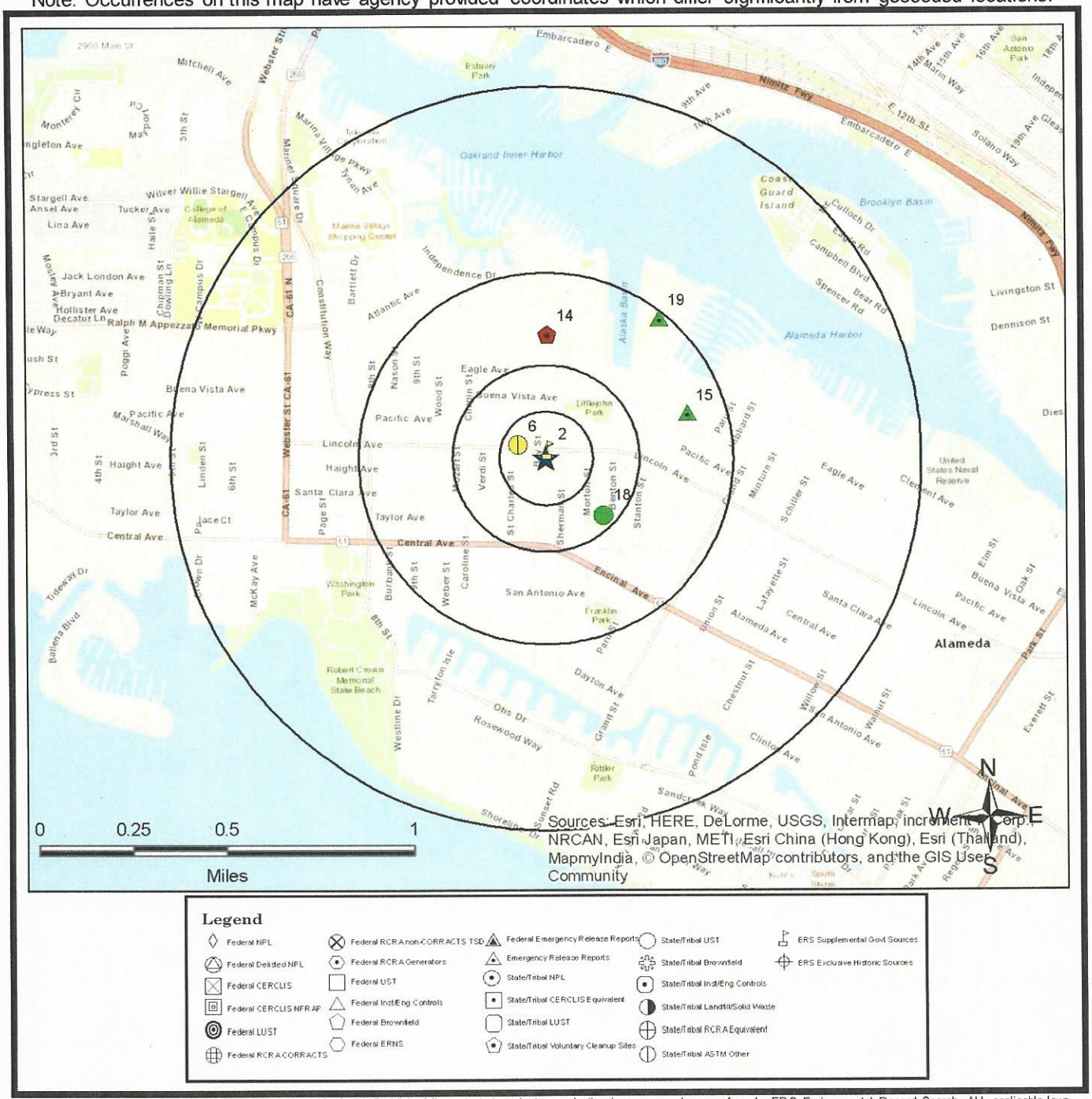
1-MILE TOPOGRAPHIC MAP W/OCCURRENCES (MAP3)



All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc. **Occurrences are shown in three colors** to give a visual indication of the potential risk of the listed occurrence based on the type of list and the current status of the occurrence. Occurrences shown in **RED** are locations with known contamination that have not received a "case closed" or "no further action" status. Occurrences shown in **YELLOW** have been listed by the respective agency, but do not always represent an environmental risk. The detailed status information and description of the listing should be reviewed for further information. Occurrences shown in **GREEN** are occurrences that have active permits or have had contamination in the past but have received a "case closed" or "no further action" status and therefore, do not likely present an environmental risk.

