

State Water Resources Control Board

UNDERGROUND STORAGE TANK (UST) CASE CLOSURE SUMMARY

Agency Information

Agency Name: Central Valley Regional Water Quality Control Board (Central Valley Water Board)	Address: 1685 E Street Fresno, CA 93706
Agency Caseworker: Khalid Durrani	Case No.: 5T10000706

Case Information

UST Cleanup Fund (Fund) Claim No.: N/A	Global ID: T0601900685
Site Name: Ralphs Triangle Service	Site Address: 36374 South Lassen Avenue Huron, CA 93234 (Site)
Responsible Party Ralph H. and Blanca E. Trejo	Address: 18751 9th Street Huron, CA 93234 P.O. Box 520 Huron, CA 93234-0520
Fund Expenditures to Date: N/A	Number of Years Case Open: 26

GeoTracker Case Record: <http://geotracker.waterboards.ca.gov/?gid=T0601900685>

Summary

This case has been proposed for closure by the State Water Resources Control Board at the request of the Central Valley 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.

The Site is currently an active automotive repair facility with no fueling services. On April 21, 1999, two 10,000-gallon gasoline and one 6,000-gallon diesel USTs, and associated product piping and dispensers, were removed. Analytical results of soil samples collected from beneath the USTs and dispensers indicated elevated petroleum hydrocarbons.

Following the removal of the first generation of USTs, one 12,000-gallon gasoline and one split 12,000-gallon (6,000-gallon gasoline and 6,000-gallon diesel) USTs were installed in the same tank pit. These USTs were emptied and properly abandoned on March 31, 2016. They were later removed on December 19, 2020. Analytical results of soil samples collected beneath the USTs contained no petroleum constituents, but soil samples collected below the dispensers indicated petroleum constituents.

Available groundwater data in the area indicates that groundwater at the Site is over 150 feet below ground surface, so it is unlikely groundwater was affected by the release. Vapor intrusion to indoor air will not be an issue for this release as the remaining petroleum constituents, found below the dispensers, are located over 30 feet from a nearby building. The residual petroleum constituents in soil are below residential standards in Table 1 of the Policy.

The remaining petroleum constituents are limited, stable, and continue to decrease. Additional assessment would be unnecessary, and it is likely that the remaining secondary source contaminants will be resolved within the next 10 years. 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 releases **Have Not Likely Affected Groundwater**. Soil does not contain sufficient mobile constituents (leachate, vapors, or light non-aqueous-phase liquids) to cause groundwater to exceed the groundwater criteria in this Policy.
- Petroleum Vapor Intrusion to Indoor Air – Site meets **Criteria 2 (a), Scenario 2**. There is a bioattenuation zone that provides a separation of at least 30 feet both laterally and vertically between the Light Non-Aqueous Phase Liquid in soil and the foundation of existing or potential buildings. Concentrations of total petroleum hydrocarbons as gasoline and diesel combined in soil are less than 100 milligrams per kilogram 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 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

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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, 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.

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