UNDERGROUND STORAGE TANK (UST) CASE CLOSURE SUMMARY

Agency Information

Agency Name: Los Angeles Regional Water Quality Control Board (Los Angeles Water Board)	Address: 320 West 4th Street, Suite 200 Los Angeles, CA 90013
Agency Caseworker: Noman Chowdhury	Case No.: I-09604A

Case Information

UST Cleanup Fund (Fund) Claim No.: N/A	Global ID: T0603741443
Site Name: Chevron #9-7645 (Former)	Site Address: 17255 Bloomfield Avenue Cerritos, CA 90703 (Site)
Responsible Party: Chevron Environmental Management Company Attention: James Kiernan	Address: 6101 Bollinger Canyon Road, C2102 San Ramon, CA 94583
Fund Expenditures to Date: N/A	Number of Years Case Open: 12

URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603741443

Summary

This case has been proposed for closure by the State Water Resources Control Board at the request of the Los Angeles Regional Water Quality Control Board, which concurs with closure.

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 currently operates as a retail fueling facility in the city of Cerritos. The release was reported after petroleum constituents were detected in groundwater samples taken as part of a baseline site assessment in July 2006. In 2010 three gasoline and one waste-oil USTs were removed; the USTs were replaced in 2012. Soil borings advanced in 2010 and 2011 encountered elevated levels of petroleum constituents including benzene and ethylbenzene from 10 to 15 feet bgs. As of July 2018, methyl tert-butyl ether (MTBE), benzene, and toluene remain above regional Water Quality Objectives (WQOs) in source area monitoring wells.

The groundwater plume exceeding WQOs is less than 250 feet in length. Benzene concentrations in groundwater have historically been below 1,000 µg/L. The maximum MTBE concentration in groundwater has fluctuated slightly above and below 1,000 µg/L since November 2013. An active supply well is located approximately 800 feet east of the Site, in a

generally cross-gradient direction. The sampling history in the case record demonstrates that the groundwater plume is stable and does not pose a threat to the municipal supply well. A Site-specific risk evaluation prepared by Stantec[1], demonstrates there is no significant risk of adversely affecting human health from the direct contact and outdoor air exposure pathways. Remaining petroleum constituents are limited, stable, and decreasing. Additional assessment would be unnecessary and will not likely change the conceptual model. Any remaining petroleum constituents do not pose significant risk to human health, safety, or the environment under current conditions.

Rationale for Closure Under the Policy

- General Criteria – Site **MEETS ALL EIGHT GENERAL CRITERIA** under the Policy.
- Groundwater Media-Specific Criteria – Site meets the criteria in **Class 5**. The regulatory agency determines, based on an analysis of Site-specific conditions that under current and reasonably anticipated near-term future scenarios, the contaminant plume poses a low threat to human health, safety, and to the environment and water quality objectives will be achieved within a reasonable time frame.
- Petroleum Vapor Intrusion to Indoor Air – Site meets **Criteria 2 (a), Scenario 3**. As applicable, the extent of the bioattenuation zone, oxygen concentrations in soil gas, concentrations of total petroleum hydrocarbons as gasoline and diesel combined in soil, and dissolved concentrations of benzene in groundwater meet the Policy.
- Direct Contact and Outdoor Air Exposure – Site meets **Criteria 3 (b)**. Maximum concentrations of petroleum constituents in soil are less than levels that a site specific risk assessment demonstrates will have no significant risk of adversely affecting human health.

Recommendation for Closure

The corrective action performed at this Site ensures the protection of human health, safety, the environment. The corrective action performed at this Site is consistent with chapter 6.7 of division 20 of the Health and Safety Code, implementing regulations, applicable state policies for water quality control and applicable water quality control plans. Case closure is recommended.

Matthew Cohen, PG No. 9077
Senior Engineering Geologist

1/14/2019
Date

[1] Stantec. *Second Half 2015 Site Conceptual model and Request for closure.* January 15, 2016