UST CASE CLOSURE SUMMARY

Agency Information

Current Agency Name: Los Angeles Regional Water Quality Control Board (Region 4)	Address: 320 West 4th Street, Suite 200 Los Angeles, CA 90013
Current Agency Caseworker: Mr. Arman Toumari	Case No.: I-09483

Case Information

USTCF Claim No.: None	Global ID: T0603703426
Site Name: Shell #204-4608-0408	Site Address: 11151 Long Beach Boulevard Lynwood, CA 90262 (Site)
Responsible Party: Equiva Services, LLC Attention: Mr. Joe Lentini	Address: 20945 South Wilmington Avenue Carson, CA 90810
USTCF Expenditures to Date: $0	Number of Years Case Open: 27

URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603703426

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 operated as an active fueling facility. Approximately 20,000 gallons of super unleaded gasoline was released in 1987. During Site assessment activities at the Site in July 1987, free product was encountered in groundwater monitoring wells. Free product removal was conducted at the Site using an automated free product recovery system, a groundwater treatment system, and hand bailing. Approximately 17,463 gallons of free product were recovered from the Site between 1987 and 2002. Measureable free product has not been observed at the Site since 2002. In January 1998, the dispenser islands and product piping at the Site were upgraded. Four underground storage tanks (USTs) were removed and replaced in June 2004. Additional corrective actions included: soil vapor extraction, dual phase extraction, and air sparging.

The most recent soil sample data indicate that petroleum constituents are present in soil from 25 to 30 feet below ground surface (bgs). Groundwater is encountered beneath the Site at an average depth of 29 feet bgs. The groundwater plume at the Site is comingled with the groundwater plume from the adjacent downgradient Tosco – 76 Station #4448. The total length of the comingled plume exceeding water quality objectives is approximately 300 feet in length. 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 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 meets the criterion in **CLASS 4**. The contaminant plume that exceeds water quality objectives is less than 1,000 feet in length. There is no free product. The nearest water supply well or surface water body is greater than 1,000 feet from the defined plume boundary. The dissolved concentrations of benzene and MTBE are each less than 1,000 µg/L.

- Petroleum Vapor Intrusion to Indoor Air Criteria – Site meets **EXCEPTION**. Exposure to petroleum vapors associated with historical fuel system releases is comparatively insignificant relative to exposures from small surface spills and fugitive vapor releases that typically occur at active fueling facilities.

- 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.

11/14/2014

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