

State Water Resources Control Board

UST CASE CLOSURE SUMMARY

Agency Information

Current Agency Name: County of Orange Health Care Agency	Address: 1241 East Dyer Road, Ste. 120 Santa Ana, CA 92705-5611
Current Agency Caseworker: Ms. Julie Wozencraft	Case No.: 87UT158

Case Information

USTCF Claim No.: 13620	Global ID: T0605900633
Site Name: Tosco – 76 #5930	Site Address: 18351 Imperial Highway Yorba Linda, CA 92886 (Site)
Responsible Party: Chevron Environmental Management Company Attention: Mr. James Kiernan	Address: 6101 Bollinger Canyon Road San Ramon, CA 94583
USTCF Expenditures to Date: \$0	Number of Years Case Open: 27

URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605900633

Summary

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 release at the Site was discovered in 1987 when a leak was detected in a waste oil underground storage tank (UST). Subsequently the waste oil UST, two gasoline USTs and one diesel UST were removed from the Site and replaced with two gasoline USTs and one diesel UST. Site investigation was conducted from 1987 through 2010. Petroleum constituents were identified in soil and in groundwater beneath the Site.

Over-excavation of the affected areas was conducted in 1987 to a maximum depth of 34 feet below ground surface (bgs). Approximately 1,162 tons of impacted soil were removed from the Site. A soil vapor extraction (SVE) pilot test was conducted in 1992. An air sparge pilot test was conducted in 1995. A SVE system was operated at the Site between 1996 and 2000, removing an estimated 115,379 pounds of petroleum constituents from the subsurface. The remaining USTs, product piping, dispensers, clarifier, and three hoists were removed from the Site in 2003. Approximately 944 tons of petroleum impacted soil were removed from the Site in 2003.

Groundwater was measured between 45 to 66 feet bgs. The groundwater plume exceeding water quality objectives is less than 250 feet in length.

Tosco – 76 #5930
18351 Imperial Highway, Yorba Linda, Orange County

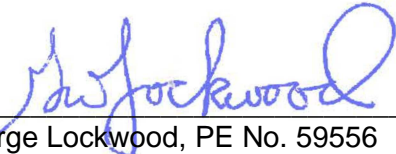
The nearest public supply well and surface water body are greater than 1,000 feet from the Site. Additional corrective action will not likely change the conceptual site model. Residual petroleum constituents pose a low risk to human health, safety, and the environment.

Rationale for Closure under the Policy

- General Criteria – Site **MEETS ALL EIGHT GENERAL CRITERIA** under the Policy.
- Groundwater Media-Specific Criteria – Site meets the criterion in **CLASS 2**. The contaminant plume that exceeds water quality objectives is less than 250 feet in length. There is no free product. The nearest water supply well or surface water body is greater than 1,000 feet from the defined plume boundary. The dissolved concentration of benzene is less than 3,000 µg/L, and the dissolved concentration of MTBE is less than 1,000 µg/L.
- Petroleum Vapor Intrusion to Indoor Air Criteria – Site meets **CRITERION 2 (b)**. A Site-specific risk assessment for the vapor intrusion pathway was conducted. The assessment found that there is a low risk of petroleum vapors adversely affecting human health. Volatile organic compounds including, benzene and methyl tertiary butyl ether, were only detected at low concentrations in soil and groundwater indicating a low potential for vapor intrusion.
- Direct Contact and Outdoor Air Exposure Criteria – Site meets **CRITERION 3 (a)**. Maximum concentrations of residual petroleum constituents in soil are less than or equal to those listed in Table 1.

Recommendation for Closure

The corrective action performed at this Site ensures the protection of human health, safety, and the environment, and is consistent with chapter 6.7 of the Health and Safety Code and implementing regulations, applicable state policies for water quality control, and the applicable water quality control plan, and case closure is recommended.



George Lockwood, PE No. 59556
Senior Water Resource Control Engineer

1/29/2015

Date

