



California Regional Water Quality Control Board Central Valley Region

Katherine Hart, Chair



Matthew Rodriguez
Secretary for
Environmental Protection

11020 Sun Center Drive, #200, Rancho Cordova, California 95670-6114
(916) 464-3291 • FAX (916) 464-4645
<http://www.waterboards.ca.gov/centralvalley>

Edmund G. Brown Jr.
Governor

22 December 2011

Mr. Clark Pickell
Yuba County Environmental Health Department
915 8th Street
Marysville, CA 95901

CERTIFIED MAIL
7010 0290 0000 8536 0294

***NOTICE OF APPLICABILITY - ORDER NO. R5-2003-0044-029, FORMER NELSON PROPERTY,
3260 FEATHER RIVER BOULEVARD, OLIVEHURST, YUBA COUNTY***

On 28 November 2011, Applied Engineering and Geology, Inc., (AEG) 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 3260 Feather River Boulevard, Olivehurst. The RWD and supporting technical information submitted for an on-site discharge of treated groundwater from your facility were verified as complete on 6 December 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 hydrocarbons from extracted groundwater, including benzene. This treated groundwater will then be discharged to land located upgradient of the existing on-site petroleum hydrocarbon plume in groundwater.

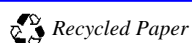
The General Order includes a Monitoring and Reporting Program (MRP) that prescribes minimum wastewater monitoring requirements. The MRP requires sampling and analytical testing for specific petroleum hydrocarbon constituents in influent, effluent, and monitoring wells. Additional and/or modifications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

Based on our review of the information provided, 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. R5-2003-0044-029 to regulate the discharge of treated groundwater at the Former Nelson Property site.

PROJECT LOCATION

The Former Nelson Property site is at 3260 Feather River Boulevard, Olivehurst, California. The legal description for the site is: Assessor's Parcel Number 14-290-010, Latitude 39.0480°N, Longitude 121.5794°W.

California Environmental Protection Agency



PROJECT DESCRIPTION

The Former Nelson Property site is currently a vacant 2-acre lot that was formerly occupied by a general store and service station. In January 1989, four underground storage tanks (USTs) and associated dispensers were removed and soil samples from beneath the removed USTs were collected and analyzed. Elevated concentrations of petroleum hydrocarbons were detected in the soil and groundwater samples during subsequent investigations. From March 1995 to the present, numerous soil borings and six groundwater monitoring wells were installed at the site and sampled for hydrocarbons. Based on investigative results, Yuba County Environmental Health Department staff requested the responsible party to implement remedial measures to clean up the identified petroleum hydrocarbon 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.

The Former Nelson Property site will extract impacted groundwater from one source area monitoring well and pass it through a 850-gallon retention tank for ozone treatment and two 2,000-pound in-line activated carbon canisters for hydrocarbon stripping prior to being reapplied to the subsurface through three dedicated wells up- and cross-gradient of the existing groundwater 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. The Former Nelson Property site shall obtain and analyze influent and effluent water samples at 8 and 24 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. Methanol and ethanol are to be included in the analytical suite. 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.

Original Signed by FJM

PAMELA C. CREEDON
Executive Officer

Enclosure: General Order R5-2003-0044

cc: w/ encl: Mr. Stephen Lane, Applied Engineering and Geology, Inc., Lincoln
cc: w/o encl: U.S. Environmental Protection Agency, Sacramento
California Dept. of Fish and Game, Rancho Cordova