

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, Assistant Agency Director

ALAMEDA COUNTY CC4580
DEPT. OF ENVIRONMENTAL HEALTH
ENVIRONMENTAL PROTECTION DIVISION
1131 HARBOR BAY PKWY., #250
ALAMEDA CA 94502-6577

February 28, 1995
STID 3717

REMEDIAL ACTION COMPLETION CERTIFICATION

Ms. Valerie Cook
c/o Mason McDuffie
51 Moraga Way
Orinda, California 94563

RE: Former Kite Makers
5813 Fremont Street, Oakland, California 94608

Dear Ms. Cook:

This letter confirms the completion of site investigation and remedial action for the former underground storage tank (a 250 gallon waste oil) at the above described location.

Based upon the available information and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground tank release is required.

This notice is issued pursuant to a regulation contained in Title 23, Division 3, Chapter 16, Section 2721(e) of the California Code of Regulations.

Please contact Susan L. Hugo at (510) 567-6780 if you have any questions regarding this matter.

Sincerely,

Rafat A. Shahid, Director

cc: Gordon Coleman, Acting Chief, Environmental Protection Div.- files
Kevin Graves, RWQCB
Mike Harper, SWRCB

CASE CLOSURE SUMMARY

Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION Date: February 3, 1995
Agency name: Alameda County-HazMat Address: 1131 Harbor Bay Parkway
City/State/Zip: Alameda, CA 94502 Phone: (510) 567-6700
Responsible staff person: Susan Hugo Title: Sr. Hazardous Materials Spec.

II. CASE INFORMATION
Site facility name: Kite Makers
Site facility address: 5813 Fremont Street, Oakland, CA 94608
RB LUSTIS Case No: N/A Local Case No./LOP Case No.: 3717
URF filing date: 7/19/90 SWEEPS No: N/A

Responsible Parties: Addresses: Phone Numbers:
Ralph Tondre, Valerie Cook c/o Mason McDuffie
Sam Dong 51 Moraga Way, Orinda, CA 94563

<u>Tank No:</u>	<u>Size in gal.:</u>	<u>Contents:</u>	<u>Closed in-place or removed?:</u>	<u>Date:</u>
1	250	Waste Oil	Removed	7/12/90

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: Unknown
Site characterization complete? YES
Date approved by oversight agency: 12/13/94
Monitoring Wells installed? NO Number: NA
Proper screened interval? NA
Highest GW depth below ground surface: NA Lowest depth: NA
Flow direction: West towards the SF Bay (based on regional flow)
Most sensitive current use: Unknown
Are drinking water wells affected? NO Aquifer name: NA
Is surface water affected? NO Nearest affected SW name: NA
Off-site beneficial use impacts (addresses/locations): NA
Report(s) on file? YES Where is report(s) filed? Alameda County
1131 Harbor Bay Parkway, Alameda, CA 94502-6577

Treatment and Disposal of Affected Material:

<u>Material</u>	<u>Amount (include units)</u>	<u>Action (Treatment of Disposal w/destination)</u>	<u>Date</u>
Tank	250 gallon	Disposed at Erickson,	7/12/90
Piping	NA	255 Parr Blvd. Richmond CA 94801	
Soil	22.56 tons	Liquid Waste Management - McKittrick, CA	10/27/90

Leaking Underground Fuel Storage Tank Program

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (ppm)		Water (ppb)	
	Before	After	Before	After
TPH (Gas)	180	16	80	-
TPH (Diesel)	ND	ND	500	-
Benzene	0.1	ND	ND	-
Toluene	0.11	ND	ND	-
Xylene	0.87	0.0056	ND	-
Ethylbenzene	0.16	ND	ND	-
Oil & Grease	ND	ND	ND	-
Heavy metals / Other	* See comments			

Comments (Depth of Remediation, etc.):

