



EDMUND G. BROWN JR.
GOVERNOR

MATTHEW RODRIGUEZ
SECRETARY FOR
ENVIRONMENTAL PROTECTION

Alameda County
MAY 10 2012
Environmental Health

State Water Resources Control Board

April 30, 2012

JW SILVEIRA
C/O VIRGINIA TRACY
499 EMBARCADERO,
OAKLAND CA 94606

**REVISED THIRD 5-YEAR REVIEW SUMMARY REPORT FOR CLAIM NUMBER: 10290;
SITE ADDRESS: 2301 E 12th STREET, OAKLAND, CA**

The UST Cleanup Fund has completed our review of your claim. A copy of our 5-Year Review Summary Report, including our recommendations for your site, has been transmitted to your regulatory agency caseworker and we are enclosing a copy for your information. Please note that the Fund's recommendations are based on our review of information contained in the Fund's case files, data currently in the GeoTracker database and any other sources of information that were readily available to Fund staff at the time the review was conducted. Consequently, they do not reflect any information that may have recently been submitted by your consultant to the regulatory agency.

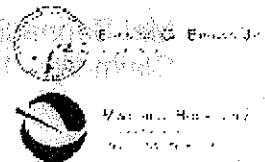
The Fund's recommendations, as a result of the five-year review process, do not relieve you of any responsibilities or activities for which you have been directed to conduct by the local regulatory agency responsible for oversight of your case.

If you have any questions regarding the attached information, please call me at (916) 341-5684 or Pat G. Cullen at (916) 341-5735.

Sincerely,

Robert Trommer
Senior Engineering Geologist
Chief, Technical Review Unit
Underground Storage Tank Cleanup Fund

Enclosure



Edmund G. Brown Jr.
Governor

State Water Resources Control Board

USTCF 5-YEAR REVIEW SUMMARY
REVISED THIRD REVIEW – APRIL 2012

Agency Information

Agency Name: Alameda County LOP	Address: 1131 Harbor Bay Parkway, Alameda CA 94502
Agency Caseworker: Mark Detterman	

Case Information

Case No: RO0000387	Global ID: T0600101212
Site Name: Mel Senna Brake Service	Site Address: 2301 East 12 th Street, Oakland, CA 94601
Responsible Party: J.W. Silveira c/o Virginia Tracey	Address: 499 Embarcadero, Oakland, CA 94606
USTCF Claim No.: 10290	Number of Years Case Open: 22
USTCF Expenditures to Date: \$70,981	

Tank Information

Tank No.	Size in Gallons	Contents	Closed in Place/ Removed/Active ?	Date
T-1	6,000	Gasoline	Removed	December 1990
T-2	1,000	Diesel	Removed	December 1990
T-3	1,000	Waste Oil	Removed	February 1991
T-4	1,000	Waste Oil	Removed	February 1991

Release Information

- Source of Release: Underground storage tank system (USTs)
- Date of Release: Reported 12/24/1990
- Affected Media: Soil and Groundwater

Site Information

- GW Basin: Santa Clara Valley – East Bay Plain
- Watershed: South Bay - East Bay Cities
- Beneficial Uses: Municipal and domestic supply
- Land Use Designation: Commercial
- Distance to Nearest Supply Well: According to data available in GeoTracker, there are no California Department of Public Health (CDPH) regulated water supply wells within 1/2 mile of the Site.
- Minimum Groundwater Depth: 5.15 feet below ground surface (bgs) at monitoring well MW-6.
- Maximum Groundwater Depth: 8.62 feet bgs at monitoring well MW-5.

