ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

September 18, 2008

Murial Blank
Blank Family Trust
1164 Solano Avenue, #406
Albany, CA 94706

Subject: Fuel Leak Case, RO0002976, Clean Living Cleaners, 1538 Solano Avenue, Albany, CA 94706

Dear Ms. Blank:

This letter transmits the enclosed underground storage tank (UST) case closure letter in accordance with Chapter 6.75 (Article 4, Section 25299.37[h]). The State Water Resources Control Board adopted this letter on February 20, 1997. As of March 1, 1997, the Alameda County Environmental Health (ACEH) is required to use this case closure letter for all UST leak sites. We are also transmitting to you the enclosed case closure summary. These documents confirm the completion of the investigation and cleanup of the reported release at the subject site. The subject fuel leak case is closed.

SITE INVESTIGATION AND CLEANUP SUMMARY

Please be advised that the following conditions exist at the site:

- Residual pollution remaining in soil beneath the site includes Tetrachloroethene at concentrations of up to 0.43 mg/kg.
- Maximum concentrations of up to 2.9 µg/L Tetrachloroethene remain in groundwater beneath the site.

If you have any questions, please call Paresh Khatri at (510) 777-2478. Thank you.

Sincerely,

Donna L. Drogos, P.E.
LOP and Toxics Program Manager

Enclosures:
1. Remedial Action Completion Certificate
2. Case Closure Summary

cc:
Ms. Cherie McCaulou (w/enc)
SF- Regional Water Quality Control Board
1515 Clay Street, Suite 1400
Oakland, CA 94612

Closure Unit (w/enc)
State Water Resources Control Board
UST Cleanup Fund
P.O. Box 944212
Sacramento, CA 94244-2120

Paresh Khatri (w/orig enc), D. Drogos (w/enc), R. Garcia (w/enc)

CASE CLOSURE SUMMARY
SLIC – SPILLS, LEAKS, INVESTIGATION AND CLEANUP

I. AGENCY INFORMATION

Date: August 28, 2008

Agency Name: Alameda County Environmental Health	Address: 1131 Harbor Bay Parkway
City/State/Zip: Alameda, CA 94502-6577	Phone: (510) 777-2478
Responsible Staff Person: Paresh Khatri	Title: Hazardous Materials Specialist

II. CASE INFORMATION

Site Facility Name: Clean Living Cleaners		
Site Facility Address: 1538 Solano Avenue, Albany, California 94706		
RB Case No.: NA	Local Case No.: NA	LOP Case No.: RO0002976
URF Filing Date: --	Global ID No.:	APN: 65-2638-2-2

Responsible Parties	Addresses	Phone Numbers
Blank Family Trust c/o Mrs. Muriel T. Blank	1164 Solano Avenue #406 Albany, CA 94706 -or- 1015 Romana Avenue Albany, CA 94706	

Tank I.D. No	Size in Gallons	Contents	Closed In Place/Removed?	Date
Piping				

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: Unknown		
Site characterization complete? Yes	Date Approved By Oversight Agency: 08/15/2008	
Monitoring wells installed? No	Number: 0	Proper screened interval? NA
Highest GW Depth Below Ground Surface: 18 ft bgs	Lowest Depth: 13 ft bgs	Flow Direction: Assumed West to Northwesterly
Most Sensitive Current Use: Potential drinking water source.		

Summary of Production Wells in Vicinity: A well survey was not conducted. Considering the non-migratory residual concentrations of dissolved phase halogenated VOCs in the groundwater that is confined to the primary source areas at the Site, no water wells, deeper drinking water aquifers, surface water or other sensitive receptors are likely to be impacted. Therefore, since the contaminant plume likely does not extend beyond the subject property, a well survey does not appear warranted.