One 250 gallon waste oil tank was removed in July 12, 1990. The tank appeared to be intact with no apparent holes observed during the removal. One soil sample was collected beneath the tank at 7.5 feet bgs and the analytical results showed the following concentrations: TPH diesel, oil & grease, semi-volatiles (8270), and chlorinated hydrocarbons (8010) were all non detect; 180 ppm TPH gasoline, 0.1 ppm benzene, 0.11 ppm toluene, 0.16 ppm ethyl benzene, 0.87 ppm xylene, 0.42 ppm cadmium, 23.1 ppm chromium, 7.9 ppm lead, and 39.6 ppm zinc. Groundwater was observed to be present at the bottom of the excavation, however no groundwater sample was collected during the tank removal activity. Overexcavation was conducted in October 2, 1990, enlarging the pit by 1.5 feet around the sidewalls. Verification soil samples were collected from each wall at 7.0 feet bgs, above groundwater and the analytical results were all non detect for TPH gasoline, TPH diesel, oil and grease, benzene, toluene, ethyl benzene, xylene, chlorinated solvents with the exception of the westwall detecting 16 ppm TPH gasoline and 5.6 ppb xylenes. Metals were also analyzed showing the following concentrations: 0.34 - 0.53 ppm cadmium, 13.8 - 19.4 ppm chromium, 5.68 - 6.77 ppm lead, 23.1 - 71.0 ppm zinc. On December 19, 1994, one soil boring was advanced within ten feet of the former tank area in the downgradient location (based on regional groundwater flow which is west towards the S. F. Bay). A soil sample was collected at three feet bgs (capillary zone) and detected only 1 ppm TPH diesel. TPH gasoline, BTEX and oil & grease were all non detect. Groundwater was encountered at 3.5 feet depth and a PVC casing was temporarily placed in the boring (total depth of 14 feet). Groundwater sample was collected and showed 80 ppb TPH gasoline, 500 ppb TPH diesel but non detect for benzene, toluene, ethyl benzene, xylene, oil and grease.

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**

Leaking Underground Fuel Storage Tank Program

Does corrective action protect public health for current land use? **YES**

Site management requirements: **NA**

Should corrective action be reviewed if land use changes? **YES**

Monitoring wells Decommissioned: **NA**

Number Decommissioned: **NA**

Number Retained: **NA**

List enforcement actions taken: **NA**

List enforcement actions rescinded: **NA**

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Susan L. Hugo Title: Sr. Hazardous Materials Specialist
Signature: *Susan L. Hugo* Date: February 6, 1995

Reviewed by
Name: Barney Chan Title: Hazardous Materials Specialist
Signature: *Barney Chan* Date: *2/7/95*

Name: Thomas Peacock Title: Sup. Hazardous Materials Specialist
Signature: *Thomas Peacock* Date: *2-6-95*

VI. RWQCB NOTIFICATION

Date Submitted to RB: RB Response: *Approved*
RWQCB Staff Name: Kevin Graves Title: Water Resources Control Engineer
Kevin Graves Date: *2/16/95*

VII. ADDITIONAL COMMENTS, DATA, ETC.

Aggressive source removal has occurred at this site. The potential beneficial uses of groundwater do not appear to be threatened to a significant extent from the release that occurred at the site associated with the former 250 gallon waste oil tank.



SITE LOCATION MAP

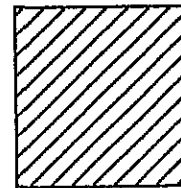
5813 Fremont Street
Oakland, California

Aqua Science Engineers

Figure 1

5813 Fremont Street

●
BH-A




Sidewalk

← Curbline

FREMONT
STREET

LEGEND

● Boring Location

 Former Underground Storage Tank
and Overexcavation Area



SCALE



1" = 10 FEET

AQUA SCIENCE ENGINEERS, INC.

BORING LOCATION MAP

5813 Fremont Street
Oakland, California

figure two

ANALYZE THE SOIL AND GROUNDWATER SAMPLES

The soil sample collected from 3-foot bgs (the capillary zone) was analyzed by American Environmental Network (AEN) of Pleasant Hill, California (DOHS #1172) for TPH-G by modified EPA Method 5030/8015, TPH-D by modified EPA Method 3550/8015, BTEX by EPA Method 8020 and O&G by Standard Method 5520E&F. The groundwater samples were analyzed by AEN for TPH-G by modified EPA Method 5030/8015, TPH-D by modified EPA Method 3550/8015, BTEX by EPA Method 8020 and O&G by Standard Method 5520B&F. ✓

ANALYTICAL RESULTS

The analytical results are summarized below in Tables One and Two, and a copy of the analytical report and chain of custody record are presented in Appendix B.

TABLE ONE
Summary of Chemical Analysis of SOIL Samples
All results are in parts per million

Sample I.D.	TPH Gasoline	TPH Diesel	Oil & Grease	Benzene	Toluene	Ethyl Benzene	Total Xylenes
BH-A <i>3 ft bgs (capillary zone)</i>	<0.2	1	<10	<0.005	<0.005	<0.005	<0.005

TABLE TWO
Summary of Chemical Analysis of GROUNDWATER Samples
All results are in parts per billion

Sample I.D.	TPH Gasoline	TPH Diesel	Oil & Grease	Benzene	Toluene	Ethyl Benzene	Total Xylenes
BH-A	80	500	<1,000	<0.5	<0.5	<0.5	<0.5

SOIL BORING LOG AND BORING COMPLETION DETAILS

Boring BH-A

Project Name: Kitemakers

Project Location: 5813 Fremont Street, Oakland, CA

Page 1 of 1

Driller: Precision Sampling

Type of Rig: Hydraulic Sampler

Type and Size of Auger: NA

Logged By: Robert E. Kitay

Date Drilled: December 19, 1994

Checked By: David M. Schultz, P.E.

