

State Water Resources Control Board

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 County Department of Public Works (Prior to 7/1/2013)	Address: 900 South Fremont Avenue Alhambra, CA 91803
Former Agency Caseworker: Mr. John Awujo	Case No.: TT018617-026483

Case Information

USTCF Claim No.: None	Global ID: T0603705539
Site Name: LA Co Fire Dept. Camp #15	Site Address: 12500 North Big Tujunga Canyon Road Tujunga, CA 91042 (Site)
Responsible Party: Los Angeles County Fire Department	Address: 1320 North Eastern Ave Los Angeles, CA 90063
USTCF Expenditures to Date: N/A	Number of Years Case Open: 15

URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603705539

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 two underground storage tanks (UST) and associated piping and dispensers were removed from the Site in December 1998. Initial sampling indicated concentrations of petroleum constituents were present in soil. Approximately 74 tons of petroleum impacted soil were over-excavated to 14 feet below ground surface (bgs). The post-remediation soil sample collected at 14 feet bgs contained low concentrations of petroleum constituents. The Site currently serves as a Los Angeles County Probation Office and Fire Department Camp.

Groundwater was not encountered during the investigation. Shallow perched groundwater is unlikely to be impacted by the release. The nearest public supply well is greater than 1,000 feet from the Site. Remedial actions have been implemented and further remediation is not necessary. Additional corrective 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 releases **HAVE NOT AFFECTED GROUNDWATER**. There do not appear to be sufficient mobile constituents (leachate, vapors, or light non-aqueous-phase liquids) to cause groundwater to exceed the groundwater criteria in this Policy.
- Petroleum Vapor Intrusion to Indoor Air Criteria – Site meets **CRITERION 2 (b)**. A Site-specific risk assessment of the vapor intrusion pathway was conducted. The assessment found that there is a low risk of petroleum vapors adversely affecting human health. Concentrations of benzene and ethylbenzene in Site soil are sufficiently low to preclude a risk of indoor vapor intrusion.
- Direct Contact and Outdoor Air Exposure Criteria – Site meets **CRITERION 3 (a)**. Maximum concentrations of petroleum constituents in soil from confirmation soil samples 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 of 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.

5/6/14

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

Date

