



February 13, 1996

DEPARTMENT OF ENVIRONMENTAL HEALTH
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
(510) 567-6700

STID # 3572

REMEDIAL ACTION COMPLETION CERTIFICATION

Mr. Karl Fries
1972 Nina Court
Hayward, CA - 95941

Ref: Concrete Wall Sawing- 14468 Wicks blvd, San Leandro, CA

Dear Mr. Fries:

This letter confirms the completion of site investigation and remedial action for one underground storage tank located at the above mentioned location. Enclosed is the Case Closure Summary for the referenced site for your records.

Based upon the available information, including the current land use, 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. (If a change in land use is proposed, the owner must promptly notify this agency)

Please contact Madhulla Logan at (510) 271-4320 if you have any questions regarding this matter.

Very truly yours,

Jun Makishima
Acting Director

cc: Gordon Coleman, Acting Chief
Kevin Graves, RWQCB
Mike Harper, SWRCB (with attachment)
Robert Kitay, Aqua Sciences Engineers, Old Crow Canyon Rd, #4
San Ramon, CA - 94583
Mike Bakaldin, City of San Leandro Fire Department

File

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

Date: 11/29/95

Agency name: Alameda County-HazMat

Address: 1131 Harbor Bay Pkwy

City/State/Zip: Alameda, CA - 94502

Phone: (510) 271-4320

Responsible staff person: Madhulla Logan

Title: Hazardous Materials Spec.

II. CASE INFORMATIONSite facility name: Concrete Wall Sawing

Site facility address: 14468 Wicks Boulevard, San Leandro, CA - 94541

RB LUSTIS Case No: N/A

Local Case No./LOP Case No.: 3572

URF filing date: 12/1/95

SWEEPS No: N/A

Responsible Parties:Addresses:Phone Numbers:

Karl Fries

1972 Nina Court
Hayward, CA-94

<u>Tank No:</u>	<u>Size in gal.:</u>	<u>Contents:</u>	<u>Closed in-place or removed?:</u>	<u>Date:</u>
1	unknown	not known	removed	2/7/87

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: Overfilling-Unknown

Site characterization complete? YES

Date approved by oversight agency:

Monitoring Wells installed? YES Number: 4

Proper screened interval?	Average	Mw-1 - 5ft to 17ft
		MW-2 - 6ft to 15ft
		MW-3 - 5ft to 16ft
		MW-4 - 12ft to 23ft (not good) /

Highest GW depth below ground surface: 7.1 ft Lowest depth: 7.8 ft

Flow direction: South West

Most sensitive current use: Not Drinking (others not determined)

Are drinking water wells affected? No Aquifer name:

Is surface water affected? NO Nearest affected SW name: N/A

Off-site beneficial use impacts (addresses/locations): Not Known

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Report(s) on file? YES Where is report(s) filed? Alameda County
1131 Harbor Bay Parkway
Alameda, CA - 94702

Treatment and Disposal of Affected Material:

<u>Material</u>	<u>Amount</u> (include units)	<u>Action (Treatment</u> <u>of Disposal w/destination)</u>	<u>Date</u>
Tank disposal	size unknown	H and H Shipyard	2/7/87
Soil from oil/water separator	30cuyd	Petroleum Waste Inc, Button willow, CA	11/29/90
Oil/water separator		Durham Road Landfill Fremont, CA	6/4/90

III. RELEASE AND SITE CHARACTERIZATION INFORMATION (Continued)

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (ppm)		Water (ppb)	
	<u>Before</u>	<u>After</u>	<u>Before</u>	<u>After</u>
TPH (Gas)	2 *	40	60	ND
TPH (Diesel)	NA	NA	NA	NA
Benzene	.022	0.11	2.0	8
Toluene	.064	0.51	ND	0.7
Xylene	ND	3.4	ND	ND
Ethylbenzene	NA	0.67	ND	ND
Oil & Grease	NA	NA	<500	<500
Organic Lead	NA	15	NA	NA

Comments (Depth of Remediation, etc.):

One sample was collected from the tank excavation and 1 sample was collected from the stockpile. The above results indicate the results of the laboratory analysis of the sample collected from the tank excavation. The stockpile sample had 57 ppm of volatile hydrocarbons (which probably includes gasoline) and .023 ppm of benzene. *-2ppm mentioned above, according to the laboratory report, is for volatile hydrocarbons, which most probably also includes gasoline (?). Apart from volatile hydrocarbons and BTX, the samples were not analyzed for any other compounds.