WATER AND WELL DATA

Total Depth of Well Completed: NA

Depth of Water First Encountered: 3.5'

Well Screen Type and Diameter: NA

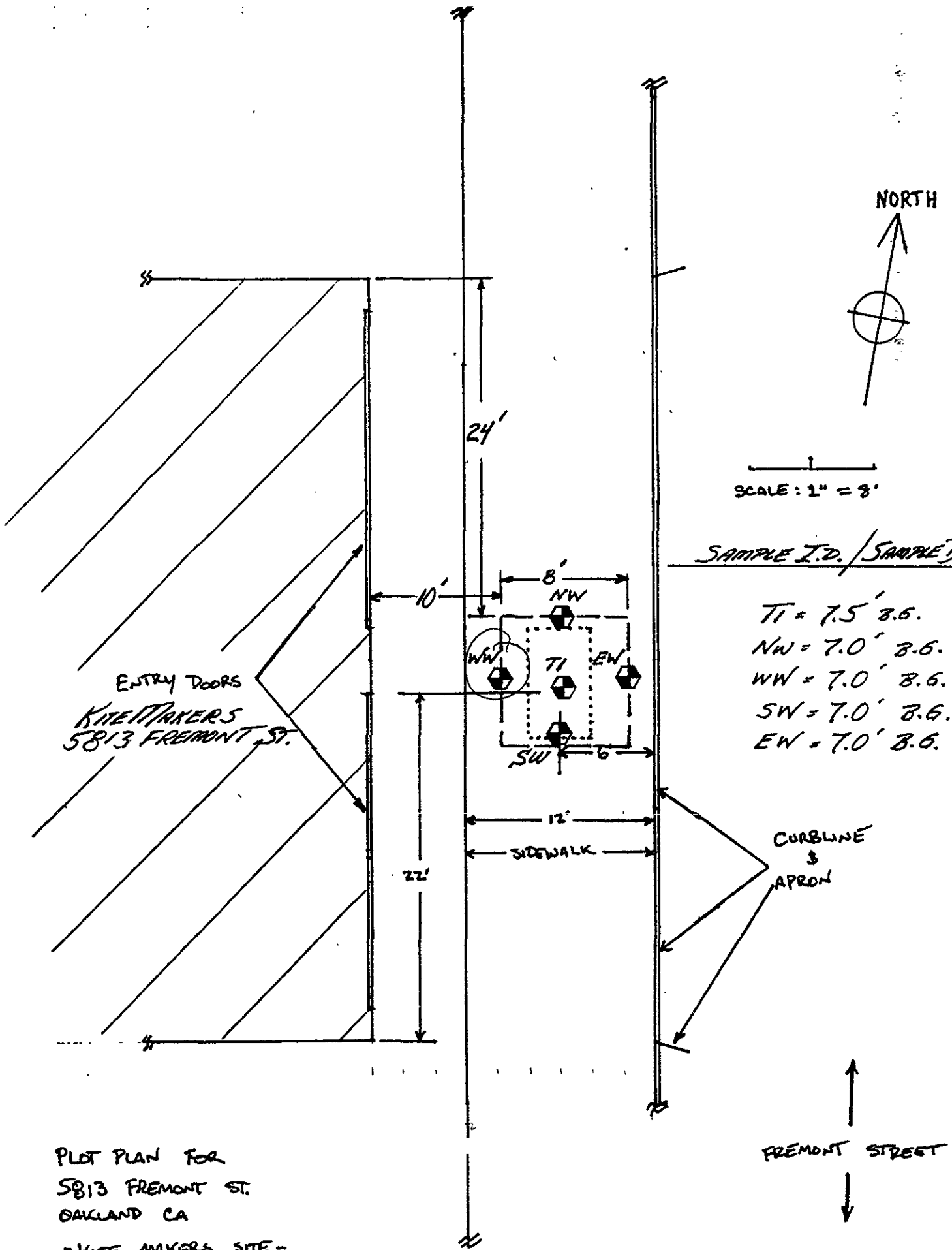
Static Depth of Water in Well: NA

Well Screen Slot Size: NA

Total Depth of Boring: 14.0'

