

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, Assistant Agency Director

February 24, 1995

STID 3462

Alameda County CC453C
Environmental Protection Division
1131 Harbor Bay Parkway, Room 250
Alameda CA 94502-6577

REMEDIAL ACTION COMPLETION CERTIFICATE

Cheuk Fung
45 Carlyle Court
Danville, CA 94506

Terrence Fox
Ultramar, Inc.
P.O. Box 466
Hanford, CA 93232-0466

RE: BEACON STATION #379, 14798 WASHINGTON AVENUE, SAN LEANDRO

Dear Messrs. Fung and Fox:

This letter confirms the completion of site investigation and remedial action associated with three gasoline underground storage tanks at the referenced location.

Based on 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 storage 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 Scott Seery at (510) 567-6783 if you have any questions regarding this matter.

Sincerely,


Rafat A. Shahid
Director of Environmental Services

cc: Edgar B. Howell, Chief, Environmental Protection Division
Kevin Graves, RWQCB
Mike Harper, SWRCB
Mike Bakaldin, San Leandro Fire Department

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

Date: 1/31/95

Agency name: **Alameda County-EPD** Address: **1131 Harbor Bay Pkwy #250**
City/State/Zip: **Alameda, CA 94502** Phone: **(510) 567-6700**
Responsible staff person: **Scott Seery** Title: **Sr. Haz. Materials Spec.**

II. CASE INFORMATION

Site facility name: **Beacon Station #379**
Site facility address: **14798 Washington Ave., San Leandro 94578**
RB LUSTIS Case No: **N/A** Local Case No./LOP Case No.: **3642**
URF filing date: **1-30-86** SWEEPS No: **N/A**

<u>Responsible Parties:</u>	<u>Addresses:</u>	<u>Phone Numbers:</u>
Cheuk & Gui-Lan Fung	45 Carlyle Ct. Danville, CA 94506	UNK
Terrence Fox Ultramar, Inc.	P.O. Box 466 Hanford, CA 93232-0466	209-583-5545

<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	gasoline	closed	1/21/86
2	"	"	"	"
3	"	"	"	1/24/86

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: piping leak; corrosion holes in USTs

Site characterization complete? YES

Date approved by oversight agency: UNK

Monitoring Wells installed? NO Number: 3

Proper screened interval? YES

Highest GW depth below ground surface: 8.40' Lowest depth: 11.00'

Flow direction: SW

Most sensitive current use: commercial

Are drinking water wells affected? NO Aquifer name: S.L Cone

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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 filed? Alameda County
1131 Harbor Bay Pkwy
Alameda CA 94502

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	(3 x 10,000 gal.)	UNK	UNK
Piping	UNK	"	"
Free Product	NA		
Soil	~600'yds ³	<u>disposal</u> - Chem Waste Mngt Kettleman City, CA	1/22 - 1/28/86
Groundwater	10,000 gal	<u>disposal</u> - H&H Ship Service San Francisco, CA	1/24/86
Barrels	UNK		

III. RELEASE AND SITE CHARACTERIZATION INFORMATION (Continued)

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (ppm)		Water (ppm)	
	Before	After	Before	After
TPH (Gas)	1260 *	740	86,000	140
TPH (Diesel)	NA	NA	NA	NA
Benzene	14	19	20,000	0.90
Toluene	10	10	6900	1.4
Xylene	110	161	20,000	3.2
Ethylbenzene	26	41	3900	0.57

Comments (Depth of Remediation, etc.):

Initial soil samples were collected from the base of the contiguous UST pits at the soil/water "interface," according to the 1986 AGS closure report, at a depth of ~10½ ft BG. Tank bottoms were reportedly at a depth of ~10' BG. Following UST removal (and to facilitate installation of new USTs) the pits were enlarged and deepened, extending to a depth of ~12½ to 13' BG. A limited number of soil samples were collected from the bottom and sidewalls of the final excavation.