Are drinking water wells affected? No	Aquifer Name: East Bay Plain Basin
Is surface water affected? No	Nearest SW Name: San Francisco Bay, located approximately 1 miles west of the site.
Off-Site Beneficial Use Impacts (Addresses/Locations): None	
Reports on file? Yes	Where are reports filed? Alameda County Environmental Health

TREATMENT AND DISPOSAL OF AFFECTED MATERIAL

Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Tank	NA	---	---
Piping	NA	---	---
Free Product	NA	---	---
Soil	NA	---	---
Groundwater	NA	---	---

MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS BEFORE AND AFTER CLEANUP
(Please see Attachments for additional information on contaminant locations and concentrations)

Contaminant	Soil (ppm)		Water (ppb)	
	Before	After	Before	After
PCE	0.43 (B-1, 15 ft bgs, 12/12/07)	0.43 (B-1, 15 ft bgs, 12/12/07)	2.9 (B-1W,15 ft bgs,12/12/07)	2.9 (B-1W,15 ft bgs,12/12/07)
TCE	<0.025 (B-1, 15 ft bgs, 12/12/07)	<0.025 (B-1, 15 ft bgs, 12/12/07)	<0.5 (B-1W,15 ft bgs,12/12/07)	<0.5 (B-1W,15 ft bgs,12/12/07)
cis,1-2-DCE	<0.025 (B-1, 15 ft bgs, 12/12/07)	<0.025 (B-1, 15 ft bgs, 12/12/07)	<0.5 (B-1W,15 ft bgs,12/12/07)	<0.5 (B-1W,15 ft bgs,12/12/07)
Vinyl Chloride	<0.025 (B-1, 15 ft bgs, 12/12/07)	<0.025 (B-1, 15 ft bgs, 12/12/07)	<0.5 (B-1W,15 ft bgs,12/12/07)	<0.5 (B-1W,15 ft bgs,12/12/07)

Site History and Description of Corrective Actions:

The site is located on the east side of the city of Albany, California, and occupies the southwest corner of the intersection of Solano and Peralta Avenues. Solano Avenue slopes down to the west from the Berkeley Hills to near East Shore Highway (Interstate 80) and San Francisco Bay. Topographic maps of the area indicate generally westerly or southwesterly surface gradient in the site vicinity. The groundwater flow direction is probably also generally westerly, toward San Francisco Bay.

According to Responsible Party, the family purchased the property in 1956. In circa 1960, the existing structures were razed. The first record of occupancy of 1538 Solano Avenue that was identified was the Prehop Dry Cleaner in 1970. Reportedly, the dry cleaning operation ceased in November 1991, but began under new ownership in 1992. While there is no obvious evidence of a release of dry cleaning fluids to the site, this ESA did not identify any record of waste disposal between 1970 and 1984, and the only evidence of appropriate disposal between 1984 and 2007 are periodic

ACEH records that indicate that the various owners reported that waste was appropriately disposed of at an offsite location.

To assess subsurface conditions and to verify whether a solvent release has occurred at the site, Edd Clark and Associates (EC&A) installed one exploratory boring (B-1) on December 12, 2007 and collected soil and grab groundwater samples for chemical analyses. Boring B-1 was advanced in the patio area adjacent to the crawl/storage space beneath the dry cleaning facility. The dry cleaning maching is located approximately 10 feet to the northeast and 10 feet above B-1, at Clean Living Cleaners. Boring B-1 was drilled to depth of 20.5 feet bgs. Soil samples were collected from each boring at a minimum of every 5 ft, at any change in lithology, any obviously contaminated soil and where possible, at the approximate soil/groundwater interface. The soil and groundwater samples were analyzed for halogenated VOCs.

Following sample collection, the borings were backfilled by tremie grouting to within 5 feet of the ground surface then filled with bentonite chips to within approximately ½ foot of the ground surface. The top ½ to 1 ft of the borings were capped with asphalt or concrete to match surrounding grade.

PCE was detected in two of the three soil samples collected from the vicinity of the dry cleaner at a maximum concentration of 0.43 mg/kg in a soil sample collected at 15 feet bgs and non-detect (<0.005 mg/kg) at 20 feet bgs. PCE was also detected in a "grab" groundwater sample boring B-1W at a concentration of 2.9 µg/L. Vinyl Chloride was not detected above the laboratory detection limit of <0.5 µg/L.

