



Linda S. Adams
Secretary for
Environmental Protection

State Water Resources Control Board

Division of Financial Assistance

1001 I Street • Sacramento, California 95814
P.O. Box 944212 • Sacramento, California • 94244-2120
(800) 813-FUND (3863) • FAX (916) 341-5806 • www.waterboards.ca.gov/water_issues/programs/ustcf/



Arnold Schwarzenegger
Governor

December 7, 2009

Petroleum Tank Line
Mr. Charles Moore

NOTIFICATION OF PUBLIC HEARING

UNDERGROUND STORAGE TANK (UST) CLEANUP FUND (FUND), MEETING
NOTIFICATION FOR CASE CLOSURE RECOMMENDATION, PURSUANT TO HEALTH AND
SAFETY CODE SECTION 25299.39.2: CLAIM NUMBER: 11567; SITE ADDRESS: 2600 RICE
AVENUE, WEST SACRAMENTO, CA

By this letter, as Fund Manager, I am informing you of the Fund's intent to recommend closure of your UST site cleanup case to the State Water Resources Control Board (State Water Board) at its January 19, 2010, Board meeting.

In the interim, any reasonable, necessary, and eligible costs that you incur and submit in a properly documented reimbursement request will continue to be reimbursed by the Fund, as monies are available.

Meeting Notice

The State Water Board is planning to consider closing your UST case at its meeting that will be held on January 19, 2010 commencing at 9:00 AM in the Coastal Hearing Room, Second Floor of the Cal/EPA Building, 1001 I Street, Sacramento, California. Under separate cover at a later date, you will receive an agenda for this meeting.

Legal Authority

Health & Safety Code Section 25299.39.2(a) requires that the Fund Manager notify UST owners or operators who have a Letter of Commitment (LOC) that has been in active status for five or more years and to review the case history of these sites on an annual basis unless otherwise notified by the UST owner or operator. In addition, the H&SC section further states that the Fund Manager, with approval of the UST owner or operator, may recommend regulatory case closure to the State Water Board. This process is called the "5-Year Review." The State Water Board may close or require the closure of a UST case that is under the jurisdiction of a regional water quality control board (regional water board) or a local agency participating in the State Water Board's local oversight program.

Discussion

Having obtained your approval and pursuant to Health and Safety Code Section 25299.39.2(a) to recommend closure of your UST case to the State Water Board, enclosed is a copy of the UST Case Closure Summary for your UST case. The case closure summary contains information about your UST case and forms the basis for UST Cleanup Fund manager's recommendation to the State Water Board for UST case closure. A copy of the Case Closure Summary is also being provided to your environmental consultant and the regional water board that has been overseeing corrective action at your site. Other interested persons may obtain a copy of the Case Closure Summary by contacting Ms. Dennise Walker, at (916) 341-5789.

Comments

At the meeting, interested persons will be allowed to comment orally on the case closure recommendation (including the case closure summary), subject to the following time limits. The UST Cleanup Fund claimant and the regional water board overseeing corrective action at the site will be allowed five minutes for oral comment, with additional time for questions by the State Water Board members. Other interested persons will be allotted a lesser amount of time to address the State Water Board. At the meeting, the State Water Board may grant UST case closure, deny case closure, or may continue consideration until a later meeting.

Written comments on the case closure summary must be received by the State Water Board by 12:00 p.m. on December 31, 2009. Please provide the following information in the subject line: January 19, 2010 Board Meeting, UST Case Closure, and applicable site address and UST Cleanup Fund claim number. Comments must be addressed to:

Ms. Jeanine Townsend
Clerk to the Board
State Water Resources Control Board
1001 I Street, 24th Floor [95814]
P.O. Box 100
Sacramento, CA 95812-0100
(tel) 916-341-5600
(fax) 916-341-5620
(email) commentletters@waterboards.ca.gov

If you have any questions regarding this matter, please contact Mr. Robert Trommer at (916) 341-5684.