Initial bottom samples exhibited ≤ 1260 ppm "total hydrocarbons" (TH)*. Final sidewall samples exhibited TH concentrations of between 1.6 and 740 ppm. Poned GW in the base of the excavation, stabilizing at ~10-11' BG, exhibited evident product emulsion. Final bottom samples were, hence, clearly collected from saturated sediments.

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Because of the saturated nature of the excavated sediments, fine Colma sand was mixed with the excavated material in order to facilitate it's stabilization and prevent adsorbed water loss during transport to the disposal site. In all, submitted Uniform Hazardous Waste Manifests indicate that very approximately 600+ yds³ of excavated material mixed with sand was transported to the Chemical Waste Management Class I facility in Kettleman City, CA for disposal between January 22 and 26, 1986.

A total of ~10,000 gals of GW was pumped temporarily into tank #3 to facilitate the sequential placement of new USTs into the enlarged excavation. This water was later removed from tank #3 and transported under manifest to H&H Ship Service, S.F.

UST disposal is not documented.

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

Should corrective action be reviewed if land use changes? YES

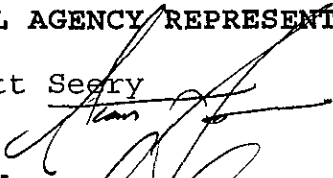
Monitoring wells Decommissioned: YES

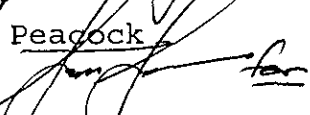
Number Decommissioned: none (pending case closure) Number Retained: 3

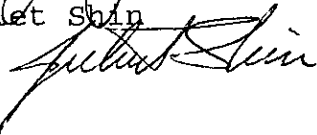
List enforcement actions taken: none

List enforcement actions rescinded: none

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Scott Seery Title: Sr Haz Mat Specialist
Signature:  Date: 2-8-95

Reviewed by
Name: Tom Peacock Title: Supervising Haz Mat Specialist
Signature:  Date: 2-8-95

Name: Juliet Shin Title: Sr Haz Mat Specialist
Signature:  Date: 2/8/95

Leaking Underground Fuel Storage Tank Program

VI. RWQCB NOTIFICATION

Date Submitted to RB: RB Response:
RWQCB Staff Name: Kevin Graves Title: San. Engineering Assoc. Date:

VII. ADDITIONAL COMMENTS, DATA, ETC.

Holes were reportedly observed in two of three USTs removed during January 1986, likely sources of the release noted at that time. Additionally, the San Leandro Fire Department reports that at some time in early 1985 they received a complaint that gasoline was "... rising out of cracks in the cement pad on the north side of the southern pump island." This leak was apparently confirmed and repaired.

Following the 1986 UST replacements, a single GW monitoring well (MW-1) was installed in the *inferred* down-gradient direction from the UST pit during July 1986. GW was encountered at ~10' BG in this boring. Water bearing sediments are described as a medium-to-high plasticity CLAY.

Hydrocarbons were not detected in the single soil sample analyzed, collected from a depth of 10' BG. Although TH and BTEX were sought, only 3.0 ppb TH was detected in the initial GW sample collected. Subsequent sampling of this well occurred during 1/87, 7/87, and 7/88 with comparably unremarkable results.

Two additional wells were installed at the site during July 1991 as a result of Ultramar's planned divestment of the site. Using the triangulation provided by the addition of these wells, GW was found to flow towards the SW, not to the NW as had been inferred during the previous stages of the investigation.