The site contaminant concentrations were compared to applicable Regional Water Quality Control Board's (RWQCB) Environmental Screening Levels (ESLs). PCE (0.43 mg/kg) and vinyl chloride (<0.025 mg/kg) were detected in soil slightly above the ESLs for residential land-use risk scenario where groundwater is a current or potential drinking water resource of 0.370 mg/kg and 0.022 mg/kg, respectively. Therefore, the residual concentrations of contaminants in soil do not appear to pose a appreciable risk to human health or the environment. PCE was detected at a concentration of 2.9 µg/L, below its ESL of 5 µg/L. Vinyl chloride was not detected above the laboratory detection limit of <0.5 µg/L. Therefore, it is assumed that the concentrations of residual halogenated VOC in the groundwater at the site do not pose a significant risk to human health or the environment.

No additional subsurface investigation consisting of borings or permanent groundwater monitoring points were installed and based on the analytical data, do not appear warranted.

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Yes		
Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? Yes		
Does corrective action protect public health for current land use? Alameda County Environmental Health staff does not make specific determinations concerning public health risk. However, based upon the information available in our files to date, it does not appear that the release would present a significant risk to human health based upon current land use and conditions.		
Site Management Requirements: City of Albany Building Department has been notified that should excavation or development of the property be proposed that may encounter impacted soil or groundwater, Alameda County Environmental Health must be notified as required by Government Code Section 65850.2.2. The current property owner/developer must submit a soil and groundwater management plan for review prior to any construction activities. Please note that case closure for the fuel leak site is granted for commercial land use. If a change in land use to residential or other conservative scenario occurs at this property, Alameda County Environmental Health must be notified and the case needs to be re-evaluated.		
Should corrective action be reviewed if land use changes? Yes.		
Was a deed restriction or deed notification filed? No		Date Recorded: --
Monitoring Wells Decommissioned: No	Number Decommissioned: 0	Number Retained: 0
List Enforcement Actions Taken: None		
List Enforcement Actions Rescinded: --		

V. ADDITIONAL COMMENTS, DATA, ETC.

Considerations and/or Variances:
Residual concentrations of PCE were detected in soil at concentrations of up to 0.43 mg/kg µg/L, which exceeds the ESLs of 0.370 mg/kg where groundwater is a potential drinking water resource. Residual concentrations of PCE was detected in groundwater at concentrations of up to 2.9 µg/L, which is below the ESLs where groundwater is a potential drinking water source The concentrations of PCE are expected to decrease over time as a result of biodegradation and natural attenuation processes. Please note that case closure for the fuel leak site is granted for commercial land use. If a change in land use to residential or other conservative scenario occurs at this property, Alameda County Environmental Health must be notified and the case needs to be re-evaluated.

Conclusion:
Alameda County Environmental Health staff consider that the levels of residual contamination do not pose a significant threat to water resources, public health and safety, and the environment based upon the information available in our files to date. No further investigation or cleanup is necessary. ACEH staff recommend case closure for this site based on the current commercial use of the site.

VI. LOCAL AGENCY REPRESENTATIVE DATA

Prepared by: Paresh Khatri	Title: Hazardous Materials Specialist
Signature:	Date: August 28, 2008
Approved by: Donna L. Drogos, P.E.	Title: Supervising Hazardous Materials Specialist
Signature:	Date: 08/28/08

This closure approval is based upon the available information and with the provision that the information provided to this agency was accurate and representative of site conditions.

VII. REGIONAL BOARD NOTIFICATION

Regional Board Staff Name: Cherie McCaulou	Title: Engineering Geologist
RB Response: Concur, based solely upon information contained in this case closure summary.	Date Submitted to RB: 09/03/08
Signature:	Date: 09/05/08

VIII. MONITORING WELL DECOMMISSIONING

Date Requested by ACEH:	Date of Well Decommissioning Report:	
All Monitoring Wells Decommissioned:	Number Decommissioned:	Number Retained:
Reason Wells Retained: No monitoring wells installed or retained.		
Additional requirements for submittal of groundwater data from retained wells: None		
ACEH Concurrence - Signature:		Date:

Attachments:
1. Tables 1 & 2 (Comparison of residual contamination to applicable ESLs).
2. Site Vicinity Map.

3. Site Plan/Sample Location Plan.
4. Soil & Groundwater Analyses Data from 12/2007
5. Boring Logs (1 pp)

This document and the related CASE CLOSURE LETTER & REMEDIAL ACTION COMPLETION CERTIFICATE shall be retained by the lead agency as part of the official site file.