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Undetermined

Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? Undetermined

Does corrective action protect public health for current land use? YES
Site management requirements: NA

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Should corrective action be reviewed if land use changes? No

Monitoring wells Decommissioned: NO, pending site closure

Number Decommissioned: Number Retained: 1

List enforcement actions taken:N/A

List enforcement actions rescinded:N/A

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Madhulla Logan

Signature:

Title: Hazardous Materials Spec

Date:

Reviewed by

Name: Tom Peacock

Signature:

Title: Supervisor, LOP Program

Date: 12-21-95

Name: Eva Chu

Signature:

Title: Hazardous Materials Spec

Date: 12/21/95

VI. RWQCB NOTIFICATION

Date Submitted to RB:

RB Response: Approved

RWQCB Staff Name: Kevin Graves

Title: San. Engineering Asso. Date:

VII. ADDITIONAL COMMENTS

Concrete Wall Sawing occupied the site from 1968 until September 1986. An UST was removed in February 7, 1987. Exceltech, Inc., had collected 1 soil sample from the tank excavation in February 1987 which had up to 22 ppb benzene. Subsequently, an oil sump with oil, which probably was an oil-water separator was found. A concrete pad installed by Concrete Wall Sawing to wash and clean their trucks sloped towards the sump.

In June 1990, the concrete pad and the oil/water separator were removed and disposed of at the Durham Road Landfill, Fremont, CA. Six soil samples, S-1 thru S-6, were collected within varying depths of the excavation. The samples were analyzed for TPH (low to medium point compounds), TPH (high boiling point), TOG, and volatile organic compounds. The samples, S-1 and S-2 collected near the oil/water separator had oil and grease and diesel at concentrations of 7000 ppm and 920 ppm, respectively. Samples S-3 thru S-6 collected in the Bay Mud at depths ranging from 2 to 4 feet, contained up to 0.3 ppm, 750 ppm and 50 ppm of gasoline, oil and grease, and diesel, respectively.

In November 1990, the area around the oil/water separator was overexcavated to a depth of 6.5 ft. Two soil samples were collected at depths of 5.5 and 6.5 feet at the bottom of the excavation. The confirmation samples indicated concentrations of up to 20 ppm and 10 ppm of oil and grease and

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TPH, respectively. The report indicates that approximately 30 yards of soils was manifested and hauled to a Class I disposal facility, Petroleum Waste Incorporated in Buttonwillow, California.

Four ground water monitoring wells were installed in July 1 and 3, 1991. Groundwater flow direction was determined to be towards the southwest. Based on this direction, the monitoring wells MW-1 and MW-2 are downgradient from ~~the~~ from the former UST. Well MW-4 was installed through the former UST excavation. Soil samples collected from boring MW-4 indicated concentrations of gasoline and Benzene up to 67 ppm and 310 ppb, respectively, in the fill soil at depths of up to 6 feet bgs. However, only ethylbenzene and total lead were detected at concentrations of .004 ppm and 3 ppm respectively in the soil samples collected at a depth of 9 ft bgs in the native soil. As for the groundwater sample results, gasoline was only found in monitoring well, MW-4 at 60 ppb. Benzene was found in 3 out of 4 wells with the highest concentration in monitoring well, MW-3, at 2000 ppb. Diesel and TOG were not found in any of the monitoring wells.

In April 1995, 2 soil borings, B-1 and B-2 were drilled on site to further define the extent of contamination in the soil and groundwater. Soil samples and a grab groundwater sample was collected from each boring. Boring B-1 was drilled near the former oil/water separator and no compounds were detected in the soil or the grab groundwater samples. Boring B-2 was drilled 10 feet downgradient of the former UST excavation to define the extent of soil contamination. The results of the soil samples in B-2, indicated the presence of 40 ppm of gasoline and 110 ppb of benzene. The laboratory results of the grab groundwater sample collected from B-2, indicated the presence of 100 ppb of gasoline and 3 ppb of benzene.

Groundwater monitoring has been conducted on all 4 wells at quarterly intervals since February 1994 for 7 quarters. Results of groundwater monitoring for the past 4 quarters indicate the presence of gasoline and benzene in concentrations of up to 110 ppb in MW-3, and 25 ppb in MW-3 respectively. These concentrations, according to the ASTM's RBCA Tier 1 guidelines, do not pose a threat to public health or ground water quality. Monitoring well, MW-4, which is located near the UST excavation area, did not have any concentrations of gasoline above the detection limit for the past 6 quarters.

Rationale for Closure:

1. Gasoline and benzene contamination present in the soil around the UST appears to be restricted around this area and has not significantly impacted groundwater quality.
2. Groundwater water monitoring results for the past 7 quarters have indicated levels of benzene that do not pose a threat to public health or groundwater quality (according to RBCA Tier 1) .
3. All or most of the soil contamination around the oil/water separator has been removed
4. No diesel or oil were ever found in any of the monitoring wells and so it does not appear that the contamination around the oil/water separator has impacted the groundwater quality.