



DEPARTMENT OF ENVIRONMENTAL HEALTH
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
(510) 567-6777

REMEDIAL ACTION COMPLETION CERTIFICATION

StID 4023 - 6220 Moraga Ave, Oakland, CA

September 15, 1995

Mr. Andrew Clark-Clough
City of Oakland-Public Works
1333 Broadway
Oakland, CA 94612

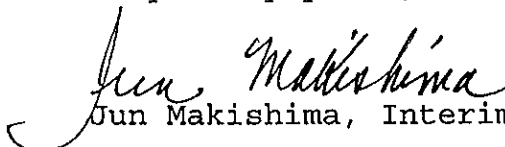
Dear Mr. Clark-Clough:

This letter confirms the completion of site investigation and remedial action for the former underground storage tank (1,000 gallon gasoline tank) removed from the above site on May 18, 1993. 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. Please contact Ms. Eva Chu at (510) 567-6700 if you have any questions regarding this matter.

Very truly yours,


Jun Makishima, Interim Director

cc: Chief, Division of Environmental Protection
Kevin Graves, RWQCB
Mike Harper, SWRCB (with attachment)
files (fire24.3)

ENVIRONMENTAL

SEP 11 1995

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

Date: June 28, 1995

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: **Firehouse #24**
Site facility address: **6220 Moraga Ave, Oakland 94611**
RB LUSTIS Case No: **N/A** Local Case No./LOP Case No.: **4023**
URF filing date: **Not needed** SWEEPS No: **N/A**

Responsible Parties: Addresses: Phone Numbers:

City of Oakland-Public Works 1333 Broadway, Oakland 94612
Attn. Andrew Clark-Clough

<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	5/18/93

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: **Unknown**
Site characterization complete? **YES**
Date approved by oversight agency: **3/20/95**
Monitoring Wells installed? **No** Number:
Proper screened interval? **NA**
Highest GW depth below ground surface: Lowest depth:
Flow direction: **NA**
Most sensitive current use: **Residential**
Are drinking water wells affected? **No** Aquifer name: **Unknown**
Is surface water affected? **No** Nearest affected SW name:
Off-site beneficial use impacts (addresses/locations): **None**

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	1 UST	H & H, San Francisco	5/18/93
Piping			
Free Product	7 gallon	Alviso Independent Oil, Alviso	1/29/93
Soil			
Groundwater	300 gallon	PRC Patterson, Patterson	5/18/93
Barrels			

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

<u>Contaminant</u>	<u>Soil (ppm)</u>		<u>Water (ppb)</u>	
	<u>Before</u>	<u>After</u>	<u>Before*</u>	<u>After</u>
TPH (Gas)	ND		ND	
TPH (Diesel)	ND			
Benzene	ND		.9	
Toluene	ND		ND	
Ethylbenzene	ND		ND	
Xylenes	ND		ND	
Oil & Grease	TPH-MO	ND		
Heavy metals	Total Pb	25		
Other				

* Grab groundwater sample from soil boring

Comments (Depth of Remediation, etc.):

When a 1,000 gallon gasoline UST was removed a strong hydrocarbon odor was detected from the pea gravel backfill. Perched water was encountered at 5' depth.


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: **NA**
 Number Decommissioned: Number Retained:
 List enforcement actions taken: **None**
 List enforcement actions rescinded: **NA**

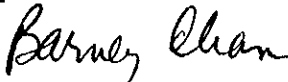
V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Eva Chu Title: Haz Mat Specialist


Signature:  Date: 8/16/95

Reviewed by

Name: Barney Chan Title: Haz Mat Specialist

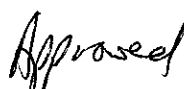
Signature:  Date: 6/29/95

Name: Madhulla Logan Title: Haz Mat Specialist

Signature:  Date: 8/12/95

VI. RWQCB NOTIFICATION

Date Submitted to RB: 8/17/95

RB Response: 