Sincerely,



Ronald M. Duff, P.E., Fund Manager
Underground Storage Tank Cleanup Fund

Enclosure

cc: see next page

cc: Mr. Mike Geregthy, Ramcon Engineering, West Sacramento, CA
Ms. Pamela Creedon, Executive Officer, RWQCB, Rancho Cordova
Mr. Brian Newman, UST Program Manager, RWQCB, Rancho Cordova
Mr. David Stavarek, UST Case Manager, RWQCB, Rancho Cordova
Mr. & Mrs. Fred Gregory, West Sacramento, CA
Mr. & Mrs. Alfonso Jorin, West Sacramento, CA
Mr. & Mrs. Dennis Blazona, Loomis, CA
Mr. & Mrs. Jose Muro, Sacramento, CA
Ms. Marleen Norene, Sacramento, CA
Mr. Frank Grisby, West Sacramento, CA
Malone Family Real Estate LLC, Loomis, CA
McGuire & Hester, Loomis, CA
Samra Group, West Sacramento, CA



State Water Resources Control Board



Linda S. Adams
Secretary for
Environmental Protection

Division of Financial Assistance
1001 I Street • Sacramento, California 95814
P.O. Box 944212 • Sacramento, California • 94244-2120
(916) 341-5660 FAX (916) 341-5806 ♦ www.waterboards.ca.gov/cwphome/ustcf

Arnold Schwarzenegger
Governor

Draft UST Case Closure Summary

This Underground Storage Tank (UST) Case Closure Summary has been prepared in support of a recommendation by the Petroleum Underground Storage Tank Cleanup Fund (Fund) to the State Water Resources Control Board (State Water Board) for closure of the UST case located at 2600 Rice Avenue, West Sacramento, CA 95691 (Site). All record owners of fee title for this site as well as adjacent property owners and other interested parties, as appropriate, have been notified of the closure recommendation and given an opportunity to provide comments.

Agency Information

Date: November 25, 2009

Agency Name: Central Valley Regional Water Quality Control Board Sacramento Office (Regional Board)	Address: 11020 Sun Center Drive #200, Rancho Cordova, CA 95670-6114
Responsible staff person: David Stavarek	Title: Engineering Geologist, P.G.

Case Information

Regional Board Case No: 570255	Global ID: T0611300202
Site Name: Petroleum Tank Line	Site Address: 2600 Rice Avenue, West Sacramento, CA 95691
Responsible Party: Mr. Charles Moore	Fund Expenditures to Date: \$157,024
Fund Claim No.: 11567	Number of Years Open: 13

Tank Information

Tank No.	Size in Gallons	Contents	Closed in Place/ Removed/Active?	Date
T-1	10,000	Diesel	Removed	Aug 18, 1995
T-2	10,000	Diesel	Removed	Aug 18, 1995
T-3	2000	Gasoline	Removed	Aug 18, 1995
T-4	1000	Waste Oil	Removed	Aug 18, 1995

Release Information

- Source of Release: UST system.
- Date of Release: The reported date of the release is August 18, 1995.
- Affected Media: Soil and groundwater.

Site Information

- GW Basin: Sacramento Valley
- Beneficial Uses: municipal and domestic water supply (MUN), agricultural supply (AGR), industrial service supply (IND), and industrial process supply (PRO)
- Land Use Designation: Commercial
- Distance to Nearest Supply Well: None identified within ½ mile radius of the site.
- Minimum Shallow Groundwater Depth: 9.33 feet below ground surface (bgs).
- Maximum Shallow Groundwater Depth: 13.23 feet bgs.

California Environmental Protection Agency



- Flow Direction: Northwest (last groundwater monitoring event reported)
- Soil Types: The soils are alluvial deposits of silty clays and clayey silts with some lenses of fine sands. The shallow layers are underlain by older alluvial fan and terrace deposits which overlie the Cenozoic continental and marine sediments and the Upper Cretaceous formations of the Great Valley Sequence.

Monitoring Well Information

Well Designation	Date Installed	Screen Interval (feet bgs)	Most Recent DTW (Feb 09)
MW-1	Jan 05	8-25	10.45
MW-2	Jan 05	8-25	10.03
MW-3	Jan 05	8-25	11.10
MW-4	Jan 05	8-25	10.93
MW-5	Jan 05	44-50	10.47
MW-6	Oct 07	10-20	Under Poned Water
MW-7	Oct 07	10-20	Covered over
MW-8	Oct 07	10-20	10.40
MW-9	Oct 07	43-48	10.80
MW-10	Jun 08	45-50	10.90
MW-11	Jun 08	45-50	Under Poned Water

DTW Depth to Water in Feet

Maximum Documented Contaminant Concentrations

Contaminant	Soil (mg/kg or parts per million - ppm)		Water (ug/L or parts per billion - ppb)		WQOs (ug/L)
	Maximum 8/1995	Latest June 2008 Trench samples	Maximum Jan 2005	Latest Feb 2009	
TPH-g	150	ND	ND	NA	5
TPH-d	13000	970 at 5' bgs 48 at 8' bgs	3,800	<50	56
Benzene	0.0082	ND	ND	<1	0.15
Toluene	0.35	ND	ND	<1	42
Ethylbenzene	0.051	ND	ND	<1	29
Xylenes	0.021	ND	1.1	<5	17
MTBE	NA	ND	20	<0.5	5
TBA	NA	ND	NA	NA	12
1,2-DCA	NA	ND	2.3	NA	0.4
PCE	NA	13	NA	180	0.06
TCE	NA	NA	NA	0.57	0.8

NA Not Analyzed, Not Applicable, or Data Not Available
 WQO Water Quality Objectives

Site Description

The Site currently consists of a single building located on a relatively flat 1.5 acre lot in the City of West Sacramento. The USTs and associated dispensers have been removed.



