State Water Resources Control Board

UNDERGROUND STORAGE TANK (UST) CASE CLOSURE SUMMARY

Agency Information

Agency Name: Santa Ana Regional Water Quality Control Board	Address: 3737 Main Street, Suite 500 Riverside, CA 92501
Agency Caseworker: Ken Williams	Case No.: 083600535T

Case Information

UST Cleanup Fund (Fund) Claim No.: 16399	Global ID: T0607100051
Site Name: P and M Station #937	Site Address: 501 Inland Center Drive San Bernardino, CA 92408 (Site)
Responsible Party: G&M Oil Company, Inc. Attention: Ms. Liz Goff	Address: 16868 A Lane, Huntington Beach, CA 92647
Fund Expenditures to Date: $318,934	Number of Years Case Open: 34

GeoTracker Case Record: http://geotracker.waterboards.ca.gov/?gid=T0607100051

Summary

This case has been proposed for closure by the State Water Resources Control Board at the request of the Santa Ana 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 because they pose a low threat to human health, safety, and the environment. The Site meets all of the required criteria of the Policy and therefore, is subject to closure.

The Site currently operates as a retail fueling station. The petroleum release was discovered in 1987 when soil contamination was identified during an environmental investigation. From 1992 to 1993, approximately 65 gallons of free product were

removed during weekly manual recovery activities. In October 1998, approximately 366 tons of petroleum impacted soil was removed during UST removal activities. In November 2001, approximately 2,085 gallons of petroleum-impacted groundwater was recovered during an 8-hour dual-phase extraction test. From May 2006 to August 2006, approximately 28,113 pounds of petroleum hydrocarbons were recovered during an extended soil vapor extraction (SVE) pilot test. From February 2007 to June 2007, approximately 17,765 pounds of petroleum hydrocarbons were recovered during a second extended SVE pilot test. From June 2011 to July 2011, approximately 1,152 pounds of petroleum hydrocarbons were recovered during interim SVE treatment operation. Residual elevated concentrations of petroleum hydrocarbons in soils greater than 20 feet below ground surface (bgs) appear to be localized to the former source area.

Site monitoring wells have been intermittently monitored since 1992, with depth to groundwater steadily increasing overtime from approximately 21 fbgs in 1992 to greater than 100 feet bgs in 2020. Any impacted groundwater is located at a depth greater than 30 feet bgs and therefore will not contribute to a vapor intrusion. As a result of the remedial activities at the site, residual soil impacts beneath the site do not appear to create an unacceptable vapor intrusion risk. Additionally, the Site operates as an active fueling facility, and exposure to petroleum vapors associated with historical fuel system releases are comparatively insignificant relative to exposures from small surface spills and fugitive vapor releases that typically occur at active fueling facilities.

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 1.** The contaminant plume that exceeds water quality objectives is less than 100 feet in length. There is no free product. The nearest existing water supply well or surface water body is greater than 250 feet from the defined plume boundary.
- Petroleum Vapor Intrusion to Indoor Air – Site meets **Criteria 2 (b)**. A Site–specific risk assessment for the vapor intrusion pathway was conducted under the policy and demonstrates that human health is protected to the satisfaction of the regulatory agency.
- Direct Contact and Outdoor Air Exposure – Site meets **Criteria 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.

P and M Station #937
501 Inland Center Drive, San Bernardino

Recommendation for Closure

The corrective action performed at this Site ensures the protection of human health, safety, and 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.

Reviewed By: _____ April 5, 2021
Matthew Cohen, PG No. 9077 Date
Senior Engineering Geologist