

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

September 5, 1995

STID 4431

DEPARTMENT OF ENVIRONMENTAL HEALTH  
ALAMEDA COUNTY CC4580  
DEPT. OF ENVIRONMENTAL HEALTH  
DIV. OF ENVIRONMENTAL PROTECTION  
1131 HARBOR BAY PKWY., #250  
ALAMEDA CA 94502-6577

REMEDIAL ACTION COMPLETION CERTIFICATION

Mr. Harmon Shragge, Jr.  
Harmon M. Shragge & Company  
12 Geary Street, Ste. 303  
San Francisco, CA 94108

Mr. John S. Tounger  
Transportation Terminals Company  
P.O. Box 882682  
San Francisco, CA 94188-2682

RE: (FORMER) OLD DOMINION FREIGHT LINE, INC., 993 BEECHER ST.,  
SAN LEANDRO

Dear Messrs. Shragge and Tounger:

This letter confirms the completion of site investigation and remedial action for the fuel underground storage tanks formerly located at the above-described location. Enclosed is the Case Closure Summary for the referenced site for your records.

Based upon the available information, including 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 storage tank release is required.

This notice is issued pursuant to a regulation contained in Title 23, California Code of Regulations, Division 3, Chapter 16, Section 2721(e). If a change in land use is proposed, the owner must promptly notify this agency.

Please contact Scott Seery at (510) 567-6783 if you have any questions regarding this matter.

Sincerely,

Jun Makishima  
Acting Director of Environmental Services

Messrs. Shragge and Tounger  
RE: 993 Beecher St., San Leandro  
September 5, 1995  
Page 2 of 2

c: Leroy Todd, Acting Chief, Env. Protection Division  
Kevin Graves, RWQCB  
Mike Harper, SWRCB  
Mike Bakaldin, San Leandro Hazardous Materials Program

*file /SOS*

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CASE CLOSURE SUMMARY  
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

Date: 08/24/95

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: Old Dominion Freight Line, Inc.  
Site facility address: 993 Beecher Street, San Leandro 94577  
RB LUSTIS Case No: N/A Local Case No./LOP Case No.: 4431  
URF filing date: 01\30\88; 01/08/91 SWEEPS No: N/A

<u>Responsible Parties:</u>	<u>Addresses:</u>	<u>Phone Numbers:</u>
Harmon M. Shragge & Co. <u>Attn:</u> Harmon Shragge, Jr.	12 Geary Street, #303 San Francisco, CA 94108	415-781-8050
Transportation Terminals Co. <u>Attn:</u> John S. Tounger	P.O. Box 882682 San Francisco, CA 94188-2682	

<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	removed	12/10/90
2	10,000	diesel	"	"
3	550	waste oil	"	"

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: UNK

Site characterization complete? YES

Date approved by oversight agency: Aug. 23, 1995

Monitoring Wells installed? YES Number: 3

Proper screened interval? YES

Highest GW depth below ground surface: 6.7' BG Lowest depth: 8.8' BG

Flow direction: SW

Most sensitive current use: commercial

Are drinking water wells affected? NO Aquifer name: San Leandro cone

Is surface water affected? NO Nearest affected SW name: NA

Off-site beneficial use impacts (addresses/locations): NA

Leaking Underground Fuel Storage Tank Program

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	2 x 10,000; 1 x 550 gal	disposal; Erickson, Richmond	12/10/90
Piping	UNK	UNK	
Free Product	NA		
Soil	650+ yds <sup>3</sup>	biotreatment; on-site reuse	8/6/91 - 10/31/91
Groundwater	55 gals.	recycle; Gibson Oil, RWCity	9/17/93
Barrels	NA		

**III. RELEASE AND SITE CHARACTERIZATION INFORMATION (Continued)**

**Maximum Documented Contaminant Concentrations - - Before and After Cleanup**

<b>Contaminant</b>	<b>Soil (ppm)</b>		<b>Water (ppb)</b>	
	<u>Before</u>	<u>After</u>	<u>Before</u>	<u>After</u>
TPH (Gas)	430	ND	1,500	ND
TPH (Diesel)	44,000	"	33,000	"
Benzene	0.007	"	ND	"
Toluene	0.015	0.008	"	"
Xylene	0.0025	0.007	1.9	"
Ethylbenzene	ND	ND	ND	"
Oil & Grease	ND	NA	NA	"
Heavy metals	*	"	"	200 (Zn)
Other: <b>HVOC</b>	ND	"	"	ND

\* **Note:** Initial soil analysis from waste oil UST pit revealed only 13 ppm Cr and 54 ppm Zn, apparent geogenic concentrations.

**Comments (Depth of Remediation, etc.):**

Three USTs (1 diesel, 1 gasoline, and 1 waste oil) were removed during December 1990. Closures were performed under San Leandro Fire Department oversight. The fuel USTs shared a single excavation, while the waste oil UST was located in a separate excavation located approximately 60' west of the fuel UST cluster.

