



# California Regional Water Quality Control Board Central Valley Region

Katherine Hart, Chair



Linda S. Adams  
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Edmund G. Brown Jr.  
Governor

20 May 2011

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## **NOTICE OF APPLICABILITY - ORDER NO. R5-2003-0044-026, GOLD FLAT SERVICE STATION, 747 ZION STREET, NEVADA CITY, NEVADA COUNTY**

On 19 April 2011, Allterra Environmental Inc. (Allterra) submitted a Report of Waste Discharge (RWD), associated information, and applied for coverage under Waste Discharge Requirements General Order No. R5-2003-0044 (General Order) on your behalf for your site at 747 Zion Street, Nevada City. The RWD and supporting technical information submitted for an on-site discharge of treated groundwater from your facility were determined to be complete on 19 May 2011.

The RWD is in support of a discharge of treated groundwater from a groundwater extraction and treatment system located at your site. The treatment system has been designed to remove petroleum hydrocarbon contaminants, including methyl tertiary butyl ether (MTBE), from the extracted groundwater. This treated groundwater will then be discharged to land cross-gradient of the existing contaminant plume on the site.

The General Order includes a Monitoring and Reporting Program (MRP) that prescribes minimum wastewater monitoring requirements. The MRP requires sampling and analytical testing for specific petroleum hydrocarbon constituents in influent, effluent, and monitoring wells. Additional and/or modifications to the MRP are included in the Additional Requirement section of this Notice of Applicability (NOA).

Based on our review of the information provided, we have determined this project meets the required conditions to be approved under the General Order. All requirements contained in the General Order and/or modified by this NOA are applicable to your project. You are hereby assigned General Order No. R5-2003-0044-026 to regulate the discharge of treated groundwater at the Gold Flat Service Station site.

### **PROJECT LOCATION**

The Gold Flat Service Station site is at 747 Zion Street, Nevada City, California. The legal description for the site is: Assessor's Parcel Number 05-270-27. Latitude 39.2524°N, Longitude 121.0263°W.

**California Environmental Protection Agency**

## PROJECT DESCRIPTION

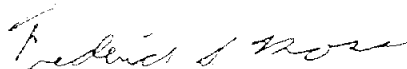
The Gold Flat Service Station site is currently an automobile repair and service facility and no longer dispenses vehicle fuel. In April 1999, four underground storage tanks (USTs) and associated dispensers were removed. Soil samples from beneath the removed USTs were collected and analyzed. Elevated concentrations of petroleum hydrocarbon contamination were detected in the soil and groundwater samples during subsequent investigations. From February 2001 to the present, numerous soil borings and 13 groundwater monitoring wells were installed at the site and sampled for hydrocarbon contamination. Based on investigativeresults, Central Valley Water Quality Control Board (Central Valley Water Board) staff requested the responsible party to implement remedial measures to clean up the identified contaminant plume. The corrective action plan proposes groundwater remediation utilizing dual-phase extraction technology, which requires a permit from the Central Valley Water Board to discharge treated groundwater to land.


Gold Flat Service Station will extract contaminated groundwater from five wells and pass it through four 2,000-lb in-line activated carbon canisters for hydrocarbon stripping prior to being reapplied to a subsurface infiltration basin cross-gradient of the existing contaminant plume. Analytical testing will be performed on the untreated influent and the treated effluent before it is discharged to subsurface. There are no surface waters associated with this project.

## ADDITIONAL REQUIREMENTS

1. Gold Flat Service Station shall obtain and analyze influent and effluent groundwater samples at 8, 24, and 72 hours after treatment system startup. Samples are to be collected and analyzed in accordance with locations and frequencies directed in the General Order and MRP. Pesticides are waived from the sampling and reporting requirements because they were not detected in previous sampling of the groundwater.
2. The required annual fee (as specified in the annual billing invoice to be issued by the State Water Resources Control Board) shall be submitted until this NOA is officially withdrawn.

If you have any questions regarding this NOA, please contact Michael Smith at (916) 464-4728.



 PAMELA C. CREEDON  
Executive Officer

Enclosure: General Order R5-2003-0044

cc: w/ encl: Mr. Nathaniel Allen, Allterra Environmental Inc., Santa Cruz  
cc: w/o encl: U.S. Environmental Protection Agency, Sacramento  
California Dept. of Fish and Game, Rancho Cordova  
Mr. Dave Huff, Nevada County Environmental Health Department, Nevada City