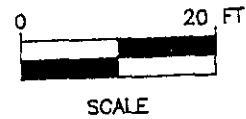
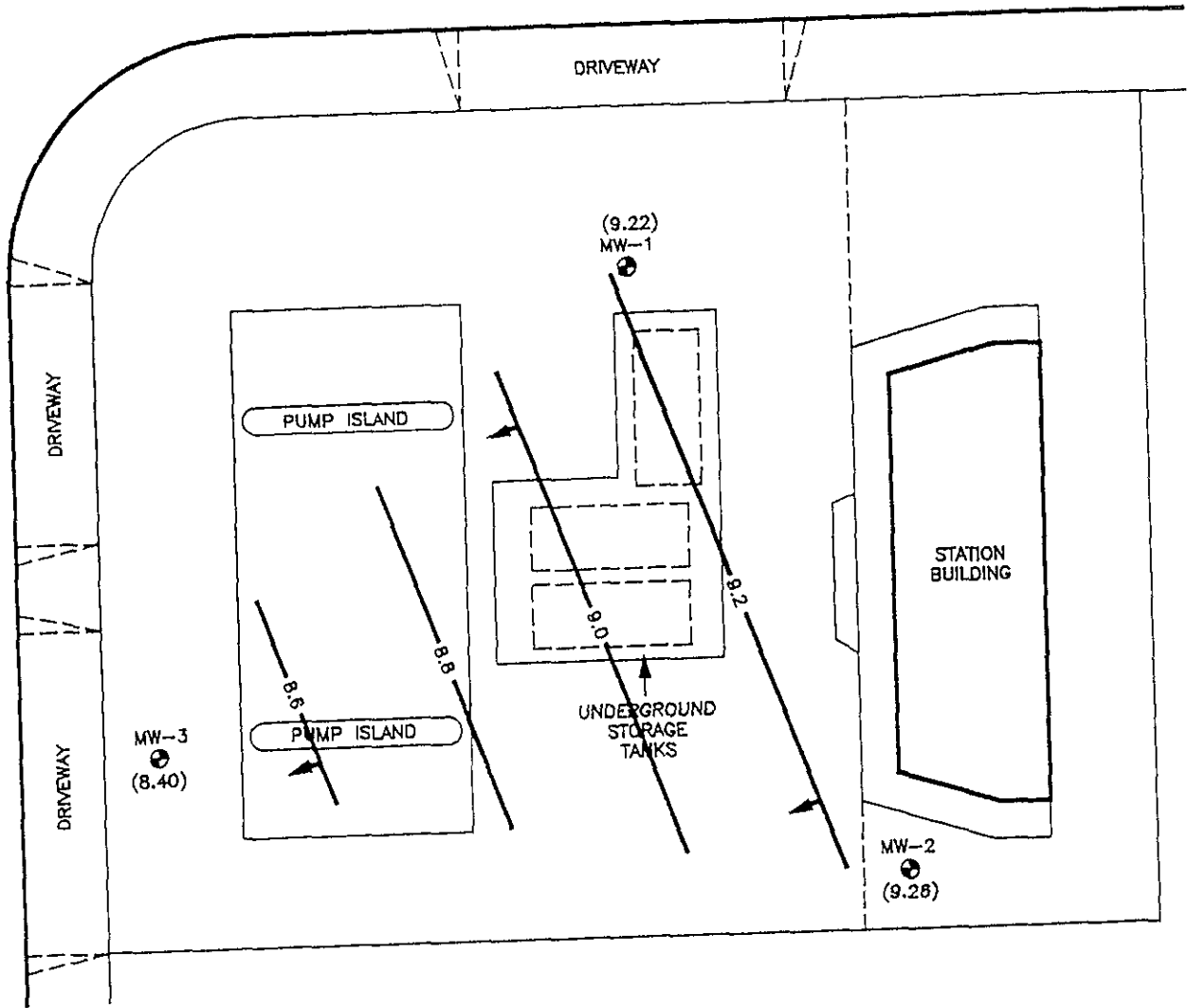
GW appeared to be present in clayey- and gravelly-SAND, and was encountered at ~10' BG. Initial GW results indicate elevated TPH-G and above-MCL levels of benzene in water sampled from both MW-2 and -3.

Well MW-3, located down-gradient of both the UST pit and southern dispenser island was repurged 3 additional times between 7/19 and 7/26/91 in an attempt to reduce initial concentrations of dissolved phase HCs, with some success. TPH-G concentrations dropped from the initial concentration of 3700 to 150 ppb during the final (7/26/91) event; benzene concentrations were likewise reduced from the initial 7 ppb, to ND.