Environmental Impacts in Soil

Clean Living Cleaners

1538 Solano Avenue, Albany, California

Table 1. Comparison of Maximum Residual Soil Concentrations at the Site to Relevant Cleanup Standards (mg/kg)

	TPH-g (mg/kg)	TPH-d (mg/kg)	TPH-mo (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl Benzene (mg/kg)	Xylenes (mg/kg)	MtBE (mg/kg)	PCE (mg/kg)	TCE (mg/kg)	1,1-DCE (mg/kg)	Vinyl Chloride (mg/kg)
Maximum Residual Soil Concentrations at Site in milligrams per kilogram	2.6	6.8	9.1	0.0058	0.011	<0.005	<0.016	**<0.05**	**0.43**	<0.025	<0.025	**<0.025**
RWQCB, Region 2 ESLs[1]	83[3]	83[3]	370[2]	0.044[3]	2.9[3]	2.3[2]	2.3[3]	0.023[3]	0.370[2]	0.46[3]	1.0[3]	0.022[2]

Pb: a composite drum sample yielded 14 mg/kg

[1] Environmental Screening Levels (ESLs); Shallow Soil Screening Level for residential land use where potentially impacted groundwater is current or potential drinking water resource. Shallow soils defined as soils situated <3 meters below the ground surface. Depth to water varied between 13 ft and 18 ft bgs.

[2] Lowest ESL value based on direct exposure scenario. Depth to water varied between 13 ft and 18 ft bgs.

[3] Lowest ESL value based on groundwater protection (soil leaching). Depth to water varied between 13 ft and 18 ft bgs.