Type and Size of Soil Sampler: 1.5" I.D. Split-barrel

Depth in Feet	WELLBORING DETAIL	Description	SOIL/ROCK SAMPLE DATA			Depth in Feet	DESCRIPTION OF LITHOLOGY
			Interval	OVM	Graphic Log		
0		Class "H" Portland Cement	0			0	Concrete
5			0			5	Clayey SILT (MH); black; soft; moist; 70% silt; 30% clay; high plasticity; very low estimated K; no odor/slight hydrocarbon odor at 3'; wet at 3.5'
5			0			5	Gravelly SAND (SM); brown mottled olive; loose; wet; 50% very fine to medium sand; 25% angular to subrounded pebbles to 1"; 15% silt; 10% clay; moderate plasticity; medium estimated K; no odor
10			0			10	Clayey SILT (MH); olive; medium stiff; wet; 65-70% silt; 30-35% clay; high plasticity; very low estimated K; no odor
15							Gravelly SAND (SM); brown mottled olive; loose; wet; 50% very fine to medium sand; 25% angular to subrounded pebbles to 1"; 15% silt; 10% clay; moderate plasticity; medium estimated K; no odor
15							End of boring at 14.0'



PLOT PLAN FOR
 5813 FREMONT ST.
 OAKLAND CA
 - KITE MAKERS SITE -

CHROMALAB, INC.

Analytical Laboratory
Specializing in GC-GC/MS

- Environmental Analysis
- Hazardous Waste (#E694)
- Drinking Water (#955)
- Waste Water
- Consultation

October 8, 1990

ChromaLab File No.: 1090006

AQUA SCIENCE ENGINEERS, INC.

Attn: David Prull

RE: Five soil samples for Gasoline/BTEX, and Diesel analyses

Project Name: KITE CO.

Project Number: 1907

Date Sampled: Oct. 2, 1990

Date Submitted: Oct. 2, 1990

Date Extracted: Oct. 2-9, 1990

Date Analyzed: Oct. 2-9, 1990

RESULTS:

Sample NO.	Gasoline (mg/Kg)	Diesel (mg/Kg)	Benzene (ug/Kg)	Toluene (ug/Kg)	Ethyl Benzene (ug/Kg)	Total Xylenes (ug/Kg)
EW	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
NW	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
SW	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
WW	16	N.D.	N.D.	N.D.	N.D.	5.6
SP-A, B, C, D, E*	6.4	47	N.D.	N.D.	13	N.D.
BLANK	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
SPIKED						
RECOVERY	91.7%	97.8%	98.6%	99.1%	103.5%	105.6%
DUP SPIKED						
RECOVERY	91.1%	100.0%	89.3%	89.7%	90.0%	107.6%
DETECTION						
LIMIT	2.5	5	5	5	5	5
METHOD OF	5030/	3550/				
ANALYSIS	8015	8015	8020	8020	8020	8020

*Composited soil samples.

CHROMALAB, INC.


David Duong
Senior Chemist


Eric Tam
Laboratory Director

CHROMALAB, INC.

Analytical Laboratory
Specializing in GC-GC/MS

- Environmental Analysis
- Hazardous Waste (#E694)
- Drinking Water (#955)
- Waste Water
- Consultation

October 10, 1990

ChromaLab File No.: 1090006

AQUA SCIENCE ENGINEERS, INC.

Attn: David Prull

RE: Five soil samples for Oil & Grease, Cadmium, Chromium, Lead,
and Zinc analyses

Project Name: KITE CO.

Project Number: 1907

Date Sampled: Oct. 2, 1990

Date Submitted: Oct. 2, 1990

Date Extracted: Oct. 2-9, 1990

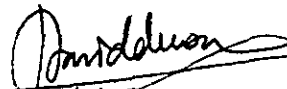
Date Analyzed: Oct. 2-9, 1990

RESULTS:

Sample No.	Oil & Grease (mg/Kg)	Cadmium (mg/Kg)	Chromium (mg/Kg)	Lead (mg/Kg)	Zinc (mg/Kg)
EW	N.D.	0.531	19.4	6.70	50.6
NW	N.D.	0.580	18.0	6.77	71.0
SW	N.D.	0.415	17.1	5.68	41.1
WW	N.D.	0.343	13.8	6.13	23.1
SP-A, B, C, D, E*	130	0.505	22.5	14.7	66.2
BLANK	N.D.	N.D.	N.D.	N.D.	N.D.
SPIKED RECOVERY	----	101.0%	100.0%	94.5%	92.5%
DUP SPIKED RECOVERY	----	98.4%	90.7%	106.2%	96.8%
DETECTION LIMIT	10	0.005	0.05	0.05	0.005
METHOD OF ANALYSIS	503 D&E	7130	7190	7420	7950

*Composited soil samples.

CHROMALAB, INC.


David Duong
Senior Chemist


Eric Tam
Laboratory Director