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: Ahmad Lamaa	Case No.: R-26287

Case Information

UST Cleanup Fund (Fund) Claim No.: N/A	Global ID: T0603790316
Site Name: Marquez Shell #13	Site Address: 14910 Beach Boulevard La Mirada, CA 90638 (Site)
Responsible Party: Equilon Enterprises LLC dba Shell Oil Products US Attention: Andrea Wing	Address: 20945 South Wilmington Avenue Carson, CA 90810
Fund Expenditures to Date: N/A	Number of Years Case Open: 14

URL: https://geotracker.waterboards.ca.gov/profile_report?global_id=T0603790316

Summary

This case has been proposed for closure by the State Water Resources Control Board (State Water Board) at the request of the Los Angeles 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. This case meets all of the required criteria of the Policy.

The Site is currently an active fueling facility. The release was discovered when the four USTs (three gasoline, one diesel) were removed from the Site in April 2004, along with associated dispensers and product piping. Impacted soil in the vicinity of the former dispensers was over-excavated to a depth of approximately 6 feet below ground surface (bgs) and an unspecified volume of impacted soil was transported offsite for disposal. Benzene and methyl tert-butyl ether (MTBE) are present in groundwater above water quality objectives (WQOs).

The plume length exceeding WQOs is less than 1,000 feet in length and there are no supply wells or surface water bodies identified within 1,000 feet of the projected plume boundary. 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 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 is greater than 1,000 feet from the defined plume boundary. The dissolved concentration of benzene is less than 1,000 micrograms per liter (µg/L), and the dissolved concentration of MTBE is less than 1,000 µg/L. Though Coyote Creek is less than 1,000 feet from the plume boundary, the creek is concrete-lined and does not appear to be hydraulically connected to shallow groundwater at the Site.
- 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 (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.

  Though there are no soil sample results in the case record for naphthalene, the relative concentration of naphthalene in soil can be conservatively estimated using the published relative concentrations of naphthalene and benzene in gasoline. Taken from Potter and Simmons (1998), gasoline mixtures contain approximately 2% benzene and 0.25% naphthalene. Therefore, benzene concentrations can be used as a surrogate for naphthalene concentrations with a safety factor of eight. Benzene concentrations from the Site are below the naphthalene thresholds in Table 1 of the Policy. Therefore, estimated naphthalene concentrations meet the thresholds in Table 1 and the Policy criteria for direct contact with a safety factor of eight. It is highly unlikely that naphthalene concentrations in the soil, if any, exceed the threshold.

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.

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4/3/18
Date