

State Water Resources Control Board

UST CASE CLOSURE SUMMARY

Agency Information

Agency Name: Orange County, Division of Environmental Health	Address: 1241 East Dyer Road, Suite 120 Santa Ana, CA 92705
Agency Caseworker: Shyamala Kalyanasundaram	Case No.: 89UT155

Case Information

USTCF Claim No.: 4618	Global ID: T0605900387
Site Name: Shell Oil, Stanton	Site Address: 12950 Beach Boulevard Stanton, CA 90680
Petitioner: Shell Oil Products US	Address: 20945 South Wilmington Avenue Carson, CA 90810
USTCF Expenditures to Date: \$1,042,508	Number of Years Case Open: 8

URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605900387

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 Low-Threat Policy. This Case meets all of the required criteria of the Policy.

The release at the Site was discovered in 1989. Manual removal of free product was performed from November 1989 through February 1993. Three underground storage tanks (USTs) and approximately 1,300 cubic yards of contaminated soil were excavated and removed from the Site during November 2005. Soil and groundwater remediation activities include soil vapor extraction, groundwater extraction, soil excavation, and oxygen injection. The Site is a vacant lot.

The existing monitoring well network provides delineation of the residual petroleum constituent plume. The remaining petroleum constituents in soil and groundwater are stable to decreasing. The petroleum release is limited to the shallow soil and groundwater within the Site boundary. The affected groundwater beneath the Site is not currently being used as a source of drinking water or for any other designated beneficial use, and it is highly unlikely that the affected groundwater will be used as a source of drinking water or for any other beneficial use in the foreseeable future. Public supply wells are usually constructed with competent sanitary seals and intake screens that are in deeper more protected aquifers. Remaining petroleum constituents are limited, stable and declining. Remedial actions have been implemented and further remediation is not necessary. Additional

Shell Oil, Stanton
12950 Beach Boulevard, Stanton

assessment/monitoring will not likely change the conceptual model. Any remaining petroleum constituents do not pose significant risk to human health, safety or 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 4**. Based on an analysis of Site-specific conditions. A conservative estimate of plume length that exceeds water quality objectives is less than 1,000 feet. There is no free product. The nearest existing water supply well or surface water body is greater than 1,000 feet from the estimated plume boundary. The dissolved concentration of benzene is less than 1,000 micrograms per liter (µg/L), and the dissolved concentrations of methyl tert butyl ether are less than 1,000 µg/L.
- Petroleum Vapor Intrusion to Indoor Air – Site meets **CRITERIA (2) b**. There are no structures on-Site. Groundwater is at approximately 9 feet below grade surface. Benzene concentrations in groundwater are below 100 µg/L. Residual concentrations of total petroleum hydrocarbons in shallow soil do not pose a vapor intrusion risk at the Site. A Site-specific assessment for the vapor intrusion pathway 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 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, 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.

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10/17/13

Date

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10/17/13

Date