Site History

Four USTs were removed from three separate locations in August 1995. There was no contamination associated with the gasoline UST. There was contamination associated with the former diesel USTs.

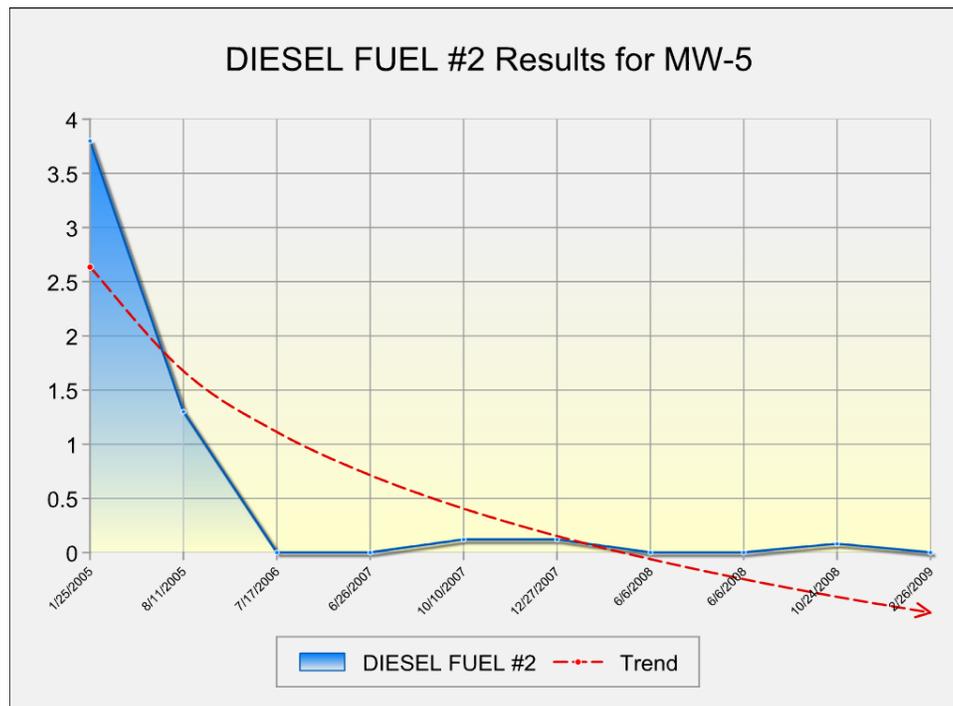
Remediation Summary

- **Free Product:** Free product has not been detected at the Site.
- **Soil Excavation:** The reports do not explain if the contaminated soil was completely removed; however, in 2007, a total of 143.59 tons of stockpiled soil was disposed off site to Forward landfill in Manteca (February 28, 2007 “Quarterly GWM Report – Winter 2007 and WP for Additional Investigation).
- **In-Situ Soil Remediation:** No in-situ soil remediation has been conducted at the Site.
- **Groundwater Remediation:** No groundwater remediation has been performed at the Site.

General Site Conditions

- **Hydrogeology and Geology:** Shallow groundwater depth has varied from 9.33 feet bgs to 13.23 feet bgs. The site lies on a nearly flat area that is part of the Sacramento Valley, an alluvial plain consisting of continental deposits overlying a thick layer of marine sediments. Generally, the alluvium consists of fine sands, silts, and clays with layers of cemented material (hardpan) near the surface.
- **Groundwater Trends:**

Note: Concentrations are in units of ug/l or parts per billion [ppb].



