UNDERGROUND STORAGE TANK (UST) CASE CLOSURE SUMMARY

Agency Information

Agency Name: Santa Ana Regional Water Quality Control Board (Santa Ana Water Board)	Address: 3737 Main Street, Suite 500 Riverside, CA 92501
Agency Caseworker: Samantha Mak	Case No.: 083000051T

Case Information

UST Cleanup Fund (Fund) Claim No.: 8958	Global ID: T0605900041
Site Name: ARCO #6071	Site Address: 3414 South Main Street Santa Ana, CA 92707 (Site)
Responsible Parties: Marathon Petroleum Company LP Attn: Eric Swaisgood Andeavor Attn: Darrell Fah	 539 South Main Street Findlay, OH 45840 301 East Ocean Boulevard, Suite 1600 Long Beach, CA 90802
Fund Expenditures to Date: $1,490,000	Number of Years Case Open: 36

GeoTracker Case Record: http://geotracker.waterboards.ca.gov/?gid=T0605900041

Summary

This case has been proposed for closure by the State Water Resources Control Board at the request of the Santa Ana Water 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 is an active retail petroleum fueling facility. A waste-oil UST was removed prior to 1986. An unauthorized release was reported in June 1986 following the removal of four first-generation gasoline USTs. During UST removal, approximately 600 cubic

yards of petroleum-impacted soil were removed and disposed offsite. The USTs were replaced with three second-generation gasoline USTs. An additional 105 tons of petroleum-impacted soil were excavated and disposed offsite following removal of a methanol UST in March 1999. The three second-generation USTs were removed in March 2009 and 8,000 tons of impacted soil were removed between 15 to 20 feet below ground surface from over half of the Site and disposed offsite. Dewatering during the excavation removed approximately 150,000 gallons of impacted groundwater.

Soil vapor extraction conducted intermittently between 1988 and December 2007 removed 2,497 pounds of vapor-phase petroleum hydrocarbons and approximately 1.6 million gallons of impacted groundwater.

Since 1982, 59 groundwater monitoring wells have been installed, 28 destroyed, and the remaining wells are regularly monitored. Approximately 337.5 gallons of free product were recovered between 1982 and 1990 from nine onsite wells across the southeast half of the Site. Free product was last measured at a thickness of 0.02 foot in MW-9 in May 2000.

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 2a**. The contaminant plume that exceeds water quality objectives is less than 250 feet in length. There is no free product. The nearest existing water supply well or surface water body is greater than 1,000 feet from the defined plume boundary. The dissolved concentration of benzene is less than 3,000 micrograms per liter (µg/L), and the dissolved concentration of methyl tert-butyl ether (MTBE) is less than 1,000 µg/L.
- Petroleum Vapor Intrusion to Indoor Air – Site meets the **Exception** for vapor intrusion to indoor air. 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.
- 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.

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:

4/4/2023

Matthew Cohen, P.G. No. 9077
Senior Engineering Geologist

Date