AGENCY DIFFERENCES IN MAPPED LOCATIONS (MAP4)

Note: Occurrences on this map have agency provided coordinates which differ significantly from geocoded locations.



SUMMARY OF AGENCY DIFFERENCES

MAP ID	ID / SITE NAME	ADDRESS / DATABASE	AGENCY COORDINATES	DISTANCE (MILES)	DIRECTION
2	110001184174 DEE BEES ELEGANT CLEANERS	1208 LINCOLN FRS-US	-122.264, 37.7748	0.02	N
6	RO0000086-ALA TEXACO #21-1322	1127 LINCOLN AVE County-Others-CA	-122.26546, 37.775	0.08	NW
14	60001930 Jean Sweeney Open Space Park	1925 Sherman Street Cal-VCP-Active	-122.26394, 37.77933	0.33	N
15	T10000004351 CHIPMAN MOVING & STORAGE	1551 BUENA VISTA AVE SLIC-Closed-CA	-122.25715, 37.77617	0.4	E
18	535672 ALASKA GASOLINEáá	1310 Central Ave. UST-CA	-122.26132, 37.77226	0.22	SE
19	SL20276894 ENCINAL TERMINALS	1521 BUENA AVENUE SLIC-Closed-CA	-122.25846, 37.77989	0.48	NE

LISTED OCCURRENCE DETAILS

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-Cleaners	Listed	Subject Site	24 ft (0 ft higher than site)	1
SITE NAME			**MAPS**	**ID**
Elegant Cleaners Alterations			1, 2, 3	75742
ADDRESS			**CITY**	**ZIP**
1208 Lincoln Ave			Alameda	
DETAILS				
Site Added: 1/1/2013				

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
County-SLIC-Closed-CA	Closed	Subject Site	24 ft (0 ft higher than site)	1
SITE NAME			**MAPS**	**ID**
Not Reported by Agency			1, 2, 3	RO0003163-ALA
ADDRESS			**CITY**	**ZIP**
1208 LINCOLN AVE			ALAMEDA	
DETAILS				
County: Alameda Responsible Agency: Alameda County Environmental Health Status: Completed - Case Closed Record ID: RO0003163 Site ID: Not Reported Global ID: Not Reported Assigned Name: SLIC Agency Provided Longitude: Not Reported Agency Provided Latitude: Not Reported				

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
DryCleaners-CA	Listed	Subject Site	24 ft (0 ft higher than site)	1

SITE NAME	MAPS	ID
DEE BEE'S ELEGANT CLEANERS	1, 2, 3	CAD981976483

ADDRESS	CITY	ZIP
1208 LINCOLN AVE	ALAMEDA	945010000

DETAILS

EPA ID: CAD981976483
CREATE DATE: 7/3/1987
FACILITY ACT IND: NO
INACT DATE: 6/30/2005
FACILITY STREET2: Not Reported
COUNTY: Alameda
MAIL NAME: Not Reported
FACILITY MAILING ADDRESS: 1208 LINCOLN AVE
FACILITY MAILING ADDRESS2: Not Reported
FACILITY MAILING CITY: ALAMEDA
FACILITY MAILING STATE: CA
FACILITY MAILING ZIP: 945012326
REGION CODE: 2
OWNER NAME: FRANK DEBIASI
OWNER ADDRESS: 1208 LINCOLN AVE
OWNER ADDRESS2: Not Reported
OWNER CITY: ALAMEDA
OWNER STATE: CA
OWNER ZIP: 945012326
OWNER PHONE: 5108650331
OWNER FAX: Not Reported
CONTACT NAME: DENNIS/FRANK DEBIASI
CONTACT ADDRESS: 1208 LINCOLN AVE
CONTACT ADDRESS2: Not Reported
CONTACT CITY: ALAMEDA
CONTACT STATE: CA
CONTACT ZIP: 945012326

More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
ENF-CA	Listed	Subject Site	24 ft (0 ft higher than site)	1