RWQCB Staff Name: Kevin Graves

Title: AWRCE

Signature:  Date: 9/6/95

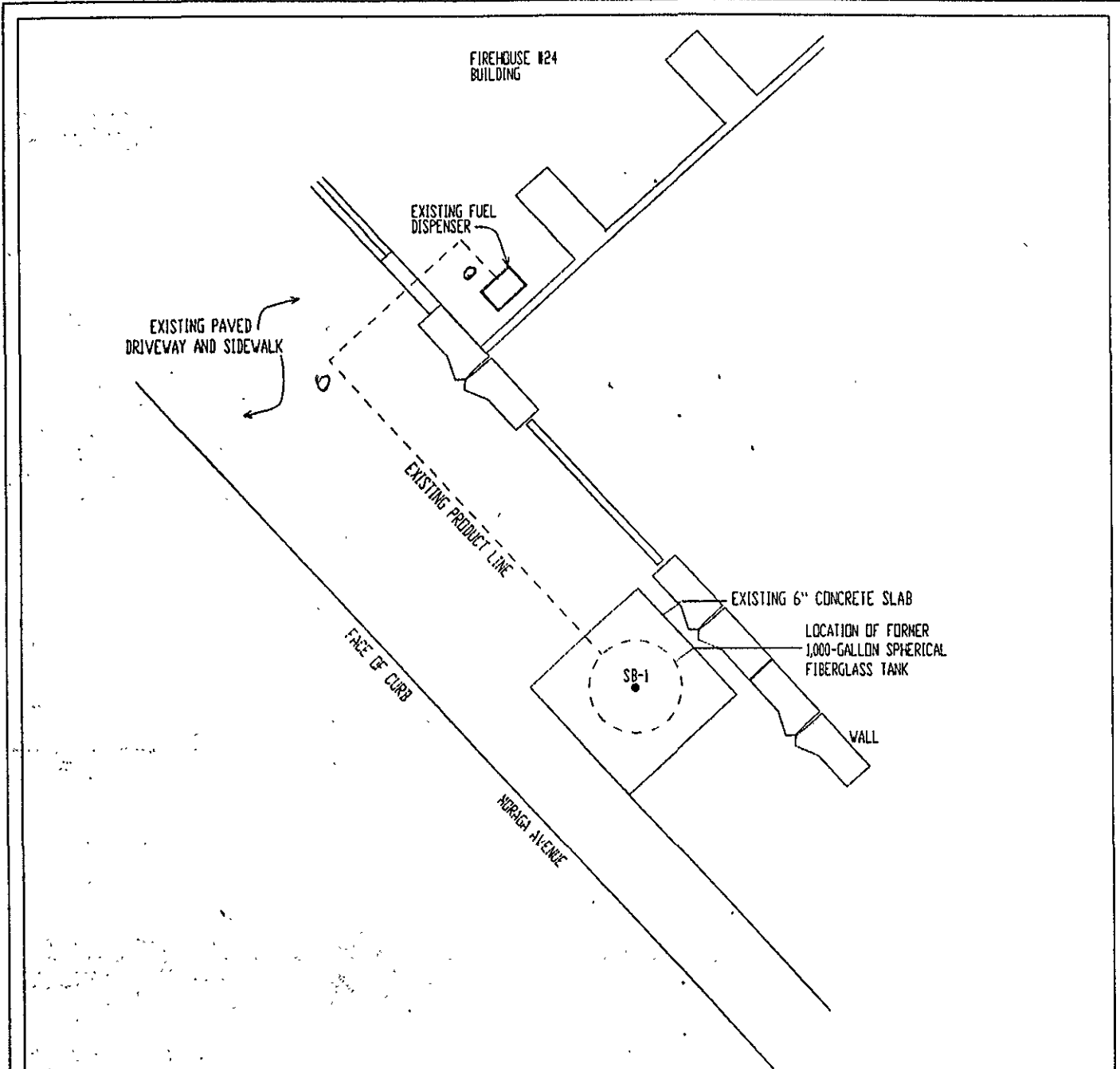
VII. ADDITIONAL COMMENTS, DATA, ETC.

Soil samples collected from the east and west sidewall at 8.5 and 10' depth did not detect TPH-G, TPH-D, or BTEX. But a sheen was observed on the perched water surface.

To better evaluate soil and groundwater quality beneath the site, a soil boring was advanced through the former tank pit to a depth of 27.5'. Soil samples collected at 13.5 and 23.5' depths did not detect TPH-G or BTEX. Perched groundwater was encountered in the backfilled material. It is believed this water is from a leaking water pipe as well as drainage from the landscaped hillside. First encountered groundwater is believed to be at approximately 23.5-27.5' depth, under confined conditions. A grab groundwater sample collected, after stabilizing at 4.5', detected .9 ppb benzene. TPH-G and TEX were not detected.

Soil samples were also collected beneath the dispenser and piping, and did not detect TPH-G or BTEX.

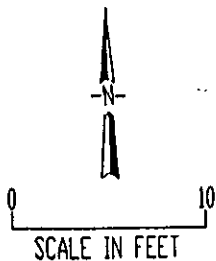
Additional soil and groundwater investigations are not required at this site.



0 Soil Borings Analyze for TPH-G, BTEX, Total Pb

LEGEND

SB-1 NAME AND LOCATION OF SOIL BORING



TANK PROTECT ENGINEERING

SITE PLAN
SOIL BORING LOCATION MAP (12/28/93)

FIREHOUSE #24
6226 MORAGA AVEUNE
OAKLAN, CA 94611

DATE	1/11/94
FIGURE	1
FILE #	235-3A-1
DRAWN BY	VK
CHECKED BY	LH