

## State Water Resources Control Board

### 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 4 <sup>th</sup> Street, Suite 200 Los Angeles, CA 90013
Agency Caseworker: Ahmad J. Lamaa	Case No.: R-03689

#### Case Information

UST Cleanup Fund (Fund) Claim No.: 13108	Global ID: T0603704624
Site Name: Naz ARCO Station	Site Address: 15604 Pioneer Boulevard South Norwalk, CA 90650 (Site)
Responsible Party: The Chaudhry Family Trust Attention: Shahid Chaudhry	Address: 2330 Mesa Verde Fullerton, CA 92833
Fund Expenditures to Date: \$728,649	Number of Years Case Open: 20

**URL:** [https://geotracker.waterboards.ca.gov/profile\\_report?global\\_id=T0603704624](https://geotracker.waterboards.ca.gov/profile_report?global_id=T0603704624)

#### 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. This case meets all of the required criteria of the Policy.

The Site is currently an active fueling facility. The release was reported in 1998 following the removal of five gasoline USTs in April 1998. Periodic mobile vacuum removal events and manual free product bailing were conducted between November 2012 and June 2016, removing an estimated total of more than 5,700 gallons of free product and impacted groundwater. A six-day Dual Phase Extraction (DPE) event was conducted in June 2015, reportedly removing 29,800 gallons of impacted groundwater and 1,723 pounds of vapor phase petroleum hydrocarbons. Absorbent socks were installed in monitoring wells MW-1 and MW-2 in February 2017 and were monitored biweekly and replaced as needed until August 2017 when they were removed. Free product returned to MW-2 in November 2017 and the absorbent sock was replaced. Benzene and methyl tert-butyl ether remain in groundwater above water quality objectives (WQOs).

Naz ARCO Station  
15604 Pioneer Boulevard, Norwalk

The groundwater plume exceeding WQOs is less than 550 feet in length and has been stable or decreasing in areal extent for three years. 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 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.

There are no soil sample results in the case record for naphthalene. However, 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.

  
Matthew Cohen, PG No. 9077  
Senior Engineering Geologist



4/2/18  
Date