UNDERGROUND STORAGE TANK (UST) CASE CLOSURE SUMMARY

Agency Information

Agency Name: Lahontan Regional Water Quality Control Board	Address: 15095 Amargosa Road – Building 2, Suite 210 Victorville, CA 92394-1879
Agency Caseworker: Christopher Avalos	Case No.: 6B3600639T

Case Information

Global ID: T0607100845	Number of Years Case Open: 28
Site Name: BLDG 680	Site Address: National Training Center and Fort Irwin Fort Irwin, CA 92310-5097 (Site)
Responsible Parties: U.S. Army Fort Irwin National Training Center and Fort Irwin Attention: David Hernandez U.S. Army Environmental Command Attention: Kelly Norwood	Address: P.O. Box 10597, Building 381 Fort Irwin, CA 92310-5097 2455 Reynolds Road, Bldg 2266, JBSA Fort Sam Houston, TX 78234-7588

GeoTracker Case Record: http://geotracker.waterboards.ca.gov/?gid=T0607100845

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.

The site currently serves as an extra-heavy-duty vehicle maintenance and storage facility. A 3,000-gallon underground storage tank (UST) was removed in August 1997, and subsequent investigations confirmed the presence of elevated concentrations of petroleum constituents. One 1,200-gallon oil-water separator, one 1,000-gallon waste oil sump, three 600-gallon aboveground storage tanks, and a petroleum, oil, lubricant (POL) drainage system previously operated at the site and were removed, potentially concurrently with the UST. Two excavations related to the POL drainage system were conducted resulting in the removal an unspecified amount of site soil, and a case associated with the POL drainage system was closed by the Department of Toxic Substances Control in 2017. Elevated concentrations of total petroleum hydrocarbons were encountered in the upper 20 feet of site soil. Polycyclic aromatic hydrocarbons (PAHs) were not sampled in site soil, and naphthalene was not sampled for in site soil vapor.

Soil and soil vapor sampling indicated consistently low concentrations of petroleum constituents in the shallow subsurface area. Naphthalene was not encountered in any of the site soil samples analyzed throughout site history. Therefore, it is considered unlikely naphthalene would pose a risk via exposure to site soil vapor. Site soil sampling indicates an area with moderate concentrations of total petroleum hydrocarbons as motor oil (TPH-mo) present. This area appears to be extremely limited in areal extent based on surrounding TPH-mo concentrations and excavation history. Additionally, no concentrations of naphthalene above laboratory detection limits have been reported in site history. Therefore, it is considered extremely unlikely PAHs exist at elevated levels in the upper five feet of site soil.

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 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 (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 (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.

8/19/2022

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Date