



State Water Resources Control Board

UNDERGROUND STORAGE TANK (UST) CASE CLOSURE SUMMARY

Agency Information

Agency Name: Lahontan Regional Water Quality Control Board	Address: 15095 Amargosa Road – Bldg 2, Ste 210 Victorville, CA 92394
Agency Caseworker: Christopher Avalos	Case No.: 166-57 -- 48

Case Information

UST Cleanup Fund (Fund) Claim No.: NA	Global ID: DOD100022600
Site Name: Marine Corps Logistics Base Barstow OU-7 - CAOC 10.49 - UST T-27A,B,C	Site Address: MCLB Building #146 Boll Avenue Barstow, CA 92311-5013 (Site)
Responsible Party: United States Department of the Navy Attention: Lara Urizar	Address: NAVFAC Southwest 750 Pacific Highway, EV14/11th Floor San Diego, CA 92132
Fund Expenditures to Date: NA	Number of Years Case Open: 30

GeoTracker Case Record: <http://geotracker.waterboards.ca.gov/?gid=DOD100022600>

Summary

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

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

The Site is currently a paved parking lot for a nearby building. Three UST vent pipes were noted at the Site in 1992. Although a geophysical survey conducted in 1995 identified UST-like anomalies underlying the vent pipe locations, subsequent air-knifing investigation did not indicate the presence of the USTs. Therefore, it was concluded the USTs were removed prior to 1992. Soil vapor extraction was conducted primarily to remove nonpetroleum contamination related to Operable Unit 2 (North Nebo Plume Area) from 2008 to 2012.

Site investigation activities have historically indicated petroleum concentrations in soil do not exceed any risk-screening levels, including those cited in the Policy. Groundwater sampling conducted in 2014 indicated no detectable petroleum constituents in groundwater beneath the Site. Soil vapor monitoring wells indicated extremely low concentrations of petroleum constituents throughout their monitoring history. A 2002 Human Health Risk Assessment indicated petroleum constituents in Site soil did not significantly contribute to human health risks.

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 1**. The contaminant plume that exceeds water quality objectives is less than 100 feet in length. There is no free product. The nearest existing water supply well or surface water body is greater than 250 feet from the defined plume boundary.
- 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 (b)**. Maximum concentrations of petroleum constituents in soil are less than levels that a site-specific risk assessment demonstrates will have no significant risk of adversely affecting human health.

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.

Reviewed By:



11/17/2022

Matthew Cohen, P.G. No. 9077
Senior Engineering Geologist

Date

