



DEPARTMENT OF ENVIRONMENTAL HEALTH
Environmental Protection Division
1131 Harbor Bay Parkway, #250
Alameda, CA 94502-6577
(510) 567-6700

REMEDIAL ACTION COMPLETION CERTIFICATION

StID 1538 - 400 High Street, Oakland, CA 94601

August 18, 1995

Mr. Allen Dutra
Itel Terminals
400 High Street
Oakland, CA 94601

Dear Mr. Dutra:

This letter confirms the completion of site investigation and remedial action for the two former underground storage tanks (1-10K, 1-2K gallon gasoline/diesel tanks) removed from the above site on November 15, 1989. 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,

A handwritten signature in cursive script that reads "Jun Makishima".

Jun Makishima, Acting Director

cc: Chief, Division of Environmental Protection
Kevin Graves, RWQCB
Mike Harper, SWRCB (with attachment)
Barney Chan, ACDEH
files (itel.2)

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

Date: June 22, 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: Itel Container
 Site facility address: 400 High Street, Oakland 94601
 RB LUSTIS Case No: N/A Local Case No./LOP Case No.: 1538
 URF filing date: 5/1/90 SWEEPS No: N/A

<u>Responsible Parties:</u>	<u>Addresses:</u>	<u>Phone Numbers:</u>
Itel Terminals Attn. Allen Dutra	400 High Street Oakland, CA 94601	510/535-2514

<u>Tank No:</u>	<u>Size in gal.:</u>	<u>Contents:</u>	<u>Closed in-place or removed?:</u>	<u>Date:</u>
1	10,000	Diesel/Gasoline	Removed	11/15/89
2	2,000	Diesel/Gasoline	Removed	11/15/89

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: Unknown
 Site characterization complete? YES
 Date approved by oversight agency: 5/25/95
 Monitoring Wells installed? Yes Number: 1 permanent, 2 temporary
 Proper screened interval? Yes
 Highest GW depth below ground surface: 3.99' Lowest depth: 9.39'
 Flow direction: Assumed westerly
 Most sensitive current use: Industrial/commercial
 Are drinking water wells affected? No Aquifer name: Unknown
 Is surface water affected? No Nearest affected SW name: NA
 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

ENVIRONMENTAL
 PROTECTION
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Treatment and Disposal of Affected Material:

<u>Material</u>	<u>Amount</u> (include units)	<u>Action (Treatment</u> <u>or Disposal w/destination)</u>	<u>Date</u>
Tank Piping Free Product Soil	2 USTs	H & H Shipping in San Francisco	11/15/89
Groundwater Barrels	2,700 gal	H & H Shipping in San Francisco	11/15/89

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>Before¹</u>	<u>After</u>
TPH (Gas)	ND		760	ND
TPH (Diesel)	ND		5,800	370
Benzene	ND		ND	ND
Toluene	ND		ND	ND
Ethylbenzene	ND		ND	1.1
Xylenes	ND		30	1.4
Oil & Grease	ND		10,000	ND
Heavy metals				
Other				

NOTE: 1 Grab groundwater sample collected after pit was purged and allowed to recharge

Comments (Depth of Remediation, etc.):

See Section VII, Additional Comments, etc...

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: **Yes, 2 temporary wells**
 Number Decommissioned: **2** 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: 6/22/95

Reviewed by

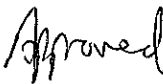
Name: Barney Chan Title: Haz Mat Specialist

Signature:  Date: 6/22/95

Name: Amy Leech Title: Haz Mat Specialist

Signature:  Date: 6/22/95

VI. RWQCB NOTIFICATION

Date Submitted to RB: 6/23/95 RB Response: 

RWQCB Staff Name: Kevin Graves Title: AWRCE

Signature:  Date: 7/10/95

VII. ADDITIONAL COMMENTS, DATA, ETC.

Two USTs (1-10K, 1-2K) in a common pit were removed on November 15, 1989. The tanks were tar wrapped and appeared in good condition. Water in the pit had a slight sheen. Four soil samples were collected at approximately 10 to 12' bgs, from the ends of each UST, in the capillary fringe and analyzed for TPH-G, TPH-D, BTEX, and TOG. None was detected. Approximately 2,700 gallons of groundwater was purged from the pit. A grab groundwater sample was collected after groundwater had recharged into the pit. The water sample detected 760 ppb TPH-G, 5,800 ppb TPH-D, ND for benzene, toluene and ethyl-benzene, 30 ppb xylenes and 10,000 ppb TOG.

