



ALAMEDA COUNTY-ENV. HEALTH DEPT.
ENVIRONMENTAL PROTECTION DIV.
1131 HARBOR BAY PKWY., #250
ALAMEDA CA 94502-6577
(510) 567-6700

REMEDIAL ACTION COMPLETION CERTIFICATION

StID 2405 - 4901-4905 Tidewater Ave, Oakland 94601

January 20, 1995

Mr. Robert Swinford
3282 Garfield Ave
Alameda, CA 94501

Dear Swinford:

This letter, which supercedes our letter of January 11, 1995, confirms the completion of site investigation and remedial action for the two former underground storage tanks (1K and 2K gallon gasoline tanks) removed from the above site on September 29, and October 5, 1989.

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 Ms. Eva Chu at (510) 567-6700 if you have any questions regarding this matter.

Very truly yours,

A handwritten signature in cursive script, appearing to read "Rafat A. Shahid".

Rafat A. Shahid, Director

cc: Edgar B. Howell, Chief, Hazardous Materials Division
Kevin Graves, RWQCB
Mike Harper, SWRCB (with attachment)
files (swinford.2)

DEC 16 1994

CASE CLOSURE SUMMARY

Leaking Underground Fuel Storage Tank Program
 COUNTY CONTROL BOARD

I. AGENCY INFORMATION

Date: December 7, 1994

Agency name: Alameda County-HazMat Address: 1131 Harbor Bay Pkwy
 City/State/Zip: Alameda, CA 94502 Phone: (510) 567-6700
 Responsible staff person: Eva Chu Title: Hazardous Materials Spec.

II. CASE INFORMATION

Site facility name: Reliable Roofing Co.
 Site facility address: 4905 Tidewater Ave, Oakland 94601
 RB LUSTIS Case No: N/A Local Case No./LOP Case No.: 2405
 URF filing date: 5/4/93 SWEEPS No: N/A

<u>Responsible Parties:</u>	<u>Addresses:</u>	<u>Phone Numbers:</u>
Robert Swinford	3282 Garfield Ave, Alameda	94501

<u>Tank No:</u>	<u>Size in gal.:</u>	<u>Contents:</u>	<u>Closed in-place or removed?:</u>	<u>Date:</u>
1	1,000	Gasoline	Removed	9/29/89
2	4,000	Gasoline	Removed	10/5/89

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: Leaking gasoline UST
 Site characterization complete? YES
 Date approved by oversight agency: 8/3/94
 Monitoring Wells installed? Yes Number: 1
 Proper screened interval? Yes, 5-20' bgs
 Highest GW depth below ground surface: 1.34' Lowest depth: 4.23'
 Flow direction: W, SW, and probably under tidal influence
 Most sensitive current use: San Francisco Bay
 Are drinking water wells affected? No Aquifer name:
 Is surface water affected? No Nearest affected SW name:
 Off-site beneficial use impacts (addresses/locations):

Report(s) on file? YES Where is report(s) filed? Alameda County
 1131 Harbor Bay Pkwy
 Alameda, CA 94502

Treatment and Disposal of Affected Material:

<u>Material</u>	<u>Amount (include units)</u>	<u>Action (Treatment or Disposal w/destination)</u>	<u>Date</u>
Tank	1K UST	H & H Shipping	9/29/89
	4K UST	Triangle Line, Sacramento	10/5/89
Piping			
Free Product	1,100 gallon	H & H Shipping	9/14-26/89
Soil	13 CY	Aerated and reused on site	8/25/94
Groundwater Barrels			

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)	ND		13,000	ND
TPH (Diesel)	ND			
Benzene	.032		36	ND
Toluene	ND		650	ND
Ethylbenzene	ND		7	ND
Xylenes	.007		670	ND
Oil & Grease				
Heavy metals	Organic Pb	19		
Other				

Comments (Depth of Remediation, etc.):

See section VII. Addition Comments ~.

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? **YES**
 Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? **YES**
 Does corrective action protect public health for current land use? **YES**
 Site management requirements: **None**

Should corrective action be reviewed if land use changes? **YES**
 Monitoring wells Decommissioned: **None, pending site closure**
 Number Decommissioned: **0** Number Retained: **1**
 List enforcement actions taken: **None**

List enforcement actions rescinded: **NA**

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Eva Chu Title: Haz Mat Specialist

Signature:  Date: 12/14/94

Reviewed by


Name: Barney Chan Title: Haz Mat Specialist

Signature:  Date: 12-13-94

Name: Jennifer Eberle Title: Haz Mat Specialist

Signature:  Date: 12-13-94

VI. RWQCB NOTIFICATION

Date Submitted to RB: 12/15/94 RB Response: 

RWQCB Staff Name: Kevin Graves Title: AWRCE

Signature:  Date: 1/9/95

VII. ADDITIONAL COMMENTS, DATA, ETC.

When two gasoline USTs were removed, soil collected from the side walls of each pit exhibited low levels of benzene and xylenes only. Water from the 1K UST pit exhibited 13,000 ppb TPH-G, 36, 650, 7, and 670 ppb BTEX, respectively. Water from the 4K tank pit exhibited 100 ppb TPH-G, 4.1, .5, ND, and 6.4 ppb BTEX, respectively. Due to the water contamination and the pitting of the 1K UST, a groundwater investigation was required.

On August 1993 a soil boring was advanced in the assumed downgradient direction of the former 4K UST. A groundwater grab sample collected did not detect TPH-G or BTEX. Additional investigation around this pit was not required.

This site is located on Tidewater Ave, approximately 150' from the San Leandro Bay tidal canal. Groundwater flow can be inferred to flow to the west, southwest, and probably under tidal influence. A monitoring well was installed downgradient from the former 1K UST to determine if groundwater was impacted by the fuel release from this former UST. Groundwater was encountered at approximately 12-14' bgs. Well MW-1 was screened from 5-20' depth.

Groundwater has been sampled for four consecutive quarters. Low levels of TPH-G, ethylbenzene and xylenes were detected only during the first sampling event. The last three quarters have not detected TPH-G or BTEX. The fuel release from the former USTs does not appear to have impacted groundwater quality.

The stockpiled soil has been aerated and final laboratory analytical results did not detect TPH-G or BTEX. The soil was disposed onsite.

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TABLE 1
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
(ppb¹)

Sample ID Name	DATE	TPHG	Benzene	Toluene	Ethyl-Benzene	Xylenes
MW-1	09/01/93	81	<0.50	<0.50	0.8	2.3
	12/06/93	<50	<0.50	<0.50	<0.50	<1.5
	03/04/94	<50	<0.50	<0.50	<0.50	<1.5
	06/03/94	<50	<0.50	<0.50	<0.50	<1.5
MW-2 ²	09/01/93	<50	<0.50	<0.50	<0.50	0.9
	12/06/93	<50	<0.50	<0.50	<0.50	<1.5
	03/04/94	<50	<0.50	<0.50	<0.50	<1.5
	06/03/94	<50	<0.50	<0.50	<0.50	<1.5

¹ PARTS PER BILLION

² TRIP BLANK