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.: TT012289-012416

Case Information

USTCF Claim No.: None	Global ID: T10000000397
Site Name: Los Angeles County Fire Station #181	Site Address: 590 South Park Avenue Pomona, CA 91766 (Site)
Responsible Party: City of Pomona Public Works Department Attention: Mr. Elias Elhazin	Address: 505 South Garey Avenue Pomona, CA 91766
USTCF Expenditures to Date: N/A	Number of Years Case Open: 16

URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000000397

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.

Residual petroleum constituents at the Site were discovered when the underground storage tank (UST) system was removed in December 1998 and January 1999. Concentrations of petroleum constituents were identified beneath the UST and dispenser during the UST system removal. Impacted soil was over-excavated to approximately 15 feet below ground surface (bgs). Petroleum constituents were not detected in all soil samples collected at 15 feet bgs after over-excavation. The Site is operated as the parking area for Los Angeles County Fire Station #181.

Groundwater was not encountered to a maximum explored depth of approximately 15 feet bgs during the UST system removal. Depth to water is estimated to be greater than 90 feet bgs. The nearest public water 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 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**. Groundwater was not encountered to a maximum explored depth of approximately 15 feet bgs during the UST system removal. Depth to water is estimated to be greater than 90 feet bgs. There are not 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 for the vapor intrusion pathway was conducted. The assessment found that there is a low risk of petroleum vapors adversely affecting human health. The residual petroleum impacted soil at the Site is localized to the area of the removed dispenser. The area currently serves as a paved parking area, approximately 50 feet away from the nearest building, so the vapor intrusion to indoor air pathway is incomplete.

- 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. 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.

GW Lockwood

12/2/2014

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