

State Water Resources Control Board

UST CASE CLOSURE SUMMARY

Agency Information

Current Agency Name: Orange County Health Care Agency	Address: 1241 East Dyer Road, Suite 120 Santa Ana, CA 92705-5611
Current Agency Caseworker: Ms. Julie Wozencraft	Case No.: 97UT028

Case Information

USTCF Claim No.: 16249	Global ID: T0605902083
Site Name: Tosco – 76 #5792	Site Address: 4002 Ball Road Cypress, CA 90630 (Site)
Responsible Party: Chevron Environmental Management Company Attention: Mr. Brett Hunter	Address: 6101 Bollinger Canyon Road, Fifth Floor San Ramon, CA 94583
USTCF Expenditures to Date: \$0	Number of Years Case Open: 17

URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605902083

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 Site is operated as an active petroleum fueling facility. Petroleum constituents were discovered at the Site in August 1997, when the underground storage tanks (USTs) were removed and replaced. Approximately 995 tons of petroleum impacted soil were removed and transported off-site for disposal during the USTs replacement. Six 8-hour overpurge events were conducted at the Site between December 2000 and June 2001. Approximately 14,276 gallons of impacted groundwater were removed from the Site during the overpurge events. Dual phase extraction (DPE) tests were conducted in January and February 2002. Approximately 1.1 gallons of petroleum constituents and 2,800 gallons of petroleum impacted groundwater were extracted from the Site during the DPE tests. An ozone injection system was operated at the Site from December 2005 through November 2011.

The average depth to groundwater at the Site is approximately nine feet. The groundwater flow direction is toward the southwest. The nearest active public supply well is located approximately 650 feet south and cross-gradient of the Site. Petroleum constituents have not been detected in this well. The nearest surface water body, an unnamed concrete-lined channel, is located approximately 700 feet south of the Site.

Remaining petroleum constituents are limited, stable, and declining. Additional corrective action will not likely change the conceptual model. Remaining petroleum constituents pose a low risk to human health, safety, and the environment.

Rationale for Closure under the Policy

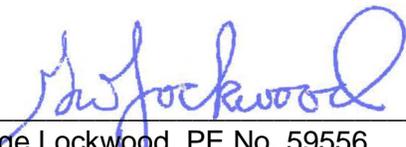
- General Criteria – Site **MEETS ALL EIGHT GENERAL CRITERIA** under the Policy.
- Groundwater Media-Specific Criteria – Site meets the criterion in **CLASS 5**. Based on an analysis of site specific conditions, which under current and reasonably anticipated near-term future scenarios, the contaminant plume poses a low threat to human health and safety and to the environment and water quality objectives (WQOs) will be achieved within a reasonable time frame. The contaminant plume that exceeds WQOs is less than 250 feet in length. The plume is stable or decreasing. During the recent sampling, benzene was not detected in any monitoring wells. Dissolved concentrations of methyl tert-butyl ether were at or near WQOs. Impacts to the nearby surface water body are not likely because the channel is concrete lined.

The nearest active water supply well is located approximately 650 feet south and cross-gradient of the Site. Petroleum constituents have not been detected the water supply well. Future impacts to the supply well are not likely because petroleum constituents were not detected during the recent sampling of the off-site wells or the four grab groundwater samples located between the Site and public supply well.

- Petroleum Vapor Intrusion to Indoor Air Criteria – Site meets **EXEMPTION**. Exposure to petroleum vapors associated with historical fuel system releases is comparatively insignificant relative to exposures from small surface spills and fugitive vapor releases that typically occur at active fueling facilities.
- 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 of the Policy.

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

1/15/2015

Date

