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 91803-1331
Former Agency Caseworker: Mr. Manuel Regalado	Case No.: 005766-024698

Case Information

USTCF Claim No.: None	Global ID: T0603770056
Site Name: Tosco/Unocal # 30788	Site Address: 10201 East Beverly Boulevard Whittier, CA 90601 (Site)
Responsible Party: Chevron Environmental Management Company Attention: Ms. Nicole Arceneaux	Address: 6101 Bollinger Canyon Road, Room 5303 San Ramon, CA 94583-5177
USTCF Expenditures to Date: N/A	Number of Years Case Open: 22

URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603770056

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 in May 2000, during a product piping/dispenser upgrade and waste oil underground storage tank (UST) removal. The dispenser area was over-excavated to 10 to 12 feet below ground surface (bgs), and approximately 190 tons of soil were removed from the Site. Confirmation soil samples taken from the bottom of the excavation were below Policy criteria. In September 2002, October 2002, and January 2003, additional site assessment was completed in order to delineate the vertical and lateral impacts at the Site. Seven soil borings were drilled and sampled to a total depth of 80 feet bgs. Two additional USTs, product piping, and dispensers were removed from the fueling facility when it was demolished in August 2004. Petroleum constituents in soil samples associated with the UST removal were below Policy criteria. Additional assessment was completed in February 2009 to delineate the vertical and lateral impacts at the Site in association with the contamination found in 2000. Three soil borings were advanced to a total depth of 70 feet bgs. Petroleum constituents were not detected above laboratory reporting limits in any of the soil samples analyzed.

The Site is currently a vacant lot. Groundwater was not encountered in any of the borings to the total depth investigated (81.5 feet bgs). Groundwater was encountered at a neighboring property at approximately 100 feet bgs. The nearest public supply well and surface water body are 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.

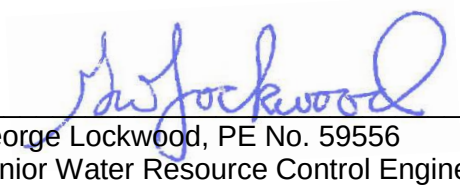
- Groundwater Media-Specific Criteria – Site releases **HAVE NOT LIKELY AFFECTED GROUNDWATER**. There do not appear to be sufficient mobile constituents (leachate, vapors, or light non-aqueous-phase liquids) to cause groundwater to exceed the groundwater criteria in this Policy.

- 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 low risk of petroleum vapors adversely affecting human health. There are low concentrations of petroleum constituents in soil. The minimum distance between the concentrations and future buildings is greater than 10 feet, and the intervening soil contains less than 100 milligrams per kilogram of total petroleum hydrocarbons.

- 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.



6/19/14

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