Environmental Impacts in Groundwater

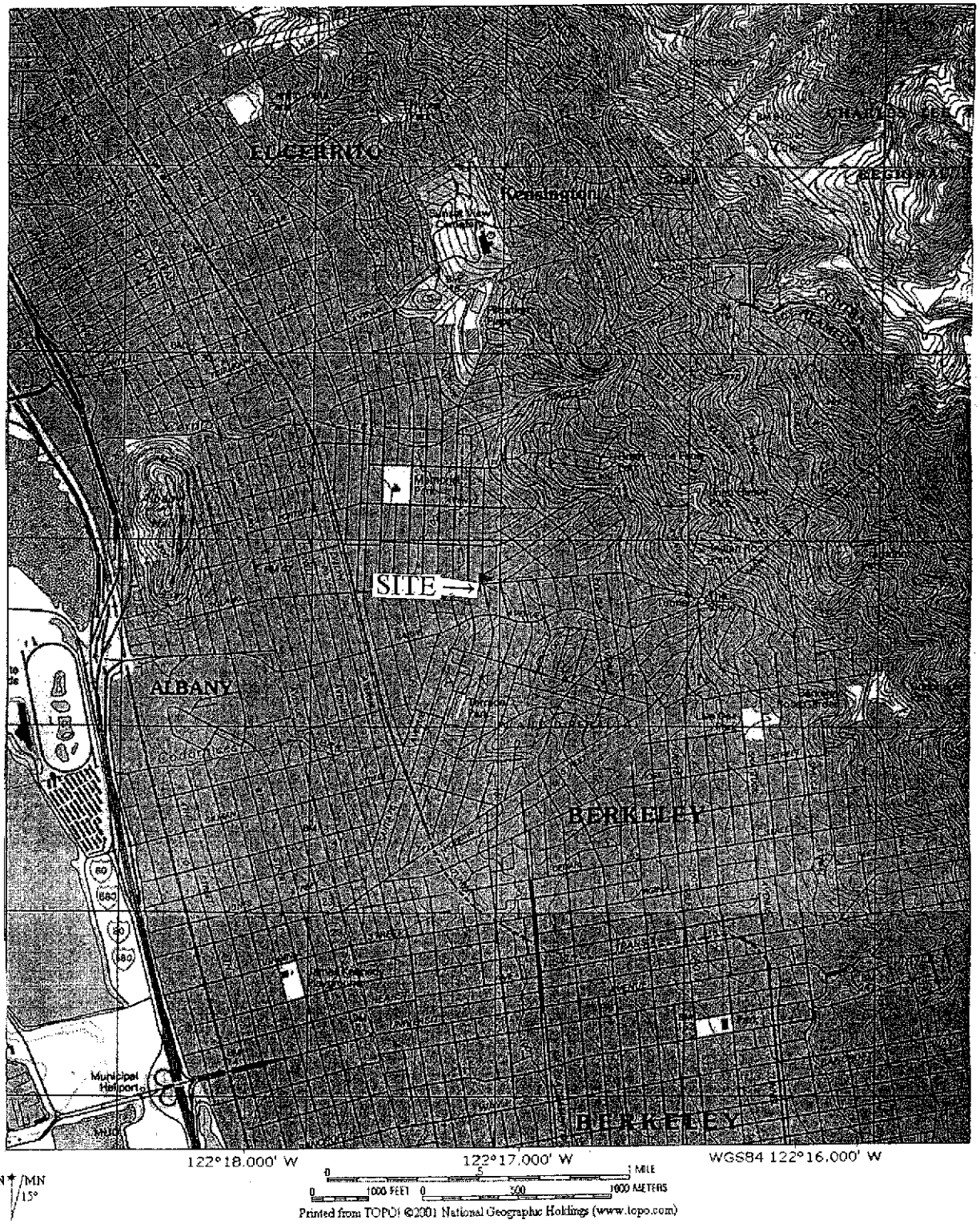
Clean Living Cleaners

1538 Solano Avenue, Albany, California

Table 2. Comparison of Maximum Residual Groundwater Concentrations at the Site to Relevant Cleanup Standards (µg/L)

	TPH-g (µg/L)	TPH-d (µg/L)	TPH-mo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	PCE (µg/L)	TCE (µg/L)	1,1-DCA (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
Maximum Residual Groundwater Concentrations at Site	<50	**200**	**<250**	0.59	0.67	<0.5	<0.5	<5.0	2.9	<0.5	<0.5	<0.5	<0.5
RWQCB Region 2 ESLs[2]	100[1] 100[2] 210[3] 210[6]	100[1] 100[2] 210[3] 210[6]	100[1] 100[2] 210[3] 210[6]	1.0[1] 170[2] 1.0[3] 540[4] 46[6]	40[1] 40[2] 150[3] 380,000[4] 130[6]	30[1] 30[2] 300[3] 170,000[4] 43[6]	20[1] 20[2] 1,800[3] 160,000[4] 100[6]	5[1] 5[2] 13[3] 24,000[4] 8,000[6]	5[1] 170[2] 5[3] 120[4] 120[6]	5[1] 310[2] 5[3] 530[4] 360[6]	5[1] 50,000[2] 5[3] 1,000[4] 47[6]	6[1] 1,500[2] 6[3] 6,300[4] 25[6]	0.5[1] 3,400[2] 0.5[3] 3.8[4] 780[6]
ASTM Tier 1 Standard Human Health RBSL (Benzene)	--	--	--	11,000[4] 23.8[5]	32,800	77,500	--	--	--	--	--	--	--

[1] Environmental Screening Levels (ESLs) for impacted subsurface groundwater less than 10 feet, where groundwater IS a current or potential drinking water resource
[2] Final Groundwater Screening Level, based on ceiling value (taste and odor threshold)
[3] Groundwater Screening Level, based on drinking water toxicity
[4] Groundwater Volatilization to indoor air (residential) Level,
[5] Groundwater Vapor Intrusion from groundwater to buildings (residential, chronic hazard quotient = 1)
[6] Final Groundwater Screening Level, based on Aquatic Habitat



