

## 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
Current Agency Caseworker: Mr. Kevin Lambert	Case No.: 96UT038

#### Case Information

USTCF Claim No.: 19536	Global ID: T0605901982
Site Name: Mobil #18-GWN	Site Address: 11962 Brookhurst Street Garden Grove, CA 92840 (Site)
Responsible Party: Circle K Stores, Inc. Attention: Mr. Rex Abacan	Address: 255 East Rincon, Suite 100 Corona, CA 92879
USTCF Expenditures to Date: \$0	Number of Years Case Open: 18

URL: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0605901982](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605901982)

#### 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 when the underground storage tank (UST) leak detection system indicated a leak was present in August 1996. Subsequent investigations detected concentrations of petroleum hydrocarbons in Site soil and groundwater. Monthly groundwater over-purge events were conducted between December 1998 and August 2001. In September 1999, tank top upgrades, product line replacement, and dispenser containment upgrades were performed at the Site. Approximately 743 cubic yards of impacted soil were transported offsite for disposal during station upgrade activities. Between October 1999 and March 2000, five mobile dual phase extraction (DPE) events were conducted, followed by a 74-hour DPE feasibility test conducted in September 2000. In July 2001, two additional mobile DPE events were performed prior to installation of a full scale DPE system. The DPE system operated at the Site from September 2001 through April 2013. Approximately 4,381 pounds of vapor phase hydrocarbons and 2,544,989 gallons of impacted groundwater were removed from the Site. The Site is operated as an active retail fueling facility.

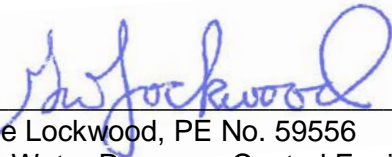
Groundwater was measured at an average depth of 24 feet below ground surface. The plume of groundwater exceeding water quality objectives is less than 250 feet in length. The nearest public supply well and surface water body are greater than 1,000 feet from the Site. Additional corrective action will 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 and surface water body are 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 methyl tertiary butyl ether is less than 1,000 µg/L.
- 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

1/16/2015

Date

