

## State Water Resources Control Board

### UNDERGROUND STORAGE TANK (UST) CASE CLOSURE SUMMARY

#### Agency Information

Agency Name: Alameda County Environmental Health (Alameda County)	Address: 1131 Harbor Bay Parkway, 2nd Floor Alameda, CA 94502-6577
Agency Caseworker: Ms. Karel Detterman	Case No.: RO0000307

#### Case Information

UST Cleanup Fund (Fund) Claim No.: N/A	Global ID: T06019734265
Site Name: ARCO #0402 / PARKING LOT	Site Address: 1450 Fruitvale Avenue Oakland, CA 94601 (Site)
Responsible Party: BP Remediation Management Attention: Mr. Charles Carmel	Address: 4 Centerpointe Drive, Suite 200 Room LPR 4-222 La Palma, CA 90623
Fund Expenditures to Date: \$0	Number of Years Case Open: 19

**URL:** [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T06019734265](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T06019734265)

#### 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 occupied by a multi-story commercial retail/office building. The Site was operated as a gas station from 1950 until at least 1983. There is no record of UST removal. During 1998, the release was discovered during a Phase II environmental assessment. In conjunction with a geophysical survey, three excavations were created in 1999 in the suspected locations of the former USTs. Aggregate base rock, commonly used as backfill material to replace the volume of removed USTs, was identified in one of these excavations. Contaminant concentrations in soil were below screening levels [e.g. <100 milligrams per kilogram (mg/kg) total petroleum hydrocarbons as gasoline (TPH-g)], so the excavations were backfilled with the stockpiled soil.

Benzene in groundwater is present at less than 1,000 micrograms per liter. Groundwater is present greater than 10 feet below ground surface (bgs) at the Site. Soil data indicates less than 100 mg/kg TPH-g in the first 10 feet bgs, indicating sufficient clean soil to support bioattenuation between the groundwater table and the foundation of the on-site building. Therefore, site conditions meet the Policy criteria for vapor intrusion.

An irrigation supply well is located approximately 700 feet east from the plume boundary and a surface water body (Sausal Creek) is located approximately 800 feet northwest from the plume boundary. The plume has been stable or decreasing in areal extent since at least 1999, and the secondary source appears to be depleted. In the source area, groundwater concentrations are approaching water quality objectives, and there is no evidence of plume detachment. Therefore, contaminants remaining in groundwater appear low-risk to the irrigation well and surface water body. 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 5**. The regulatory agency determines, based on an analysis of Site-specific conditions that under current and reasonably anticipated near-term future scenarios, the contaminant plume poses a low threat to human health, safety, and to the environment and water quality objectives will be achieved within a reasonable time frame.
- Petroleum Vapor Intrusion to Indoor Air – Site meets **Criteria 2 (a), Scenario 4**. The concentrations of benzene, ethylbenzene, and naphthalene in soil gas are less than the Policy limits as it applies to the bioattenuation zone, land use, and existing or planned future building structures at the Site.
- 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, 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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01/25/18  
Date

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03/05/18  
Date

