UST CASE CLOSURE SUMMARY

Agency Information

Current Agency Name: State Water Resources Control Board (State Water Board)	Address: 1001 I Street, P.O. Box 2231 Sacramento, CA 95812
Current Agency Caseworker: Mr. Matthew Cohen	Case No.: N/A

Former Agency Name: Los Angeles City Fire Department (Prior to 7/1/2013)	Address: 200 North Main Street, Suite 1780 Los Angeles, CA 90012
Former Agency Caseworker: Mr. Eloy Luna	Case No.: TTXS0001732

Case Information

USTCF Claim No.: None	Global ID: T0603791230
Site Name: Caltrans Highway Maintenance Station	Site Address: 11930 Blucher Avenue Los Angeles, CA 91344 (Site)
Responsible Party: California Department of Transportation Attention: Mr. Mark Archuleta	Address: 107 South Broadway, Room 3016 Los Angeles, CA 90012
USTCF Expenditures to Date: N/A	Number of Years Case Open: 15

URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603791230

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 was discovered when two underground storage tanks (USTs) and associated product piping were removed from the Site in February 1999. Confirmation sampling results from one sample, collected beneath the former dispensers, indicated the presence of 0.12 milligrams per kilogram (mg/kg) methyl tertiary butyl ether (MTBE). Impacted soil was reported to have been excavated and transported off-Site for disposal. The Site is operated as an active maintenance facility for the State of California Department of Transportation (Caltrans).

Groundwater was not encountered to the maximum depth explored at the Site, which was 10 to 14 feet below ground surface [bgs], based on typical tank dimensions. The depth to groundwater at the Site is estimated to be greater than 200 feet bgs; however, shallower, perched groundwater may exist below the Site. The nearest public supply well and surface water body are greater than 1,000 feet from the

Site. Additional corrective action will not likely change the conceptual site model. Residual petroleum constituents do not pose significant risk to human health, safety, or the environment.

Rationale for Closure under the Policy

- General Criteria – Site **MEETS ALL EIGHT GENERAL CRITERIA** under the Policy.

- Groundwater Media-Specific Criteria – Site releases **HAVE NOT LIKELY AFFECTED GROUNDWATER**. There are not sufficient mobile constituents (leachate, vapors, or light non-aqueous phase liquid) to cause groundwater to exceed the groundwater criteria in this Policy.

- Petroleum Vapor Intrusion to Indoor Air Criteria – Site meets **CRITERION (2) b**. A professional assessment of site-specific risk from potential exposure to petroleum constituents was performed. The assessment found that there is no significant risk of petroleum vapors adversely affecting human health. Petroleum constituent concentrations appear to be minor and very limited.

- Direct Contact and Outdoor Air Exposure Criteria – Site meets **CRITERION (3) a**. Maximum petroleum concentrations in soil are less than those in Policy Table 1 for Commercial/Industrial use, and the concentration limits for a Utility Worker are not exceeded. 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.

4/14/14

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