- **Time To Meet Water Quality Objectives:**

The Fund Manager concludes that WQOs have been met for the UST release at this site. There are currently no detectable concentrations of petroleum constituents in the shallow groundwater at this site. Based on recent groundwater sampling, all contaminants of concern related to petroleum hydrocarbons have reached their respective detection limits in the groundwater, with the exception for MTBE detected in MW-5 and MW-10. These two wells are constructed in a deeper water bearing zone and screened from 45 to 50 feet bgs. MTBE has only been historically detected at very low concentrations (1 to 3 ug/L) in the shallow groundwater at this site. Conversely, the MTBE in the deeper water bearing zone has consistently been detected at concentrations ranging from 10 to 30 ug/L. On this basis, the Fund Manager concludes that MTBE identified in the deeper water bearing zone is migrating from an off site source and not related to this UST case. There is also significant chlorinated hydrocarbon contamination in both the shallow and deeper groundwater at this site that is not part of the petroleum hydrocarbon contamination plume (not part of the UST Funding).

Sensitive Receptor Survey

There are no wells within ½ mile of the Site. There are two water supply wells approximately 3,000 feet southwest and southeast of the Site, respectively. Groundwater flow at the Site is to the northwest.

Risk Assessment

Soil vapor sampling conducted within the on-site building by Ramcon Engineering & Environmental Contracting in June 2008 found there was negligible risk to human health from soil vapor.

Closure

Will corrective action performed ensure the protection of human health, safety and the environment? Yes

Is corrective action and UST case closure consistent with State Water Board Resolution 92-49? Yes

Is achieving background water quality feasible? Yes

Has the requisite level of water quality been met? Yes

There are currently no detectable concentrations of petroleum constituents in the shallow groundwater at this site. The MTBE identified in the deeper water bearing zone is believed to be migrating from an off site source and not related to this UST case.

Objections to Closure and Response

The Regional Board objects to case closure at this time with the comment "This facility has a number of complicating factors. First there has been a known release of gasoline from a UST on the facility. Gasoline constituents are found in both first water (9-10 feet below grade) and in deeper samples (MW-10, 45 to 50 feet below grade). The RP has been asked to install at least one additional on-site deep well between MW-10 and the suspected source (preferably at the property line of 2600 Rice Avenue) to confirm the hypotheses that concentrations of MTBE are moving onto the property from an off-site source..."



The Fund manager disagrees that the case cannot be closed at this time. Based on recent groundwater sampling, the Fund manager concludes that WQOs have been met with respect to the UST case. There are currently no detectable concentrations of petroleum constituents in the shallow groundwater at this site. Based on recent groundwater sampling, all contaminants of concern related to petroleum hydrocarbons have reached their respective detection limits in the groundwater, with the exception for MTBE detected in MW-5 and MW-10. These two wells are constructed in a deeper water bearing zone and screened from 45 to 50 feet bgs. MTBE has only been historically detected at very low concentrations (1 to 3 ug/L) in the shallow groundwater at this site. Conversely, the MTBE in the deeper water bearing zone has consistently been detected at concentrations ranging from 10 to 30 ug/L. On this basis, the Fund Manager concludes that the MTBE identified in the deeper water bearing zone is migrating from an off-site source and not related to this UST case.

The Fund has conducted public notification and Yolo County Environmental Health has the regulatory responsibility to supervise the abandonment of any monitoring wells that are not needed for the corrective action associated with the chlorinated solvents.

Summary and Conclusion

The site is located in the central portion of the Sacramento Valley. No drinking water wells have been identified within ½ a mile of the site. There are currently 11 groundwater monitoring wells associated with the site. Based on recent groundwater sampling, the Fund manager concludes that WQOs have been met. There are currently no detectable concentrations of petroleum constituents in the shallow groundwater at this site. Based on recent groundwater sampling, all contaminants of concern related to petroleum hydrocarbons have reached their respective detection limits in the groundwater, with the exception for MTBE detected in MW-5 and MW-10. These two wells are constructed in a deeper water bearing zone and screened from 45 to 50 feet bgs. MTBE has only been historically detected at very low concentrations (1 to 3 ug/L) in the shallow groundwater at this site. Conversely, the MTBE in the deeper water bearing zone has consistently been detected at concentrations ranging from 10 to 30 ug/L. On this basis, in the Fund Manager's conclusion is that the MTBE identified in the deeper water bearing zone is migrating from an off-site source and not related to this UST case.

The soil contamination at this site is very limited, defined and stable, with a trend of gradual reduction over time. The remaining petroleum contamination will not impact either current or anticipated beneficial uses of groundwater and the remaining petroleum hydrocarbons at the site do not threaten human health, safety or the environment.

Based on available information, the corrective action performed to date ensures the protection of human health, safety and the environment and Fund manager recommends that the UST case be closed. The Fund Manager notes that significant chlorinated hydrocarbon contamination occurs in both the shallow and deeper groundwater at this site that is not associated with the UST release and which is outside of the scope of this recommendation.