SITE NAME	MAPS	ID
ELEGANT CLEANERS	1, 2, 3	T10000006546

ADDRESS	CITY	ZIP
1208 LINCOLN AVENUE	ALAMEDA	94501

DETAILS

Global ID: T10000006546
County: Alameda
Site History: Chlorinated solvents have been detected in soil vapor in the area of a historical dry cleaning operation at the site. Further investigation of the extent of the chlorinated solvents will be required,
Case Type: Cleanup Program Site
Status: Open - Assessment & Interim Remedial Action
Lead Agency: ALAMEDA COUNTY LOP
Case Worker: KLD
Local Agency: ALAMEDA COUNTY LOP
RB Case Number: Not Reported
Loc Case Number: RO0003163
File Location: All Files are on GeoTracker or in the Local Agency Database
Potential Contaminants of Concern: Tetrachloroethylene (PCE)
Potential Media Affected: Not Reported
Action Date: 5/29/2015
Action Type: ENFORCEMENT
Action: Staff Letter - #20150529

Action Date: 5/21/2015
Action Type: ENFORCEMENT
Action: Meeting - #20150521

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
DryCleaners-CA	Listed	Subject Site	24 ft (0 ft higher than site)	1

SITE NAME	MAPS	ID
ELEGANT CLEANERS	1, 2, 3	CAL000297901

ADDRESS	CITY	ZIP
1208 LINCOLN AVE	ALAMEDA	94501

DETAILS
EPA ID: CAL000297901 CREATE DATE: 8/24/2005 3:15:26 PM FACILITY ACT IND: NO INACT DATE: 6/30/2013 FACILITY STREET2: Not Reported COUNTY: Alameda MAIL NAME: Not Reported FACILITY MAILING ADDRESS: 1208 LINCOLN AVE FACILITY MAILING ADDRESS2: Not Reported FACILITY MAILING CITY: ALAMEDA FACILITY MAILING STATE: CA FACILITY MAILING ZIP: 945010000 REGION CODE: 2 OWNER NAME: MICHAEL SADEGHI OWNER ADDRESS: 1208 LINCOLN AVE OWNER ADDRESS2: Not Reported OWNER CITY: ALAMEDA OWNER STATE: CA OWNER ZIP: 945010000 OWNER PHONE: 9253835879 OWNER FAX: 0000000000 CONTACT NAME: MICHAEL SADEGHI CONTACT ADDRESS: 1208 LINCOLN AVE CONTACT ADDRESS2: Not Reported CONTACT CITY: ALAMEDA CONTACT STATE: CA CONTACT ZIP: 945010000 More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
SLIC-Open-CA	Open - Assessment & Interim Remedial Action	Subject Site	24 ft (0 ft higher than site)	1
SITE NAME			**MAPS**	**ID**
ELEGANT CLEANERS			1, 2, 3	T10000006546
ADDRESS			**CITY**	**ZIP**
1208 LINCOLN AVENUE			ALAMEDA	94501

DETAILS
Sites Details URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000006546 Global ID: T10000006546 Case Type: Cleanup Program Site Status: Open - Assessment & Interim Remedial Action Status Date: 3/12/2015 Lead Agency: ALAMEDA COUNTY LOP Case Worker: KLD Local Agency: ALAMEDA COUNTY LOP RB Case Number: Not Reported Loc Case Number: RO0003163 File Location: All Files are on GeoTracker or in the Local Agency Database Potential Contaminants of Concern: Tetrachloroethylene (PCE) Potential Media Affected: Not Reported Site History: Chlorinated solvents have been detected in soil vapor in the area of a historical dry cleaning operation at the site. Further investigation of the extent of the chlorinated solvents will be required, Agency Provided Latitude: 37.774411 Agency Provided Longitude: -122.264084 MTBE/Region Details : Not Reported Regulatory Activites Details Action Date: 7/31/2015 Action Type: RESPONSE Action: Soil and Water Investigation Workplan Action Date: 7/6/2015 More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
DryCleaners-CA	Listed	Subject Site	24 ft (0 ft higher than site)	1
SITE NAME			**MAPS**	**ID**
ELEGANT CLEANERS INC			1, 2, 3	CAL000404830
ADDRESS			**CITY**	**ZIP**
1208 LINCOLN AVE			ALAMEDA	94501