All three wells were sampled during 9/91, 6/92, and finally, during 4/94. Although detectable concentrations of benzene, toluene, xylenes and TPH-G were noted for the first time since 1987 in water sampled from MW-1, concentrations of dissolved HCs in down-gradient well MW-3 have remained unremarkable.

BRADRICK DRIVE

WASHINGTON AVENUE



LEGEND:

- MW-1 MONITORING WELL LOCATION
- (9.22) GROUND WATER ELEVATION IN FEET RELATIVE TO ASSUMED BENCH MARK
- 9.0 — WATER TABLE CONTOUR IN FEET RELATIVE TO ASSUMED BENCH MARK
- ← INFERRED GROUND WATER DIRECTION

NOTE:

BASE MAP ADAPTED FROM RESNA FIGURE DATED 7/10/92.
SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.

FIGURE 3
WATER TABLE CONTOUR MAP - 4/5/94
BEACON STATION NO. 379
14798 WASHINGTON AVENUE
SAN LEANDRO, CA.

PROJECT NO. 0094-955	DRAWN BY I.H. 4/19/94
FILE NO. 94-955-1	PREPARED BY PVZ
REVISION NO. 1	REVIEWED BY <i>[Signature]</i>

**Delta
Environmental
Consultants, Inc.**

TABLE 2
 RESULTS OF CUMULATIVE CHEMICAL ANALYSES
 OF WATER SAMPLES FROM WELL MW-1
 Beacon Station No. 379
 14798 Washington Avenue
 San Leandro, California

Date Sampled	Sample Number	TPH	B	E	T	X
07/86	W-10-MW1	0.0030*	<0.0005	<0.0005	<0.0005	<0.0005
01/87	W-18-MW1	0.0020*	<0.0010	<0.0010	<0.0010	<0.0010
07/87	W-12-MW1	0.0024*	<0.0005	<0.0005	<0.0005	<0.0005
07/88	W-11-MW1	<0.02	<0.0005	<0.0005	<0.0005	<0.0005

Results in milligrams/liter (mg/L) = parts per million (ppm)
 TPH: Total petroleum hydrocarbons
 BETX: Benzene, Ethylbenzene, Toluene, and Total Xylenes
 * Analyzed for total volatile hydrocarbons
 < = Result below detection limit for selected analysis method
 Sample Identification:

W-11-MW1

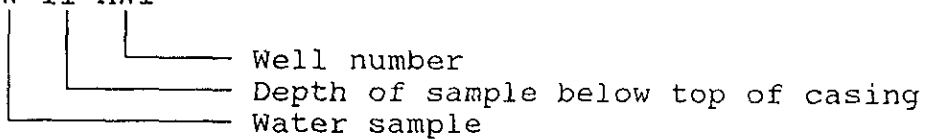


TABLE 2

GROUND WATER SAMPLE ANALYTICAL RESULTS
 Concentrations in micrograms per liter ($\mu\text{g/L}$)

Beacon Station No. 379
 14798 Washington Avenue
 San Leandro, California

Monitoring Well	Date Sampled	Benzene	Toluene	Ethyl-benzene	Xylenes	TPH ^a
MW-1	07/10/91	ND ^b	ND	ND	ND	ND
	09/18/91	ND	ND	ND	ND	ND
	06/23/92	ND	ND	ND	3.2	140
	04/05/94	0.90	1.4	<0.5	ND	ND
MW-2	07/10/91	ND	ND	ND	ND	ND
	09/18/91	ND	ND	ND	ND	ND
	06/23/92	ND	ND	ND	<0.5	<0.5
	04/05/94	<0.5	<0.5	<0.5	3.4	3,700
MW-3	07/10/91	7.0	7.5	6.4	15.0	1,300
	07/19/91	13.0	19.0	8.9	4.0	1,500
	07/25/91	3.0	1.0	30	0.7	150
	07/26/91	ND	ND	2.1	1.0	79
	09/18/91	ND	1.0	0.5	ND	230
	06/23/92	ND	ND	ND	<0.5	53
	04/05/94	<0.5	<0.5	0.57	<0.5	

- ^a Total petroleum hydrocarbons as gasoline.
^b None detected, detection limit unknown.