

State Water Resources Control Board

UNDERGROUND STORAGE TANK (UST) CASE CLOSURE SUMMARY

Agency Information

Agency Name: Sacramento County Environmental Management Department (SCEMD)	Address: 11080 White Rock Road, Suite 200 Rancho Cordova, CA 95670
Agency Caseworker: David Von Aspern	Case No.: F559/RO 1418

Case Information

UST Cleanup Fund (Fund) Claim No.: N/A	Global ID: T0606791613
Site Name: State Energy Commission Building	Site Address: 1516 9 th Street Sacramento, CA 95814 (Site)
Responsible Parties: State of California Department of General Services Attention: Jim Martone	Address: 707 3 rd Street West Sacramento, California 95605
Fund Expenditures to Date: N/A	Number of Years Case Open: 23

GeoTracker Case Record: <http://geotracker.waterboards.ca.gov/?gid=T0606791613>

Summary

This case has been proposed for closure by the State Water Resources Control Board at the request of the SCEMD, 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 release was discovered in December 1999 during removal of a 1,000-gallon diesel UST that was used for emergency power for the California Energy Commission Building. Soil was over-excavated and removed offsite during UST and piping removal; the amount of soil removed was not reported in historical records.

E. JOAQUIN ESQUIVEL, CHAIR | EILEEN SOBECK, EXECUTIVE DIRECTOR

Total petroleum hydrocarbons as diesel (TPHd) were detected in soil in the vicinity of both the former UST and associated piping with the highest concentrations detected near the former piping on the northern portion of the property at 10,000 milligrams per kilogram (mg/kg). No TPHd was detected in groundwater in the vicinity of the former UST; however, groundwater samples could not be collected in the vicinity of the former piping due to difficult drilling conditions. Soil data collected from beneath the former piping indicates that petroleum hydrocarbons are limited in areal extent and appear to degrade with depth. Additionally, no benzene or TPHd were detected in groundwater samples from nearby monitoring wells associated with the State of CA – Bonderson Bldg (Global ID T0606700628) and the Railyards (Former SPTCO Sacramento Railyard) (Global ID SL205072992) sites, so it is unlikely that residual petroleum hydrocarbons associated with the Site have migrated offsite.

No benzene was detected in soil or groundwater at the Site. Based on the limited volatility of TPHd and the absence of benzene in soil and groundwater, soil vapor is unlikely to pose a risk to the current occupants of the building.

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 (b). A Site-specific risk assessment for the vapor intrusion pathway was conducted under the policy and demonstrates that human health is protected to the satisfaction of the regulatory agency.
- 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, 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.

Prepared by:



3/8/2023

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Date

Reviewed By:



3/8/2023

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Date