- Groundwater Flow Direction: Predominately to the west-northwesterly with an average gradient of 0.0035 feet/foot.
- Soil Types: The Site is underlain clay, silty clay, and sandy clay, with intermittent layers of clayey sand.
- Maximum Depth Sampled: 19 feet bgs

Monitoring Well Information

Well Designation	Date Installed	Screen Interval (feet bgs)	Most Recent DTW (feet bgs) (2/17/2011)
MW-1	July 1992	13-28	7.23
MW-2	July 1992	4-19	5.78
MW-3	July 1992	4-19	5.75
MW-4	March 1994	8-20	6.42
MW-5	March 1994	8-20	7.09
MW-6	March 1994	8-20	5.15
EW-1	Unknown	8-30	5.43

NA: Not Available

Petroleum Hydrocarbon Constituent Concentration

Contaminant	Soil (mg/kg)		Water (µg/L)		WQOs (ug/L)
	Maximum	Latest 3/10/2009	Maximum	Latest (2/17/2011)	
TPHg	NA	390	NA	10,000	--
TPHd	NA	280	490,000	11,000	--
TPHmo	NA	NA	2,500	2,500	--
Benzene	NA	ND	5,200	350	1
Toluene	NA	ND	160	33	150
Ethylbenzene	NA	0.84	1,000	5.1	700
Xylenes	NA	ND	1,100	24	1,750
MTBE	NA	NA	NA	<5.0	5
TBA	NA	ND	NA	12	1,200a
PCE	NA	ND	NA	<5.0	0.06
TCE	NA	ND	NA	6.4	0.8

NA: Not Analyzed, Not Applicable or Data Not Available

ND: Not Detected above laboratory detection limit

mg/kg: milligrams per kilogram, parts per million

ug/L: micrograms per liter, parts per billion

WQOs: Water Quality Objectives

a: CDPH, Response

Site Description

The Site is located at 2301 East 12th Street, Oakland, CA. The Site is located in an industrially zoned area and bordered to the northeast by East 12th Street, to the southeast by railroad property, to the northwest by 23rd Avenue and a public park, and to the southwest by a furniture restoration facility.

Site History/Assessments

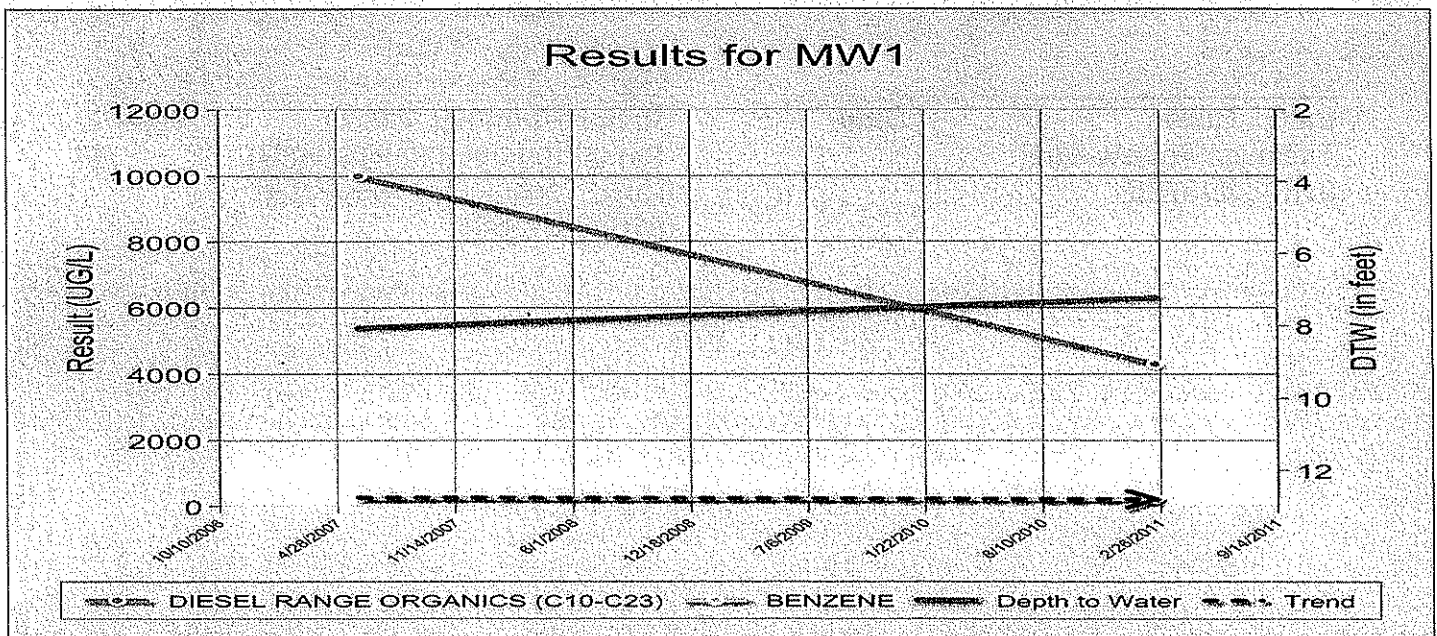
The subject site was previously a gas station and vehicle repair facility, and is currently a tire and brake repair facility. In 1990 and again in 1991 USTs were removed from the Site and petroleum hydrocarbons were identified in the excavation. Since then six groundwater monitoring wells and one groundwater extraction well have been installed and monitored in an infrequent manner. An additional thirteen soil borings and six soil gas samples have also been installed and samples collected.

