

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 95812-2231
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.: TT008963-000351

Case Information

USTCF Claim No.: None	Global ID: T0603793066
Site Name: LA CO Sheriff PJP Honor	Site Address: 29300 The Old Road Castaic, CA 91384 (Site)
Responsible Party: Los Angeles County Sheriff	Address: 4700 West Ramona Boulevard Monterey Park, CA 91754
USTCF Expenditures to Date: N/A	Number of Years Case Open: 20

URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603793066

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 Site is operating as a correctional facility. There were two releases at the Site. The first was discovered when six underground storage tanks (USTs) were removed in 1994 at various locations around the Site. The second was discovered when two USTs were removed in 1998 in the Power Plant area. In December 2001 and January 2002, additional soil borings were advanced to determine the lateral and vertical extent of soil contamination in the power plant area. Soil samples indicated petroleum hydrocarbon constituents were present in soil below Policy criteria.

In September of 2013, groundwater was not encountered during soil sampling and was reportedly at a depth of approximately 45 feet below ground surface (bgs) in September 2013. The nearest public supply well is greater than 1,000 feet from the Site. Remedial actions have been implemented, and further remediation is not

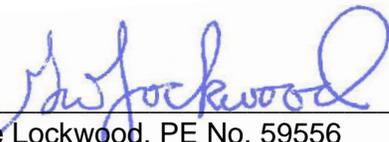
necessary. Additional corrective action will not likely change the conceptual site model. Any residual petroleum constituents pose a low risk to human health, safety, and the environment.

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 LIKELY AFFECTED GROUNDWATER**. There are not sufficient mobile constituents (leachate, vapors, or light non-aqueous-phase liquids) to cause groundwater to exceed the groundwater criteria.
- Petroleum Vapor Intrusion to Indoor Air Criteria – Site meets **CRITERION (2) b**. A site-specific risk assessment for the vapor intrusion pathway was conducted. The assessment found that there is a low risk of petroleum vapors adversely affecting human health.
- Direct Contact and Outdoor Air Exposure Criteria – Site meets **CRITERIA (3) a**. Maximum concentrations of residual petroleum constituents in soil are less than or equal to those listed in Table 1. 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. Although there does not appear to be poly-aromatic hydrocarbon (PAH) data in the Site documents, very low-level detections of petroleum hydrocarbons in shallow soil at the time of the waste oil UST removal indicate that it is unlikely the PAH levels would exceed the direct contact criteria in this Policy.

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

7/22/14

Date

