



California Regional Water Quality Control Board Central Valley Region

Katherine Hart, Chair



Linda S. Adams
Secretary for
Environmental
Protection

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Arnold
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12 May 2010

David Wren
21895 Canyon Way
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CERTIFIED MAIL
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NOTICE OF APPLICABILITY (NOA); GENERAL WASTE DISCHARGE REQUIREMENTS ORDER NO. R5-2008-0085; NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT NO. CAG915001; APPLGATE SERVICE STATION, 17875 LAKE ARTHUR ROAD, APPLGATE, PLACER COUNTY

Our office received an application package on 9 March 2010 from Engineering-Environmental Management, Inc., on behalf of David Wren, owner of the Applegate Service Station. Based on the application package, we have determined that the project meets the required conditions for approval under the General Order for Discharge to Surface Waters of Groundwater from Cleanup of Petroleum Fuel Pollution (Petroleum General Order). David Wren is designated as the Discharger for this Petroleum General Order. This project is hereby assigned Petroleum General Order No. R5-2008-0085-014 (and NPDES Permit No. CAG915001).

The Petroleum General Order (enclosed) may also be viewed at the following web address: http://www.waterboards.ca.gov/centralvalley/board_decisions/adopted_orders/general_orders/r5-2008-0085.pdf. You are urged to familiarize yourself with the contents of the entire document. The Petroleum General Order prescribes mandatory discharge monitoring requirements. The project activities shall be operated in accordance with the requirements contained in this NOA, the Petroleum General Order, and with the information submitted by the Discharger.

CALIFORNIA TOXICS RULE / STATE IMPLEMENTATION POLICY MONITORING

The Petroleum General Order incorporates the requirements of the California Toxics Rule (CTR) and the State Water Resources Control Board's (State Water Board), *Policy for Implementation of Toxic Standards for Inland Surface Waters, Enclosed Bays, and Estuaries of California, 2005*, also known as the State Implementation Policy (SIP). Screening levels for CTR constituents are found in Attachment B of the Petroleum General Order.

Review of your water quality data in reference to the CTR screening values showed no reasonable potential to impact the receiving waters. In addition, the receiving waters are not listed under the Clean Water Act 303(d) List of impaired water bodies. Therefore, no additional effluent limitations or additional monitoring requirements will be required for this project.

California Environmental Protection Agency



PROJECT DESCRIPTION

The Applegate Service Station is in the town of Applegate, at 17875 Lake Arthur Road, near Interstate 80, in Placer County. After detecting gasoline in groundwater in 1993, three underground gasoline tanks and surrounding soils were excavated in 1997. Twelve groundwater monitoring wells were installed between 1998 and 2003 to determine the extent of contamination. During periods of high groundwater, flow of the groundwater in the wells is artesian (the wells discharge to the ground surface if not capped and held under pressure).

The groundwater treatment system (GTS) includes two groundwater extraction wells within the former underground tank excavation, an equalization and settling tank, a regenerative blower and air diffuser, a series of bag filters, four granular activated carbon (GAC) vessels, and discharge piping. The design flow for the treatment system is 10 gallons per minute (gpm). The groundwater extraction wells remove contaminated groundwater for treatment as well as lower the water table to prevent artesian well flow. Extracted groundwater is conveyed first to the settling tank and infused with air to allow suspended solids and iron precipitates to settle out. The water is then filtered, and pumped through a flow totalizer and four GAC vessels in series. The treated water is discharged to a storm drain that crosses under Interstate 80 and discharges into an unnamed ephemeral creek that is tributary to Clipper Creek and the North Fork American River.

Approval for regulatory coverage under the Petroleum General Order is for the resumption of the discharge that was regulated under the previous expired Petroleum Clean Up General Order No. 5-00-119-013. The discharge is scheduled to resume upon issuance of this NOA and continue until the site is remediated to levels approved by the Executive Officer of the Central Valley Regional Water Quality Control Board (Central Valley Water Board).

GENERAL INFORMATION AND REQUIREMENTS

The Central Valley Water Board shall be notified immediately, if any violation, nuisance, or detriment to the receiving water is observed during implementation of the project. Discharge of material other than what is described in the application is prohibited.

The required annual fee (as specified in the annual billing you will receive from the State Water Board) shall be submitted until this NOA is officially terminated. You must notify this office in writing if the discharge regulated by this Petroleum General Order is no longer necessary, so we may terminate applicability of this Petroleum General Order and avoid additional unnecessary billing.

Failure to comply with the Petroleum General Order may result in enforcement actions, which could include civil liability. Late reporting and effluent limitation violations are subject to a Mandatory Minimum Penalty (MMP) of \$3,000 per violation [California Water Code Section 13385(h) and (i)]. If you have no discharge during a quarterly monitoring period, you must still submit a report indicating that no discharge occurred, or you may be subject to MMPs.

If you have any questions, please contact Elizabeth Thayer of our office at (916) 464-4671 or ethayer@waterboards.ca.gov.

Original signed by Kenneth Landau

Pamela C. Creedon
Executive Officer

Enclosure: General Order No. R5-2008-0085 (Discharger only)

cc: Mr. David Smith, U.S. Environmental Protection Agency, Region IX, San Francisco
U.S. Army Corps of Engineers, Sacramento
Mr. Phil Isorena, Division of Water Quality, State Water Board, Sacramento
Mr. Clayton Mokri, HDR Inc., 2365 Iron Point Road, Suite 300, Folsom, CA 95630

Approved

Author

Senior

Supervisor

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