Shallow ground water (GW) was encountered in the fuel UST excavation at an approximate depth of 10' below grade (BG). Obvious fuel contamination was reportedly observed in excavated soil, pit sidewalls, and GW associated with the fuel UST cluster. Initial soil samples were reportedly collected from the fuel UST excavation near its four corners, below the USTs, from the base of the excavation (saturated?). A single soil sample was collected from below the waste oil UST.

Leaking Underground Fuel Storage Tank Program

Up to 44,000 ppm TPH-D and 430 ppm TPH-G were discovered in the soil samples collected from the fuel UST excavation. A water sample collected from the same excavation revealed 33,000 ppb TPH-D, 1500 ppb TPH-G, and 1.9 ppb total xylenes. No release was identified with the waste oil tank.

Subsequent to UST closure, the fuel UST pit was reportedly expanded during August 1991 through the excavation of an additional 650 yds<sup>3</sup> of material. It appears that the excavation was expanded laterally; total depth is undocumented. Reported field screening techniques ("organoleptic" and field instruments) guided the scope of excavation activities. Six (6) confirmatory soil samples were collected from the final excavation: five (5) at the apparent capillary fringe (~ 8.5 - 9' BG), and one at the pit base (12' BG). Only low ppb-range toluene and xylenes were detected in final samples.

Excavated material (~650+ yds<sup>3</sup>) were reportedly bioremediated on-site between August and mid October 1991. Soil was reportedly inoculated with hydrocarbon-utilizing bacteria and nutrients. Soil chemistry was reportedly tracked periodically through the course of treatment. Following completion of treatment, final soil samples were collected on 10/31/91 at a rate of approximately one discrete per 20 yds<sup>3</sup> - a total of 32 samples.

All 32 post-remediation samples were below detection limits for TPH-G (<2 ppm) and BTEX. Thirty of the 32 samples were below detection limits (10 ppm) for TPH-D; the remaining 2 samples both had TPH-D concentrations of 11 ppm. It was reported that this material was used to backfill a portion of the excavation.

**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: NO (pending case closure)

Number Decommissioned: NA                                 Number Retained: 3

List enforcement actions taken: NONE

List enforcement actions rescinded: NONE

Leaking Underground Fuel Storage Tank Program



V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Scott O. Seery Title: Sr. Haz Mat Specialist  
Signature:  Date: 8-31-95

Reviewed by  
Name: Juliet Shinn Title: Sr. Haz Mat Specialist  
Signature:  Date: 8/31/95

Name: Dale Klettke Title: Haz Mat Specialist  
Signature:  Date: 8-31-95

VI. RWQCB NOTIFICATION

Date Submitted to RB: 8/31-95 RB Response:   
RWQCB Staff Name: Kevin Graves Title: San. Eng. Assoc. Date: 8/31/95  


VII. ADDITIONAL COMMENTS, DATA, ETC.

An initial monitoring well was installed in the "inferred" downgradient location (west) from the fuel UST excavation during October 1992, and initially developed/sampled during November 1992. GW was encountered at a reported depth of 11' BG, stabilizing at 8.8' BG. Approval for the placement of a single well in the chosen location was based on the consultant's commitment to demonstrate that "...the well [was] hydraulically connected to the existing monitoring wells.." located at a site ~800 feet south of the subject site. Ultimately, this demonstration was never presented.

Soil samples, collected at 5' intervals during boring advancement, were ND for TPH-D/-G and aromatics except for 0.22 and 0.13 ppm toluene at both the 5 and 10' depths, respectively. Initial GW samples, collected 11/17/92, were all ND for all constituents.

This single well was subsequently sampled 5/18/93 and 9/21/93. Only TPH-D range compounds (140 ppb) were detected during the 5/93 event, identified by the lab as from "discrete peaks."

To confirm flow direction, the installation of two additional wells was requested by ACDEH during December 1994. Following receipt and approval of a work plan submitted by the property owner's consultant, two additional wells were installed during February 1995. However, at the reported direction of the property owner, via a reported request from the City of San Leandro's consultant, one of the approved well locations was moved ~55 feet away from the subject fuel UST pit, and emplaced next to the former waste oil UST pit. ACDEH was not notified of this change.

**Leaking Underground Fuel Storage Tank Program**

No detectable fuel compounds were discovered in soil samples collected during boring advancement.

The new and existing wells were sampled three times during 1995: February (when wells MW-2 and -3 were first constructed), June and July. During the three sampling events, no detectable fuel compounds were identified in GW sampled from the 3 well network at the site. In addition, no detectable concentrations of HVOC and TPH-mo, or noteworthy metal concentrations, were discovered in GW sampled from select wells during the 2/95 event.

Based on SW flow directions calculated during the February and June 1995 monitoring events, the well network appears appropriately placed.