DETAILS
EPA ID: CAL000404830 CREATE DATE: 3/4/2015 3:45:43 PM FACILITY ACT IND: YES INACT DATE: Not Reported FACILITY STREET2: Not Reported COUNTY: Alameda MAIL NAME: Not Reported FACILITY MAILING ADDRESS: 37053 CHERRY ST STE 115 FACILITY MAILING ADDRESS2: Not Reported FACILITY MAILING CITY: NEWARK FACILITY MAILING STATE: CA FACILITY MAILING ZIP: 945603780 REGION CODE: 2 OWNER NAME: ELEGANT CLEANERS INC OWNER ADDRESS: 37053 CHERRY ST STE 115 OWNER ADDRESS2: Not Reported OWNER CITY: NEWARK OWNER STATE: CA OWNER ZIP: 945603780 OWNER PHONE: 5103770233 OWNER FAX: 5108604137 CONTACT NAME: REZA SHEIKHAI CONTACT ADDRESS: 37053 CHERRY ST STE 115 CONTACT ADDRESS2: Not Reported CONTACT CITY: NEWARK CONTACT STATE: CA CONTACT ZIP: 945603780 More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
RCRA-SQG-US	Listed	Subject Site	24 ft (0 ft higher than site)	1
SITE NAME			**MAPS**	**ID**
ELEGANT CLEANERS			1, 2, 3	CAD981976483
ADDRESS			**CITY**	**ZIP**
1208 LINCOLN AVE			ALAMEDA	94501

DETAILS
Additional details may be found online using the following link: http://oaspub.epa.gov/enviro/fii_query_dtl.disp_program_facility?pgm_sys_id_in=CAD981976483&pgm_sys_acrnm_in=RCRAINFO Source Type: Notification Generator Status Universe: SQG Generator Status: Small Quantity Generator Active Site Indicator: H---- Owner Name: GREGORIO GELLE Operator Name: NOT REQUIRED In Handler Universes: Y In a Universe: Y Short Term Generator: N Importer Activity: N Mixed Waste Generator: N Transporter Activity: N Transfer Facility: N Recycler Activity: N Onsite Burner Exemption: N Furnace Exemption: N Underground Injection Activity: N Receives Waste From Off-site: N Universal Waste: N Universal Waste Destination Facility: N Used Oil Universe: NNNNNNN Federal Universal Waste: N Active Site Federally Regulated TSDF: ------ Active Site Converter TSDF: ------ Active Site State Regulated TSDF: --------- More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-CA	No Longer Listed	0.01 miles S	26 ft (2 ft higher than site)	2
SITE NAME			**MAPS**	**ID**
DEE BEE'S ELEGANT CLEANERS			1, 2, 3	BAY AQMD-ALA-5076
ADDRESS			**CITY**	**ZIP**
1208 LINCOLN			ALAMEDA	94501

DETAILS
Original Database: Air-CA Last Agency Status: Listed Archive Date: 07/17/15 No Longer Listed-Agency ID Desc: The first portion is the Air Quality District, the second portion is the County, the last is the Facility ID Facility ID: 5076 AIR BASIN: SF County code: Not Reported COID: Not Reported CHAPIS: Not Reported CERR_CODE: Not Reported Year: 2013 TOG: 0.32 ROG: 0.128 CO: 0 NOX: 0 SOX: 0 PM: 0 PM10: 0

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-CA	No Longer Listed	0.01 miles S	26 ft (2 ft higher than site)	2
SITE NAME			**MAPS**	**ID**
DEE BEE'S ELEGANT CLEANERS			1, 2, 3	E64EE723-BAY AQMD-ALA-5076
ADDRESS			**CITY**	**ZIP**
1208 LINCOLN			ALAMEDA	94501

DETAILS
Original Database: Air-CA Last Agency Status: Listed Archive Date: 05/29/2015 Agency ID Desc: The first portion is the Air Quality District, the second portion is the County, the last is the Facility ID Facility ID: 5076 AIR BASIN: SF County code: Not Reported COID: Not Reported CHAPIS: Not Reported CERR_CODE: Not Reported Year: 2013 TOG: 0.32 ROG: 0.128 CO: 0 NOX: 0 SOX: 0 PM: 0 PM10: 0

