

State Water Resources Control Board

UNDERGROUND STORAGE TANK (UST) CASE CLOSURE SUMMARY

Agency Information

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| Agency Name: Los Angeles Regional Water Quality Control Board | Address: 320 West 4 th Street, Suite 200 Los Angeles, CA 90013 |
| Agency Caseworker: Norman Chowdhury | Case No.: 908050770 |

Case Information

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| UST Cleanup Fund (Fund) Claim No.: 20049 | Global ID: T0603721616 |
| Site Name: Shell Station | Site Address: 6605 Long Beach Boulevard Long Beach, CA 90805 (Site) |
| Responsible Parties: Equilon Enterprises LLC dba Shell Oil Products US Attention: Toni DeMayo The Chaudhary Living Trust Attention: Tasneem Chaudhary | Address: 20945 South Wilmington Avenue Carson, CA 90810 6605 Long Beach Boulevard Long Beach, CA 90805 |
| Fund Expenditures to Date: \$0 | Number of Years Case Open: 20 |

[GeoTracker Case Record](http://geotracker.waterboards.ca.gov/?gid=T0603721616) <http://geotracker.waterboards.ca.gov/?gid=T0603721616>

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 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.

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6605 Long Beach Blvd, Long Beach

The site currently operates as a commercial fueling facility with two gasoline underground storage tanks (USTs) (15,000-gallon and 10,000-gallon), and one 10,000-gallon diesel UST. The unauthorized release was reported in May 2002 following a site assessment. On March 29, 2005, three 10,000-gallon gasoline USTs were removed from the site. Petroleum hydrocarbons were reported in soil samples collected beneath the USTs and approximately 46 tons of impacted soil were over-excavated to a depth of approximately 9.5 feet below ground surface (bgs). Fourteen onsite and offsite groundwater monitoring wells have been installed since 2002 and regularly monitored. Free product has not been observed at the site.

As of December 1, 2021, concentrations of methyl tert-butyl ether (MTBE) and benzene in groundwater samples are less than 1,000 micrograms per liter. A remaining tert-butyl alcohol (TBA) plume is estimated to be less than 650 feet in length and concentrations in the have decreased over the last 3 years. Monthly vacuum extraction events conducted between April 2003 and February 2005 removed approximately 11,000 gallons of groundwater. Soil vapor extraction conducted between September 2006 and July 2010 removed approximately 22,660 pounds of hydrocarbons.

Site excavation and groundwater extraction has removed the majority of residual petroleum contamination. Offsite groundwater and soil investigation activities have indicated residual petroleum concentrations pose low risk to human health and the environment. 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 4**. The contaminant plume that exceeds water quality objectives is less than 1,000 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 1,000 micrograms per liter ($\mu\text{g/L}$) and the dissolved concentration of MTBE is less than 1,000 $\mu\text{g/L}$.
- Petroleum Vapor Intrusion to Indoor Air – Site meets **Criteria 2 (a), Scenario 1**. The bioattenuation zone provides a separation of at least 30 feet vertically between remaining constituents in groundwater and foundation of existing or potential buildings. And total petroleum hydrocarbons are less than 100 mg/kg throughout the entire depth of the bioattenuation zone.
- Direct Contact and Outdoor Air Exposure – Site meets **Criteria 3 (a)**. Maximum concentrations of petroleum constituents in soil from confirmation post remediation soil samples are less than or equal to those listed in Table 1 of the Policy.

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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:



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

4/29/2022

Date