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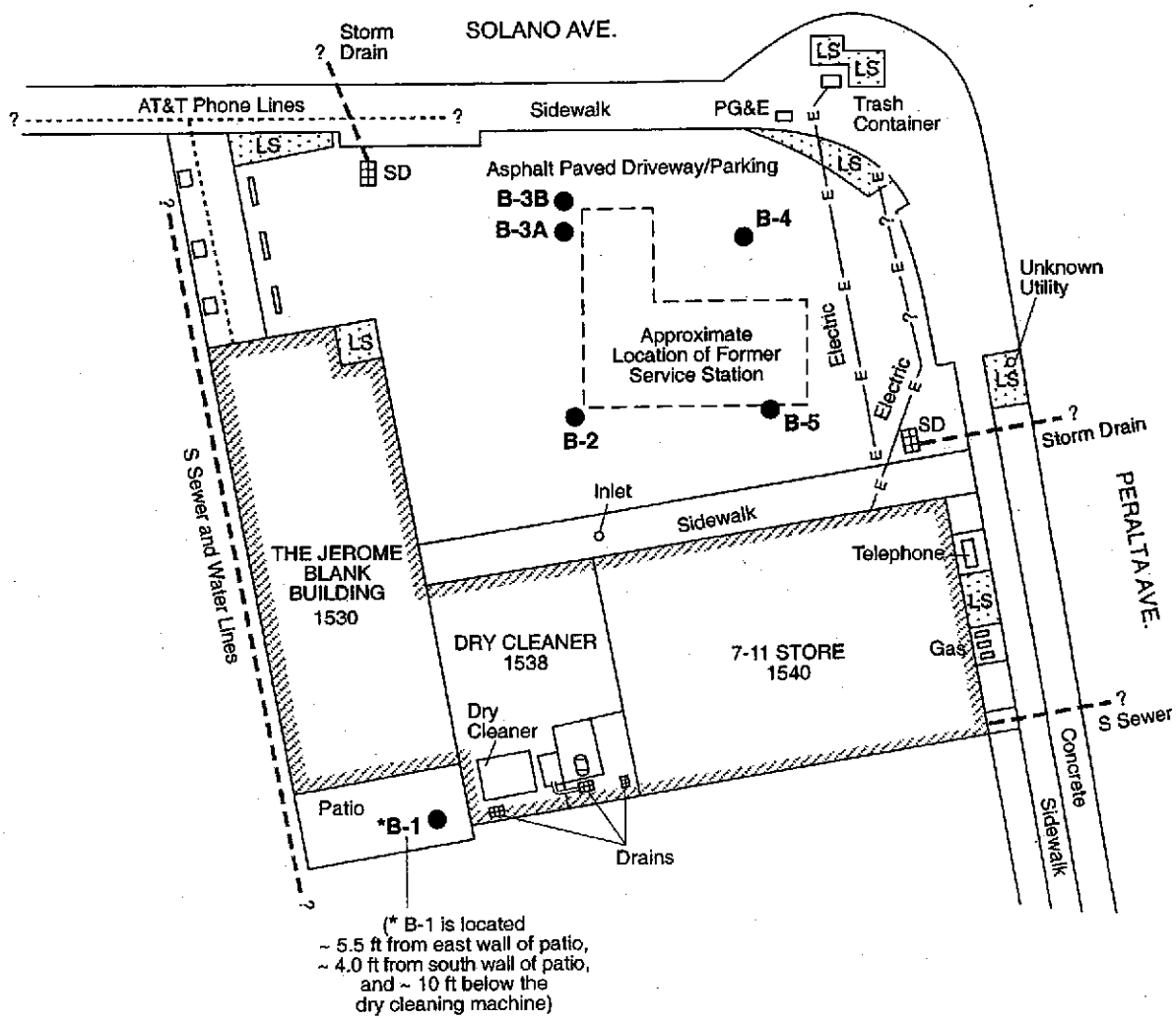
Site Location Map
1530-1540 Solano Avenue
Albany, California

FIGURE
1

JOB NUMBER: 0585,002.07 REVIEWED BY: E.J. VandenBosch Date: October 2007 REVISED DATE:



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SITE PLAN

Blank Property
1530 - 1540 Solano Avenue
Albany, California

FIGURE
2

JOB NUMBER	REVIEWED BY	DATE	REVISED
0585,002.07	EC&A, E.J. VandenBosch	October 2007	January 2008

(TRACE #456/RG/12Jan08)

Table 1. Analytical Results - Soil Samples from Borings
1530-1540 Solano Avenue, Albany, California

