
Central Valley Regional Water Quality Control Board

PUBLIC NOTICE CLOSURE OF ENVIRONMENTAL CASE

This will serve as notice that the Central Valley Regional Water Quality Control Board (Central Valley Water Board) is soliciting comments from the public regarding the pending closure of an environmental case at 2998 Churn Creek Road, Redding, Shasta County (Site).

SUBJECT SITE:

Former 7-Eleven Store #43210 and Beacon #520, 2998 Churn Creek Road, Redding, CA, Shasta County Assessor's Parcel Number 107-350-027-000.

PUBLIC PARTICIPATION COMMENT PERIOD:

7 May 2026 through 6 July 2026.

SUMMARY:

The Site meets the requirements for closure under Groundwater-Specific Criterion 1 of the State Water Resources Control Board's Low-Threat Underground Storage Tank Case Closure Policy (LTCP). Based on analysis of site-specific conditions under current and reasonably anticipated near-term future scenarios, residual contaminations pose low threat to human health and the environment. Water quality objectives will be achieved through natural degradation processes within a reasonable time frame.

SETTING:

The Site is located at the northwest corner of the intersection of Churn Creek Road and Hartnell Avenue. The gasoline station operated at this location from the 1950s until April 2024. The Site is currently occupied by a vacant service station building. Surrounding land uses include a restaurant to the north, a market to the west, Hartnell Avenue to the south, and Churn Creek Road to the east. The Site is zoned for commercial land use.

The Site is underlain by recent alluvium of the Red Bluff Formation, consisting of approximately 19 ft of clayey sand overlying clayey gravel to a depth of about 25.5 ft below ground surface (bgs). Groundwater has been encountered at depths ranging from 16 to 20 ft bgs. Local groundwater flows easterly towards the west branch of Churn Creek.

INVESTIGATION AND REMEDIATION ACTIVITIES:

Central Valley Water Board staff (Staff) originally opened the Beacon #520 Underground Storage Tank (UST) Program case in 1990 because contamination was discovered during UST removals. The case was closed in 1994 when the on-site remedial action was completed. The case was reopened in 2024 because contamination was discovered during the removal of the permanent UST system. These actions are summarized below.

Original Case: Three gasoline USTs were removed from the south side of the Site and replaced with three new USTs on the north side of the Site in 1990. Soil samples collected from the UST cavity during the removal contained up to 570 milligrams per kilogram (mg/kg) total petroleum hydrocarbons as gasoline (TPH-g) and low levels of benzene, toluene, ethylbenzene, and xylenes (BTEX). Approximately 28 pounds of petroleum hydrocarbons were removed by soil excavation, but an estimated 75 pounds of TPH-g remained in the former UST area. The site investigation was completed in September 1994, and Central Valley Water Board closed the case.

Current Case: Between July and August 2024, the on-site permanent UST system, consisting of two 20,000-gallon USTs (one regular unleaded gasoline and one portioned 12,000-gallon premium gasoline / 8,000-gallon diesel fuel), three dispensers, and associated piping, were removed on the north side of the Site. During the cleaning process, approximately 5 gallons of UST rinsewater reportedly impacted a portion of nearby pea gravel that had been stockpiled during the destruction of the partitioned UST. However, no visual staining or odors were observed. Twelve soil samples and one groundwater sample were collected and analyzed for TPH-g, total petroleum hydrocarbons as diesel (TPH-d), BTEX, naphthalene and fuel oxygenate. Groundwater results exceeded water quality objectives for several constituents.

Staff reopened the case in January 2025 and requested that the Discharger develop a site investigation work plan to delineate the extent of the petroleum hydrocarbon plume discovered on Site.

In July 2025, the Discharger's consultant advanced 3 soil borings to 25 ft bgs, groundwater was encountered at depths of approximately 16.3 to 17 ft bgs in the soil borings. Fifteen confirmation soil samples and three grab groundwater samples were collected. After samples were collected, the soil borings were converted to groundwater monitoring wells.

An investigation report (Report) submitted on 12 September 2025 summarized the results of the July 2025 soil and groundwater sampling event. Analyzed constituent concentrations were less than environmental screening levels in all soil samples. TPH-g was detected in one monitoring well and TPH-d was detected in two monitoring wells. Benzene, ethylbenzene, total xylenes, methyl tert-butyl ether (MTBE) and naphthalene were not detected in the samples (see Table below).

Results of Groundwater Sampling conducted on 19 March 2025
Results in micrograms per liter (ug/L)

Groundwater Sample Name	Gasoline Range Organics	Diesel Range Organics	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Methyl Tert-Butyl Ether (MTBE)	Naphthalene
MW-4	ND	186	ND	ND	ND	ND	ND	ND
MW-5	ND	ND	ND	ND	ND	ND	ND	ND
MW-6	287	738	ND	ND	ND	ND	ND	ND
Groundwater Water Quality Goal	100	180	0.15	40	3.2	20	5	17

Notes about the table: ND means not detected above laboratory reporting limit.

Upon reviewing the Report, Staff determined that additional remedial measures are not necessary. The case is eligible for closure under the LTCP because the unauthorized release consists solely of petroleum, is located within the service area of a public water system, and the primary release has been eliminated through the removal of the USTs. Constituents of BTEX, MTBE and naphthalene meet Groundwater-Specific Criterion 1 of the LTCP and do not pose a threat to human health or the environment.

WHERE DO I GET MORE INFORMATION?

General information regarding the Site can be obtained from the State Water Resources Control Board's [GeoTracker](https://geotracker.waterboards.ca.gov/) Website.
 (https://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608900052).

All interested agencies, groups and persons wishing to comment on the pending case closure must provide these comments in writing. The comments should be submitted by **6 July 2026** to the Central Valley Water Board's office at 364 Knollcrest Drive, Suite 205, Redding, CA 96002.

For information, please call Christy Gilbreath at (530) 224-4998 or contact her by e-mail at Christy.Gilbreath@waterboards.ca.gov.