

## State Water Resources Control Board

### UNDERGROUND STORAGE TANK (UST) CASE CLOSURE SUMMARY

#### Agency Information

Agency Name: North Coast Regional Water Quality Control Board	Address: 5550 Skylane Boulevard, Suite A Santa Rosa, California 95403
Agency Caseworker: Paul Nelson	Case No.: 1THU267

#### Case Information

UST Cleanup Fund (Fund) Claim No.: N/A	Global ID: T0602300199
Site Name: Union 76, Rio Dell	Site Address: 609 Wildwood Avenue Rio Dell, CA 95562
Responsible Parties: Union Oil Company of California Attention: James Kiernan	Address: c/o Chevron Environmental Management Company 6001 Bollinger Canyon Road, Room C2102 San Ramon, California 94583
Edward S. and Roger G. Barisdale	555 East Painter Street Rio Dell, California 95562
Fund Expenditures to Date: N/A	Number of Years Case Open: 30

**[GeoTracker Case Record](https://geotracker.waterboards.ca.gov/?gid=T0602300199)**: <https://geotracker.waterboards.ca.gov/?gid=T0602300199>

#### Summary

**This case has been proposed for closure by the State Water Resources Control Board at the request of the North Coast Regional Water Quality Control Board, which concurs with closure.**

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 because they pose a low threat to human health, safety, and the environment. The Site meets all of the required criteria of the Policy and therefore, is subject to closure.

E. JOAQUIN ESQUIVEL, CHAIR | EILEEN SOBECK, EXECUTIVE DIRECTOR

Union 76, Rio Dell,  
609 Wildwood Avenue, Rio Dell

The site currently operates as an automotive repair and U-Haul rental business. The site previously operated as a commercial fueling station from 1954 to 1990. The release was discovered when petroleum constituents were detected in soil and groundwater samples when two gasoline (7,500-gallon and 5,000-gallon) and one waste oil (550-gallon) USTs were removed in 1990.

Additional investigation in 2018 indicated slightly elevated concentrations of petroleum constituents in the upper three feet of site soil in the vicinity of the dispenser, considered to likely be the result of incidental surface spills. Methyl tertiary butyl ether (MTBE) in one grab groundwater sample collected during the 2018 investigation exceeded the water quality objective. MTBE concentrations were less than the WQO in grab groundwater samples collected from soil borings surrounding the boring in which MTBE exceeded the WQO. Although the plume has not been defined with permanent groundwater monitoring wells, the results of the grab groundwater samples indicate the MTBE plume is defined and appears to attenuate quickly in all directions; therefore, the MTBE concentrations detected pose a low threat to groundwater. Concentrations exceeding 100 milligrams per kilogram of total petroleum hydrocarbons were detected in shallow soil in one soil boring; however, the soil boring was not located in an area near a building. Volatile organic compounds associated with gasoline were not detected in soil or groundwater at concentrations likely to pose a vapor intrusion to indoor air threat to the existing buildings. Based on an analysis of the data, there is a low threat of vapor intrusion to indoor air.

Remaining petroleum constituents are limited, stable, and decreasing. Additional assessment would be unnecessary and will not likely change the conceptual model. Any remaining petroleum constituents do not pose significant risk to human health, safety, or the environment under current conditions.

### **Rationale for Closure Under the Policy**

- General Criteria – Site **MEETS ALL EIGHT GENERAL CRITERIA** under the Policy
- Groundwater Media-Specific Criteria – Site **meets the criteria in Class 5**. The regulatory agency determines, based on an analysis of Site-specific conditions that under current and reasonably anticipated near-term future scenarios, the contaminant plume poses a low threat to human health, safety, and to the environment and water quality objectives will be achieved within a reasonable time frame.
- Petroleum Vapor Intrusion to Indoor Air – Site **meets Criteria 2 (b)**. A Site-specific risk assessment for the vapor intrusion pathway was conducted under the policy and demonstrates that human health is protected to the satisfaction of the regulatory agency.
- Direct Contact and Outdoor Air Exposure – Site **meets Criteria 3 (a)**. Maximum concentrations of petroleum constituents in soil from confirmation soil samples are less than or equal to those listed in Table 1 of the Policy.

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**Recommendation for Closure**

The corrective action performed at this Site ensures the protection of human health, safety, and the environment. The corrective action performed at this Site is consistent with chapter 6.7 of division 20 of the Health and Safety Code, implementing regulations, applicable state policies for water quality control and applicable water quality control plans. Case closure is recommended.

Reviewed By:   
Matthew Cohen, PG No. 9077  
Senior Engineering Geologist



5/13/2020  
Date