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
FRS-US	Listed	0.01 miles S	26 ft (2 ft higher than site)	2
SITE NAME			**MAPS**	**ID**
DEE BEES ELEGANT CLEANERS			1, 2, 3	110001184174
ADDRESS			**CITY**	**ZIP**
1208 LINCOLN			ALAMEDA	94501-2326
DETAILS				
Registry ID: 110001184174 FRS Facility Detail: http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110001184174 Create Date: 01-MAR-2000 00:00:00 Update Date: 14-APR-2015 21:17:11 Program System: EIS, HWTS-DATAMART, RCRAINFO Interest Types: HAZARDOUS AIR POLLUTANT MAJOR, SQG, STATE MASTER				

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
HWIS-CA	Listed	0.03 miles NE	24 ft (0 ft higher than site)	3

SITE NAME	MAPS	ID
YOUNG'S COCKTAILS	1, 2, 3	CAC000886176

ADDRESS	CITY	ZIP
1270 LINCOLN AVE	ALAMEDA	94501

DETAILS

Year: 1994
CAT_DESC: Asbestos containing waste
CODE_VALUE_DESC: DISPOSAL, LAND FILL
TONS: 2.5284

Year: 1994
CAT_DESC: Asbestos containing waste
CODE_VALUE_DESC: LANDFILL
TONS: 2.5284

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-CA	No Longer Listed	0.03 miles NE	24 ft (0 ft higher than site)	3

SITE NAME	MAPS	ID
YOUNG'S COCKTAILS	1, 2, 3	BBF69942-CAC000886176

ADDRESS	CITY	ZIP
1270 LINCOLN AVE	ALAMEDA	94501

DETAILS

No Additional Details Found

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-Manufacturing	Listed	0.03 miles E	23 ft (1 ft lower than site)	4
SITE NAME			MAPS	ID
Bay Island Press			1, 2, 3	22052
ADDRESS			CITY	ZIP
1222 Lincoln Ave			Alameda	94501-2326
DETAILS				
Site Added: 1/1/2013				

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-Printers	Listed	0.04 miles W	23 ft (1 ft lower than site)	5
SITE NAME			MAPS	ID
Barron Publications			1, 2, 3	41585
ADDRESS			CITY	ZIP
1128 Lincoln Ave			Alameda	94501
DETAILS				
Sic Code: 2721 Desc: Printer/Publisher/Comm./Retail Site Added: 2/2010				

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
County-Others-CA	Listed	0.05 miles NW	23 ft (1 ft lower than site)	6
SITE NAME			MAPS	ID
TEXACO #21-1322			1, 2, 3	RO0000086-ALA
ADDRESS			CITY	ZIP
1127 LINCOLN AVE			Alameda	94501

DETAILS
Inventory County: Alameda Type: Contaminated Sites SITE CONTACT: CHAN, BARNEY Program Element: 5602 STATUS: case closed Details Record ID: RO0000086 Site ID: SD0000086 Substance Code: 8006619 Substance Description: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded Release Type Code: UST Release Type Description: Substance released from Underground Storage Tank System Program Code: LUST Responsible Party Identification Description: RP Identified & Solvent Responsible Party Identification Date: 11/21/1991 Media Affected Description: Other Groundwater affected (uses other than drinking water) Agency Provided Latitude: 37.7749997074 Agency Provided Longitude: -122.2654624976 Organization Name: ALAMEDA COUNTY LOP Owner Type Description: Not Applicable Status Description: Case Closed Organization Name: L&M PAGANO TRUST Owner Type Description: Property/Fee Title Owner More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
LUST-Closed-CA	Completed - Case Closed	0.05 miles NW	23 ft (1 ft lower than site)	6
SITE NAME			**MAPS**	**ID**
TEXACO #21-1322			1, 2, 3	T0600100829
ADDRESS			**CITY**	**ZIP**
1127 LINCOLN			Alameda	94501