Remediation Summary

- Free Product: A sheen has been reported in MW-1
- Soil Excavation: Unknown quantity
- In-Situ Soil Remediation: None reported
- Groundwater Remediation: None reported

General Site Conditions

- Geology and Hydrogeology: The Site is underlain by clay, silty clay, and sandy clay, with intermittent layers of clayey sand. The depth to groundwater varies seasonally between five and nine feet bgs and the groundwater gradient is west-northwest at approximately 0.0035 feet per foot.
- Estimate of Hydrocarbon Mass in Soil: None reported.
- Groundwater Trends: There are more than 19 years of infrequent groundwater monitoring data for this Site. The graph below presents groundwater concentrations of TPHg, TPHd and benzene for Site well MW-1. Please note that the Site has been sampled twice in the past 5 years.



- Water Quality Objectives: Water Quality Objectives have not been achieved.

Sensitive Receptor Survey

Alameda County
Mel Senna Brake Service
Claim No. 10290

APR 30 2012

APR 20 2012

Environmental Health

A Sensitive Receptor Survey (SRS) was not reported. A records search of the CDPH regulated supply wells within a 2,000 foot radius of the Site. San Francisco Bay is located approximately 2,500 feet west of the Site. Drinking water at and near the Site is currently supplied by the East Bay Municipal Utility District.

Risk Evaluation

None reported

Recommendation

In March 2009, the Fund made the following recommendation: The Alameda County LOP directed the Responsible Party to submit a Work Plan by 10 June 2009 to assess the extent of contamination. The Fund concurs and will review this site next year to track progress.

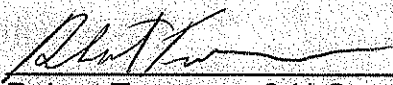
UPDATED, March 2010: This site has been under investigation for 19 years. The Fund recommends that the Alameda County LOP direct the Responsible Party to assess remedial technologies and implement active remediation to achieve Water Quality Objectives and reduce vapor migration risks in a timely manner. The Fund will review this site next year to track progress.

REVISED, April 2010: The Fund acknowledges that further site characterization should be conducted concurrently with the implementation of remediation.

UPDATE, April 2012: The Fund understands the approved work has begun and there were delays because of health issues with the responsible party and off-site access issues. The Fund concurs with the ongoing assessment.

Pat G. Cullen
Technical Review Unit
(916) 341-5735

Date


Robert Trommer, C.H.G.
Senior Engineering Geologist
Chief, Technical Review Unit
(916) 341-5684

Date