Sample ID/Depth *ft bgs*	Date Sampled	TPHg *mg/kg*	TPHd *mg/kg*	TPHmo *mg/kg*	MTBE *mg/kg*	Benzene *mg/kg*	Toluene *mg/kg*	Ethyl-benzene *mg/kg*	Xylenes *mg/kg*	PCE *mg/kg*	Other HVOCs *mg/kg*
B-1d5.5	12/13/07	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.005	ND<0.01 to <0.005
B-1d10.5	12/13/07	NA	NA	NA	NA	NA	NA	NA	NA	0.16	ND<0.01 to <0.005
B-1d15.0	12/13/07	NA	NA	NA	NA	NA	NA	NA	NA	0.43	ND<0.025 to ND<0.050
B-1d20.0	12/13/07	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.005	ND<0.01 to <0.005
B-2d10.0	12/12/07	ND<1.0	ND<1.0	ND<5.0	ND<0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005	NA	NA
B-2d15.0	12/12/07	ND<1.0	ND<1.0	ND<5.0	ND<0.05	ND<0.005	0.011	ND<0.005	0.0065	NA	NA
B-2d20.0	12/12/07	1.3 [g]	ND<1.0	ND<5.0	ND<0.05	0.0058	0.019	ND<0.005	0.016	NA	NA
B-3Ad6.0	12/12/07	ND<1.0	ND<1.0	ND<5.0	ND<0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005	NA	NA
B-3Ad10.0	12/12/07	ND<1.0	1.9 [b]	ND<5.0	ND<0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005	NA	NA
B-4d11.0	12/12/07	ND<1.0	ND<1.0	ND<5.0	ND<0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005	NA	NA
B-4d15.0	12/12/07	ND<1.0	ND<1.0	ND<5.0	ND<0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005	NA	NA
B-4d20.0	12/12/07	ND<1.0	ND<1.0	ND<5.0	ND<0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005	NA	NA
B-5d6.0	12/12/07	ND<1.0	ND<1.0	ND<5.0	ND<0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005	NA	NA
B-5d10.0	12/12/07	2.6 [g]	6.8 [G,k]	9.1	ND<0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005	NA	NA
B-5d15.0	12/12/07	2.3 [g]	5.9 [k]	ND<5.0	ND<0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005	NA	NA
DR-1-S *	12/13/07	ND<1.0	2.0 [G,b,f]	7.0	ND<0.05	ND<0.005	0.017	ND<0.005	0.0099	0.030	ND<0.01 to <0.005

Notes
TPHg: Total petroleum hydrocarbons as gasoline
TPHd: Total petroleum hydrocarbons as diesel
TPHmo: Total petroleum hydrocarbons as motor oil
MTBE: Methyl tert-butyl ether; analyzed by Analytical Method SW8021B
PCE: Tetrachloroethene
HVOCs: Halogenated volatile organics

Table 1. Analytical Results - Soil Samples from Borings
1530-1540 Solano Avenue, Albany, California

Notes, continued

ft bgs:	Feet below ground surface
mg/kg:	Milligrams per kilogram
ND:	Not detected above the reporting limit
NA:	Not analyzed
a:	Unmodified or weakly modified gasoline is significant
b:	Diesel range compounds are significant; no recognizable pattern
g:	Strongly aged gasoline or diesel range compounds are significant
G:	Oil range compounds are significant (Cooking oil?)
f:	One to a few isolated peaks present
k:	Kerosene/kerosene range
*:	Composite drum sample, also analyzed for total lead; result was 14 mg/kg

Table 2. Analytical Results - Grab-groundwater Samples from Borings
1530-1540 Solano Avenue, Albany, California

Sample ID	Date Sampled	TPHg µg/l	TPHd µg/l	TPHmo µg/l	MTBE µg/l	Benzene µg/l	Toluene µg/l	Ethyl-benzene µg/l	Xylenes µg/l	PCE µg/l	Other HVOCs µg/l
B-1W	12/13/07	NA	NA	NA	NA	NA	NA	NA	NA	2.9	ND<0.5 to <1.0
B-2W	12/12/07	ND<50 [i]	ND<50 [i]	ND<250	ND<5.0	0.54	0.67	ND<0.5	ND<0.5	NA	NA
B-4W	12/12/07	ND<50 [i]	ND<50 [i]	ND<250	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA
B-5W	12/12/07	ND<50 [i]	200 [k,b,i]	ND<250	ND<5.0	0.59	0.52	ND<0.5	ND<0.5	NA	NA
DR-1-W *	12/13/07	ND<50	ND<50	ND<250	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0 to <2.0