DETAILS
Sites Details URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0600100829 Global ID: T0600100829 Case Type: LUST Cleanup Site Status: Completed - Case Closed Status Date: 11/26/2001 Lead Agency: ALAMEDA COUNTY LOP Case Worker: Not Reported Local Agency: Not Reported RB Case Number: 01-0902 Loc Case Number: RO0000086 File Location: All Files are on GeoTracker or in the Local Agency Database Potential Contaminants of Concern: Gasoline Potential Media Affected: Other Groundwater (uses other than drinking water) Site History: Not Reported Agency Provided Latitude: 37.775046 Agency Provided Longitude: -122.264846 MTBE/Region Details : Not Reported Regulatory Activites Details Action Date: 9/1/1993 Action Type: REMEDIATION Action: Excavation Action Date: 9/22/1989 More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
UST-Priority-CA	Listed	0.05 miles NW	23 ft (1 ft lower than site)	6
SITE NAME			**MAPS**	**ID**
TEXACO #624881450			1, 2, 3	10106
ADDRESS			**CITY**	**ZIP**
1127 LINCOLN AVE			ALAMEDA	94501

DETAILS
Facility Information Global ID: 10106 Claim Number: T0600100829 County: Alameda Priority: D Rank: 1651 Report Date: 9/22/1989 Stop Date: Not Reported Discovered Date: Not Reported Claimant: CHEVRON PRODUCTS COMPANY Lead Agency: ALAMEDA COUNTY LOP Regional GIS Information Agency Provided Longitude: -122.264846 Agency Provided Latitude: 37.775046

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
FRS-US	Listed	0.05 miles NW	23 ft (1 ft lower than site)	6
SITE NAME			**MAPS**	**ID**
ROYAL AUTO REPAIR			1, 2, 3	110055697848
ADDRESS			**CITY**	**ZIP**
1127 LINCOLN AVE			ALAMEDA	94501
DETAILS				
Registry ID: 110055697848 FRS Facility Detail: http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110055697848 Create Date: 15-SEP-2013 11:36:21 Program System: CA-CERS Interest Types: STATE MASTER				

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-UST-CA	Listed	0.05 miles NW	23 ft (1 ft lower than site)	6
SITE NAME			**MAPS**	**ID**
BAY ST SERVICE STATION			1, 2, 3	215865
ADDRESS			**CITY**	**ZIP**
1127 LINCOLN AVE			ALAMEDA	94501
DETAILS				
Note: ID has been assigned by ERS Tank Details: http://geotracker.w aterboards.ca.gov/ustpdfs/pdf/000360DF.pdf County: Alameda				

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-UST-CA	Listed	0.05 miles NW	23 ft (1 ft lower than site)	6
SITE NAME			**MAPS**	**ID**
BAY STREET SERVICE STATION			1, 2, 3	215867
ADDRESS			**CITY**	**ZIP**
1127 LINCOLN AVENUE			ALAMEDA	94501
DETAILS				
Note: ID has been assigned by ERS Tank Details: http://geotracker.w aterboards.ca.gov/ustpdfs/pdf/000360DE.pdf County: Alameda				

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
HWIS-CA	Listed	0.05 miles NW	23 ft (1 ft lower than site)	6
SITE NAME			**MAPS**	**ID**
LEWIS BAY STREET AUTO SERVICE			1, 2, 3	CAL000014822
ADDRESS			**CITY**	**ZIP**
1127 LINCON AVE			ALAMEDA	94501

DETAILS
Year: 1997 CAT_DESC: Aqueous solution w ith total organic residues less than 10 percent TONS: 0.3336

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
County-LUST-Closed-CA	Closed	0.05 miles NW	23 ft (1 ft lower than site)	6
SITE NAME			**MAPS**	**ID**
Not Reported by Agency			1, 2, 3	RO0000086-ALA
ADDRESS			**CITY**	**ZIP**
1127 LINCOLN AVE			Alameda	94501
DETAILS				
County: Alameda Responsible Agency: Alameda County Environmental Health Status Code: 9 Status: Case Closed Record ID: RO0000086 Site ID: SD0000086 Global ID: T0600100829 Assigned Name: MAINSITE Agency Provided Longitude: -122.2654624976 Agency Provided Latitude: 37.7749997074				

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
HIST-MTBE-CA	Listed	0.05 miles NW	23 ft (1 ft lower than site)	6
SITE NAME			**MAPS**	**ID**
BAY ST SVC STATION			1, 2, 3	8069-R2
ADDRESS			**CITY**	**ZIP**
1127 LINCOLN AVE			ALAMEDA	94501

