

State Water Resources Control Board

UST CASE CLOSURE SUMMARY

Agency Information

Agency Name: Orange County Healthcare Agency	Address: 1241 East Dyer Road, Suite 120 Santa Ana, CA 92705
Agency Caseworker: Mr. Kevin Lambert	Case No.: 91UT068

Case Information

USTCF Claim No.: 5642	Global ID: T0605902446
Site Name: Mobil #18-826	Site Address: 25491 Alicia Parkway Laguna Hills, CA 92653 (Site)
Responsible Party: Circle K Stores, Inc. Attention: Mr. Rex Abacan	Address: 255 East Rincon Street, Suite 100 Corona, CA 92879
USTCF Expenditures to Date: \$1,490,000	Number of Years Case Open: 23

URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605902446

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 currently operated as an active fueling facility. Free product was detected in groundwater monitoring wells at the Site in July 1991. The underground storage tank (UST) system was upgraded in 1996. Three gasoline USTs were removed and replaced in 2000. One waste oil UST was removed from the Site in April 2007. A total of approximately 1,450 cubic yards of soil were removed from the Site between 1996 and 2007. Approximately 5,563 gallons of impacted groundwater were removed during overpurge events between 1998 and 2001. Approximately 1,068 pounds of vapor phase hydrocarbons were removed during a 5-day dual phase extraction (DPE) feasibility test conducted in 2001. Approximately 2,360 pounds of vapor phase hydrocarbons and 32 pounds of dissolved phase hydrocarbons were removed by a fixed DPE system between 2003 and 2009. Low level petroleum constituent impacts were detected in confirmation soil borings advanced in November 2009

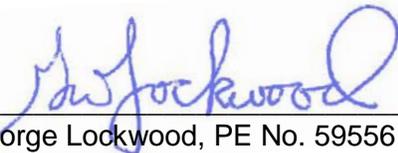
Free product has not been reported at the Site since 1997. The average depth to groundwater at the Site is approximately 14 feet below ground surface. The groundwater plume exceeding water quality objectives is less than 100 feet in length and has been stable or decreasing since 2009. After the remediation system was shut off, no rebound was observed in the 2009 confirmation borings. The nearest public supply well is greater than 1,000 feet from the Site. An unnamed concrete-lined tributary to Aliso Creek is located approximately 200 feet south of the defined plume boundary. 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 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 will be achieved within a reasonable time frame. The contaminant plume that exceeds water quality objectives is less than 100 feet in length. There is no free product. The nearest water supply well is greater than 1,000 feet from the defined plume boundary. The nearest surface water body is approximately 200 feet from the defined plume but it is concrete lined and not likely to interact with shallow groundwater.
- Petroleum Vapor Intrusion to Indoor Air Criteria – Site meets **EXCEPTION**. 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.

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

10/25/2014

Date