TPHg: Total petroleum hydrocarbons as gasoline
TPHd: Total petroleum hydrocarbons as diesel
TPHmo: Total petroleum hydrocarbons as motor oil
MTBE: Methyl tert-butyl ether; analyzed by Analytical Method SW8021B
PCE: Tetrachloroethene
HVOCs: Halogenated volatile organics
µg/l: Micrograms per liter
ND: Not detected above the reporting limit
NA: Not analyzed
b: Diesel range compounds are significant; no recognizable pattern
i: Liquid sample that contains greater than ~1 vol. % sediment
k: Kerosene/kerosene range
*: Drum sample

BORING LOCATION	1530-1540 Solano Ave., Albany, CA (Patio, ~ 10' below dry cleaning machine)	ELEVATION AND DATUM	Ground Surface / BORING NO. B-1
DRILLING AGENCY	Clear Heart Drilling, Inc. / DRILLER Chris	DATE STARTED / DATE FINISHED	13 Dec 07 → 13 Dec 07
DRILLING EQUIPMENT	Portable	COMPLETION WELL DEPTH / SAMPLER	20.5 ft / Split Spoon
DRILLING METHOD	Solid Flight Auger / BORING DIA. 4 inches	NO. OF SAMPLES	4 Soil, 1 Grab Groundwater
SIZE AND TYPE OF CASING	— / FROM — TO —	WATER LEVEL / FIRST — / MEASURED / SAMPLED	~ 18 ft
TYPE OF PERFORATION	— / FROM — TO —	CORE BARREL / LENGTH	2.0 inch ϕ / 18 inches
SIZE AND TYPE OF PACK	— / FROM — TO —	LOGGED BY: / CHECKED BY:	EJVB / RWE
TYPE OF SEAL NO. 1	Cement Grout / FROM 5.0 ft TO 20.5 ft	COMMENTS	Soil samples field screened with Photo-Ionization Detector (PID), results in parts per million (ppm).
TYPE OF SEAL NO. 2	Bentonite Chips / Cement / FROM 0.5 ft TO 5.0 ft; 0.0 ft TO 0.5 ft		

DEPTH (feet)	Samples	Sample ID	Blows/ft	PID (ppm)	MATERIAL DESCRIPTION	USCS	WELL CONSTRUCTION
					Approx. 4" concrete (patio).		
				0	SILTY CLAY (CL), very dark gray (10YR 3/1), moist.	CL	
					Color change at ~3-3.5 ft to yellowish-brown (10YR 5/6); ~ 5% - 10% very fine sand.		
5		d5.5'	82 (9")	0.2	SILTY CLAYEY SAND (SM), yellowish-brown (10YR 5/4), dry to damp; ~ 60% fine to very fine sand, ~30% clay (similar to 10 ft sample in B-5).	SM	
					Harder drilling at ~ 6 ft to 8.5 ft, some angular gravel (consolidated silty clay ?) and dry. [Clay Shale ?]	CL	
10		d10.5'	78	0.4	CLAY (CL), moist; ~ 10% weathered bedrock (similar to 15 ft sample in B-5).		
15		d15.0'	50 (2.5")	2.9	SANDY CLAY (CL), damp; ~15% small gravel (~3 mm), no odor (similar to 20 ft sample in B-2).		
					Driller noted hard layers (weathered bedrock ?)		
20		d20.0'	50 (5")	0.6	Same as above, damp to dry with weathered bedrock in shoe, no odor.		
					TD: 20.5 ft bgs		
					Note: Left hole open for ~ 1.5 hr water came up to ~18 ft bgs. Water sample collected at 1430.		

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ENVIRONMENTAL CONSULTANTS

LOG OF SOIL BORING B-1
Blank Property
1530 - 1540 Solano Avenue
Albany, California

FIGURE 3

JOB NUMBER	REVIEWED BY	DATE	REVISED	SHEET NO.
0585,002.07	EC&A, E.J. VandenBosch	December 2007		1 of 1

(TRACE #466/RG/12Jan08)