

State Water Resources Control Board

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: Ms. Rose Scott	Case No.: 083602513T

Case Information

UST Cleanup Fund (Fund) Claim No.: N/A	Global ID: T0607100339
Site Name: Mobil Station #18-HPH	Site Address: 520 Orange Show Road San Bernardino, CA 92408 (Site)
Responsible Party: ExxonMobil Environmental Services Company Attention: Mr. Dok Choe	Address: 17853 Santiago Boulevard, Suite 107-306 Villa Park, CA 92861
Fund Expenditures to Date: \$0	Number of Years Case Open: 23

URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607100339

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 currently an active commercial service station in a commercial area. During a February 1994 field investigation in preparation for a property divestment, petroleum constituents were indicated in soil and groundwater beneath the dispenser island area. From April 2000 to March 2002, soil vapor extraction (SVE) operations were conducted using air-sparge/vapor extraction wells IAS-1 and IAS-2 and monitoring wells MW-4 and MW-5. From 2008 to 2010, SVE operations were conducted intermittently. By December 2012, with SVE operations, a total of 25,893 pounds of vapor phase total petroleum hydrocarbons as gasoline (TPH-g), 27.584 pounds benzene and 10.971 pounds methyl tertiary butyl ether has been removed from the Site subsurface. Approximately 101 cubic yards of soil have been removed from the Site. Confirmation soil samples collected at 5 foot intervals from 5 to 20, and from 75 to 80 feet below ground surface (bgs) on February 23 and 24 and March 9 and 10, 2015 indicated petroleum hydrocarbon constituents were reported in soil samples collected at 5, 10, and 75 feet bgs. The maximum concentrations of TPH-g and total petroleum hydrocarbons as diesel were 2.2 milligram per kilogram (mg/kg) and 1,300 mg/kg respectively, from boring B8 at 10 feet bgs.

Mobil Station #18-HPH
520 Orange Show Road, San Bernardino

Groundwater elevation at the Site was reported to be 114.00 feet bgs in 2016, and petroleum constituent concentrations are either non-detect or reported in trace amounts in soil confirmation samples below 10 feet bgs. The petroleum groundwater plume beneath the Site is stable and meets the Policy Class 1 groundwater criteria. Continued stability of the contaminant plume with varying groundwater elevation is supported by the conceptual model. 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.

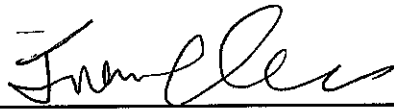
Rationale for Closure under the Policy

- 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 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 n soil samples are less than or equal to those listed in Table 1 of the Policy.

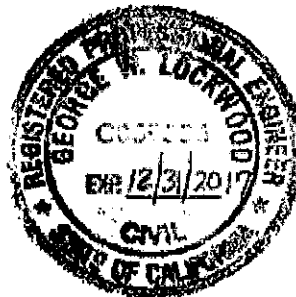
Recommendation for Closure

The corrective action performed at this Site ensures the protection of human health, safety, the environment. The corrective action performed at this Site is consistent with chapter 6.7 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.

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Senior Water Resource control Engineering



08/18/2017

9/6/2017
Date