DETAILS
Region: 2 - San Francisco County: Alameda Ground Water Detection Limit: 2400 Soil Detection Limit: 1000 MTBE Cnts: 2 MTBE Fuel: 1 Status: 9 MTBE Tested: YES

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
HWIS-CA	Listed	0.05 miles E	24 ft (0 ft higher than site)	7
SITE NAME			**MAPS**	**ID**
BRADFORD KRUCK			1, 2, 3	CAC002661726
ADDRESS			**CITY**	**ZIP**
1604 SHERMAN ST			ALAMEDA	94501

DETAILS
Year: 2011 CAT_DESC: Asbestos containing waste CODE_VALUE_DESC: LANDFILL OR SURFACE IMPOUNDMENT THAT WILL BE CLOSED AS LANDFILL(TO INCLUDE ON-SITE TREATMENT AND/OR STABILIZATION) TONS: 0.4

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
HWIS-CA	Listed	0.05 miles NW	21 ft (3 ft lower than site)	8
SITE NAME			**MAPS**	**ID**
REX M. POTTER CONSTRUCTION			1, 2, 3	CAL000169453
ADDRESS			**CITY**	**ZIP**
1606 DAY ST STE A			ALAMEDA	94501

DETAILS
Year: 1997 CAT_DESC: Photochemicals/photoprocessing waste CODE_VALUE_DESC: RECYCLER TONS: 0.1876

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Cal-State-Response-Other	Listed	0.1 miles W	23 ft (1 ft lower than site)	9

SITE NAME	MAPS	ID
Presidio of San Francisco/Baker Beach Disturbed Area 2	1, 2, 3	60001638

ADDRESS	CITY	ZIP
Lincoln Blvd.	San Francisco	94129

DETAILS

URL: http://www.envirostor.dtsc.ca.gov/public/profile_report.asp?global_id=60001638
Envirostor ID: 60001638
County: SAN FRANCISCO
Site Type: State Response
Site Type Detailed: Closed Base
Acres: 0.7
APN: NONE SPECIFIED
National Priorities List: NO
Lead Agency: SMBRP
Project Manager: George Chow
Supervisor: Denise Tsuji
Division Branch: Cleanup Berkeley
Site Code: 201239
Assembly: 18
Senate: 11
Congressional District: 13
Special Program: Not Reported
Status: Certified
Status Date: Not Reported
Past Uses: LDF
Restricted Use: NO
Funding: BRAC 88
Regulatory Agencies Involved: SMBRP
Potential Contamination of Concern: 30004, 30008, 30013, 30019, 30021, 30156, 30594
Confirmed Contamination of Concern: 30004,30008,30013,30019,30156,30594,30021
Potential Media Affected: SOIL
Site MGMT REQ: NONE SPECIFIED
More Details Link

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Cal-State-Response-NFA	Listed	0.1 miles W	23 ft (1 ft lower than site)	9

SITE NAME	MAPS	ID
Presidio of San Francisco/Baker Beach Disturbed Area 2	1, 2, 3	60001638

ADDRESS	CITY	ZIP
Lincoln Blvd.	San Francisco	94129

DETAILS

URL: http://www.envirostor.dtsc.ca.gov/public/profile_report.asp?global_id=60001638
Envirostor ID: 60001638
County: SAN FRANCISCO
Site Type: State Response
Site Type Detailed: Closed Base
Acres: 0.7
APN: NONE SPECIFIED
National Priorities List: NO
Lead Agency: SMBRP
Project Manager: George Chow
Supervisor: Denise Tsuji
Division Branch: Cleanup Berkeley
Site Code: 201239
Assembly: 18
Senate: 11
Congressional District: 13
Special Program: Not Reported
Status: Certified
Status Date: Not Reported
Past Uses: LDF
Restricted Use: NO
Funding: BRAC 88
Regulatory Agencies Involved: SMBRP
Potential Contamination of Concern: 30004, 30008, 30013, 30019, 30021, 30156, 30594
Confirmed Contamination of Concern: 30004,30008,30013,30019,30156,30594,30021
Potential Media Affected: SOIL
Site MGMT REQ: NONE SPECIFIED

More Details Link