

State Water Resources Control Board

UST CASE CLOSURE SUMMARY

Agency Information

Current Agency Name: Los Angeles Regional Water Quality Control Board	Address: 320 West 4 th Street, Suite 200 Los Angeles, CA 90013
Current Agency Caseworker: Mr. Ahmad Lamaa	Case No.: I-01520

Case Information

USTCF Claim No.: None	Global ID: T0603702788
Site Name: Former ExxonMobil Bulk Plant 04419	Site Address: 16030 Old Valley Boulevard La Puente, CA 91746 (Site)
Responsible Party: ExxonMobil Environmental Services Attention: Ms. Sylvana M. Azana	Address: 3700 West 190 th Street, NTO Torrance, CA 90504
USTCF Expenditures to Date: N/A	Number of Years Case Open: 28

URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603702788

Summary

The Low-Threat Underground Storage Tank Case Closure Policy (Policy) contains general and media-specific criteria, and cases that meet those criteria are appropriate for closure pursuant to the Policy. This case meets all of the required criteria of the Policy.

The release at the Site was discovered when low concentrations of petroleum constituents were identified at the Site during the underground storage tanks (USTs) removal between December 1986 and August 1987. Soil was excavated to a total depth of 19 feet below ground surface (bgs) for the UST removal. Volume of soil removed was not reported. December 1991 soil gas survey was completed using 39 sample points. Two sample points detected volatile organics. During the 1993 Site investigation, 192 cubic feet of impacted used-oil soil were removed from an area adjacent to the tank cavity to three feet bgs.

Dual phase extraction was performed on a rotating basis at the Site from October 2002 through December 2005 and removed 1,820 pounds of vapor phase petroleum constituents. In-situ chemical oxidation was performed at the Site in December 2010 to promote further degradation of residual petroleum constituents in groundwater.

The average depth to groundwater is 22 feet bgs. The groundwater plume that exceeds water quality objectives (WQOs) is less than 250 feet in length. The nearest existing water supply well and surface water body are greater than 1,000 feet from the defined plume boundary. Additional corrective

Former ExxonMobil Bulk Plant 04419
16030 Old Valley Boulevard, La Puente, Los Angeles County

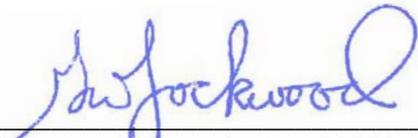
action will not likely change the conceptual site model. Residual petroleum constituents pose a low risk to human health, safety, and the environment.

Rationale for Closure under the Policy

- General Criteria – Site **MEETS ALL EIGHT GENERAL CRITERIA** under the Policy.
- Groundwater Media-Specific Criteria – Site meets the criteria in **CLASS 2**. The contaminant plume that exceeds WQOs is less than 250 feet in length. There is no free product. The nearest existing water supply well or surface water body is greater than 1,000 feet from the defined plume boundary. The dissolved concentration of benzene is less than 3,000 micrograms per liter ($\mu\text{g/L}$), and the dissolved concentration of methyl tert-butyl ether is less than 1,000 $\mu\text{g/L}$.
- Petroleum Vapor Intrusion to Indoor Air Criteria – Site meets **CRITERION 2 (b)**. A Site-specific assessment for the vapor intrusion pathway was conducted. The assessment found that there is a low risk of petroleum vapors adversely affecting human health. The localized petroleum constituents detected at the Site are unlikely to impact Site users through the indoor air vapor intrusion pathway.
- Direct Contact and Outdoor Air Exposure Criteria – Site meets **CRITERION 3 (a)**. Maximum concentrations of residual petroleum constituents in soil are less than or equal to those listed in Table 1 of the Policy. The estimated naphthalene concentrations are less than the thresholds in Table 1 of the Policy for direct contact. There are no soil sample results in the case record for naphthalene. However, the relative concentration of naphthalene in soil can be conservatively estimated using the published relative concentrations of naphthalene and benzene in gasoline. Taken from Potter and Simmons (1998), gasoline mixtures contain approximately 2% benzene and 0.25% naphthalene. Therefore, benzene concentrations can be used as a surrogate for naphthalene concentrations with a safety factor of eight. Benzene concentrations from the Site are below the naphthalene thresholds in Table 1 of the Policy. Therefore, estimated naphthalene concentrations meet the thresholds in Table 1 and the Policy criteria for direct contact with a safety factor of eight. It is highly unlikely that naphthalene concentrations in the soil, if any, exceed the threshold.

Recommendation for Closure

The corrective action performed at this Site ensures the protection of human health, safety, and the environment, and is consistent with chapter 6.7 of the Health and Safety Code and implementing regulations, applicable state policies for water quality control, and the applicable water quality control plan, and case closure is recommended.



George Lockwood, PE No. 59556
Senior Water Resource Control Engineer

3/17/2015

Date