To assess groundwater quality beneath the site, three soil borings were advanced in August 2, 1994, around the former UST excavation, to a depth of 19 to 20' bgs. Temporary wells were installed in borings B-1 and B-2 (also called MW-1 and MW-2). A permanent monitoring well was installed in boring B-3 (or MW-3), the assumed downgradient direction from the former tank pit, based on the established groundwater gradient at 500 High Street, the former Cobbledick-Kibbe site. Soil samples were collected from the capillary fringe, at 8 to 9.5', in each boring. TPH-G and BTEX were not detected. Up to 9.0 ppm TPH-D and 61 ppm TRPH were detected in boring B-3. Groundwater was also collected from each boring. Only MW-1 detected contamination: TPH-D at 770 ppb, but no BTEX.

The two temporary wells were grouted. Quarterly sampling of the downgradient well, MW-3, began in October 1994. After three consecutive

quarterly sampling events, a maximum of 370 ppb TPH-D, 1.1 ppb ethylbenzene, and 1.4 ppb xylenes have been detected.

Approximately 120 cy contaminated soil from the initial tank removal was spread in a 6" thick pile for aeration and natural biodegradation. The soil was sampled on August 2, 1994. TPH-G and BTEX were not detected. Up to 19 ppm TPH-D and up to 110 ppm TRPH were detected. The soil has been re-used onsite.

The fuel release from the former USTs at this site does not appear to have significantly impacted groundwater quality. Continued groundwater monitoring is not warranted.

TIDEWATER AVENUE

EXPLANATION

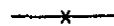


APPROXIMATE SITE BOUNDARY

MW-1



TEMPORARY OR PERMANENT MONITORING WELL LOCATION

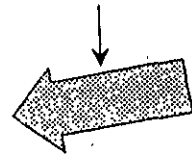


FENCING

TPHg = ND<50
 B = ND<0.5
 T = ND<0.5
 E = ND<0.5
 X = ND<0.5
 TPHd = ND<50
 TRPH = ND<5,000

= DETECTED CONCENTRATIONS OF TOTAL PETROLEUM HYDROCARBONS AS GASOLINE (TPHg), AS DIESEL (TPHd), BENZENE (B), TOLUENE (T), ETHYLBENZENE (E), TOTAL XYLENES (X) AND TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH) - IN µg/L

APPROXIMATE AREA GROUNDWATER GRADIENT DIRECTION



NORTH



APPROXIMATE SCALE IN FEET

TPHg = ND<50
 B = ND<0.5
 T = ND<0.5
 E = ND<0.5
 X = ND<0.5
 TPHd = ND<50
 TRPH = ND<5,000



MW-2

TPHg = ND<50
 B = ND<0.5
 T = ND<0.5
 E = ND<0.5
 X = ND<0.5
 TPHd = 770
 TRPH = ND<5,000



MW-1

TPHg = ND<50
 B = ND<0.5
 T = ND<0.5
 E = ND<0.5
 X = ND<0.5
 TPHd = ND<50
 TRPH = ND<5,000

MW-3



BASED ON DATA COLLECTED 8/2/94

HYDR -
ENVIR **NMENTAL**
TECHN **LOGIES, INC.**

**DISSOLVED HYDROCARBON
 CONCENTRATION MAP 8/94**
 ITEL Terminal
 400 High Street
 Oakland, California

Figure 4

7-288 5/95

Table 2
SUMMARY OF GROUND WATER
SAMPLE ANALYTICAL RESULTS

ITEL Terminals
 400 High Street
 Oakland, CA

Sample I.D. #	Sampling Date	DTW (feet)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	TPHd (mg/L)	TRPH (mg/L)	TDS (mg/L)
MW-1	8/2/94	9.00	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.77	ND<5.0	2200.
MW-2	8/2/94	8.00	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.05	ND<5.0	NA
MW-3	8/2/94	9.30	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.05	ND<5.0	NA
	10/20/94	9.39	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.08	NA	NA
	1/6/95	5.23	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.06	NA	NA
	4/7/95	3.99	ND<50	ND<0.5	ND<0.5	1.1	1.4	0.37 (1)	NA	NA

only during recent well monitored for chemical analytes

Notes:

- DTW: Depth to water.
- TPHd: Total petroleum hydrocarbons as diesel by EPA Method 3510/8015 (DHS-modified).
- TPHg: Total petroleum hydrocarbons as gasoline by EPA Method 8015 (DHS-modified).
- BTEX: Benzene, toluene, ethylbenzene and total xylenes by EPA Method 8020 (DHS-modified).
- TRPH: Total recoverable petroleum hydrocarbons by EPA method 418.1
- TDS: Total dissolved solids by EPA method 160.1
- µg/L: Micrograms per liter.
- mg/L: Milligrams per liter.
- NA: Not analyzed
- n (1): Laboratory note: "The majority of hydrocarbon hits occur in a range later than diesel".