BEECHER STREET

933 Beecher St.  
San Leandro

Approximate  
Site Boundary

Approximate  
Groundwater  
Gradient on  
06/28/95

Former  
Underground  
Storage Tank  
Excavation

7.20 7.40 7.60 7.90 8.00 8.20

MW-2  
(7.09)


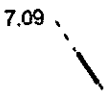
MW-3  
(8.25)

Former  
Underground  
Storage Tank

Building

MW-1  
(7.57)

**EXPLANATION**

-  MW-2 (7.09) Monitoring Well Location and Designation (Approximate Groundwater Elevation)
-  7.09 Approximate Groundwater Elevation Contour

**NOTES:**

- 1) All locations and dimensions are approximate.
- 2) Base map modified from figure provided by Harmon M. Shragge & Co.
- 3) Elevations are in feet above mean sea level.

**RECON**  
Environmental Corp.

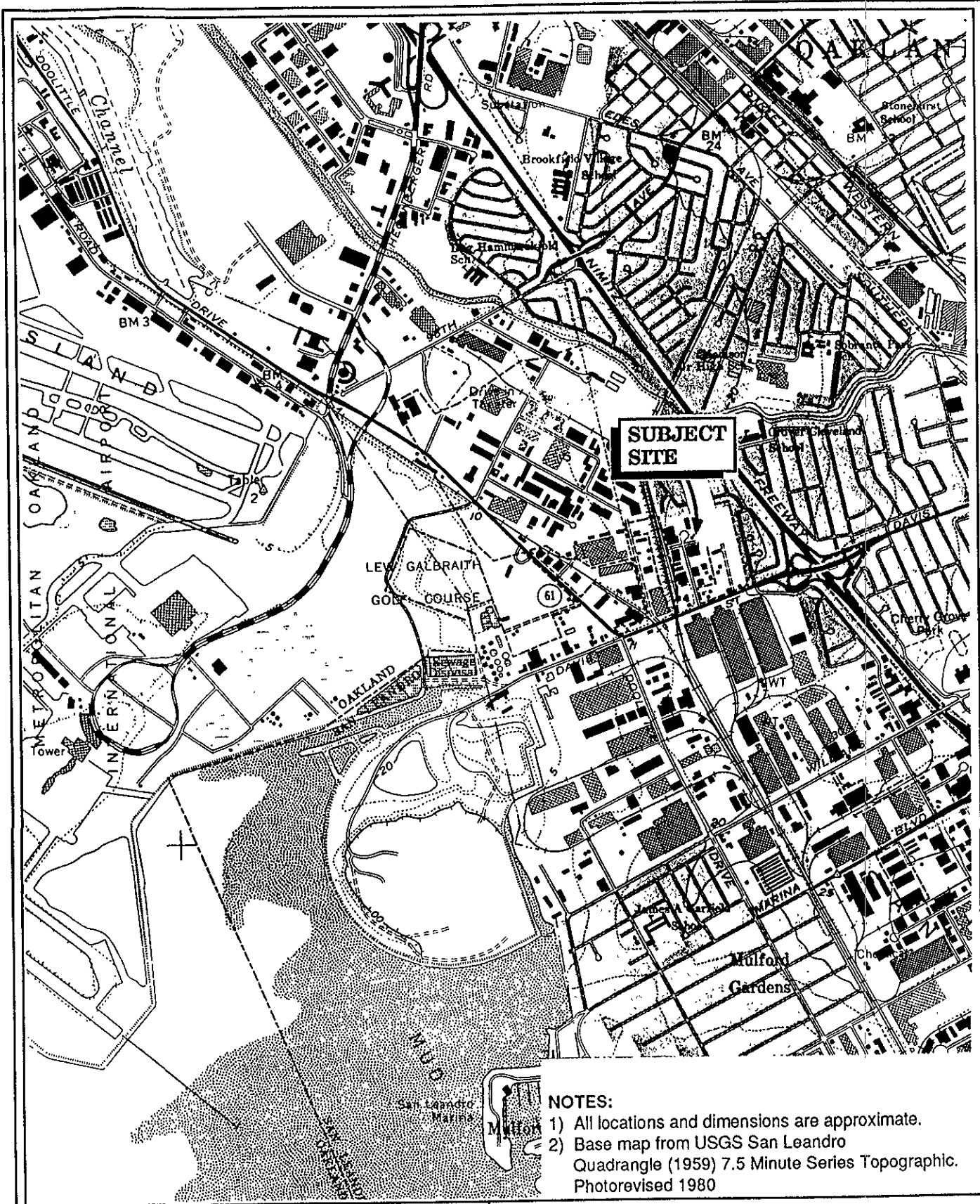
7000 Marina Blvd. 4th Fl.  
Brisbane, CA 94005



0 50'  
Scale

**FIGURE 2.**  
**SITE PLAN**





- NOTES:**
- 1) All locations and dimensions are approximate.
  - 2) Base map from USGS San Leandro Quadrangle (1959) 7.5 Minute Series Topographic. Photorevised 1980

**RECON**  
Environmental Corp.

7000 Marina Blvd, 4th Fl.  
Brisbane, CA 94005



0 ————— 2000'  
Scale

**FIGURE 1.**  
**SITE LOCATION MAP**