



California Regional Water Quality Control Board Central Valley Region

Katherine Hart, Chair



Linda S. Adams
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18 January 2011

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Mr. Ben Prince
C. L. Prince Company, Inc.
P.O. Box 743
Colfax, CA 95713

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Mr. Brandon Poteet
Apex Envirotech, Inc
11244 Pyrites Way
Gold River, CA 95670

NOTICE OF APPLICABILITY (NOA); GENERAL WASTE DISCHARGE REQUIREMENTS ORDER NO. R5-2008-0085; NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT NO. CAG915001; COLFAX CHEVRON, 400 SOUTH CANYON WAY, COLFAX, PLACER COUNTY

Our office received an application package on 25 August 2008 and an addendum on 30 August 2010 from APEX Envirotech, Inc. on behalf of C.L. Prince Company Inc., responsible party for the cleanup at the Colfax Chevron, 400 S. Canyon Way, Colfax, Placer County. Based on the application package and addendum, 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). C.L. Prince Company, Inc. and Ben Prince are designated as the Discharger for this Petroleum General Order. This project is hereby assigned Petroleum General Order No. R5-2008-0085-015 (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 TOXIC RULE / STATE IMPLEMENTATION POLICY MONITORING

The Petroleum General Order incorporates the requirements of the California Toxic 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 the discharge has a reasonable potential to cause or contribute to an in-stream excursion above the criteria for benzene, toluene, ethylbenzene, xylene, and methyl tertiary butyl ether (MTBE). Monitoring

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requirements for these constituents are specified in the Monitoring and Reporting Section below.

According to the Clean Water Act Section 303(d) list, North Fork American River is impaired for Mercury. One time monitoring of the discharge for this constituent is required upon initial discharge. Unfiltered methylmercury and total mercury samples shall be taken using clean hands/dirty hands procedures, as described in U.S. EPA method 1669: Sampling Ambient Water for Trace Metals at EPA Water Quality Criteria Levels, for collection of equipment blanks (section 9.4.4.2), and shall be analyzed by U.S. EPA method 1630/1631 (Revision E) with a method detection limit of 0.02 ng/l for methylmercury and 0.2 ng/l for total mercury.

PROJECT DESCRIPTION

The project site is in the town of Colfax, at 400 S. Canyon Way, in Placer County. In 1990, a gasoline leak was discovered beneath the westernmost dispensing island. The leak was stopped immediately and a limited excavation was conducted to determine the source and remove impacted soil near the dispenser island. A damaged product line resulted in the leak and was repaired. In 1991, four soil samples were collected from the bottom of the underground storage tank basin. All soil samples were nondetect for all analyzed constituents except the soil sample collected nearest the diesel fuel tank, which contained 13 mg/kg total petroleum hydrocarbons as diesel (TPHd). Also in 1991, five underground storage tanks were excavated and removed from the property. The storage tank basin was "overexcavated" to remove contaminated soil.

In 2004, the Central Valley Regional Water Quality Control Board (Central Valley Water Board) staff requested a work plan to define the nature and extent of petroleum hydrocarbons in the soil and groundwater beneath the site. In 2006, six groundwater monitoring wells were installed. Groundwater in Monitoring well MW-1 has contained up to 73,000 ppb TPH as gasoline, 39,000 ppb benzene, 3500 ppb MTBE. In 2006, APEX submitted a *Workplan for Dual Phase Extraction (DPE) Pilot Test*, and performed the pilot test. In 2007, APEX submitted a work plan to install the DPE. In 2008, APEX installed three shallow and three deep extraction wells. Work was delayed between 2008 and 2010 due to a shortage of funding. The DPE system is ready for installation and should begin operation soon after the Discharger is authorized to discharge.

The DPE system has a maximum volumetric flow of 350 cubic feet per minute of a combined stream of groundwater and soil vapors. Thermal oxidation of soil vapors will be used initially for concentrations above 3,500 parts per million by volume (ppmv). A catalytic mode will be used when soil vapors have dropped below 3,500 ppmv. Extracted groundwater will be treated by aeration using an air stripper and liquid phase granular activated carbon before discharging into a roadside water runoff ditch (Smuthers Ravine), a tributary to North Fork of the American River. The DPE system will produce up to 3 gallons per minute of treated groundwater.

MONITORING AND REPORTING

The Discharger is required to comply with all the monitoring and reporting requirements contained in Attachment E of the Petroleum General Order. This includes notifying Central Valley Water Board staff 24 hours before the start of each new discharge, notification of noncompliance or anticipated noncompliance, and quarterly reporting of monitoring results. In

California Environmental Protection Agency



addition to these monitoring requirements, and in accordance with Section IV.A.2 of Attachment E of the General Order, the discharge from the Granulated Activated Carbon filtration system must be monitored daily for two consecutive weeks for benzene, toluene, ethylbenzene, xylene, and MTBE using analytical methods described in 40 CFR Part 136. If elevated levels of any of these constituents are detected above the corresponding criterion, resampling of the discharge must occur every hour. Hourly sampling may cease when concentrations drop below the corresponding criterion or if the discharge is ceased. Additionally, if concentration levels for any of these constituents are detected at or above their corresponding criterion for over a 24 hour period, discharge to the Smuthers Ravine shall be stopped until the cause for elevated level concentration is determined.

Effluent and receiving water monitoring shall be conducted and results submitted to the Central Valley Water Board on a quarterly basis. The Discharger must submit quarterly reports, even if there is no discharge during the reporting quarter, until Central Valley Water Board staff formally terminates the Discharger's coverage under the Petroleum General Order. The monitoring and reporting requirements are found in Attachment E of the Petroleum General Order. Please reference your unique General Order No. **R5-2008-0085-015**, in your correspondence and submitted documents.

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 regarding this NOA, please contact Mr. Anand Mamidi at (916) 464-4853 or at amamidi@waterboards.ca.gov. If you any questions regarding monitoring reports submittal, discharge notifications, and compliance and enforcement, please contact Mr. Paul Sanders at (916) 464-4817 or at psanders@waterboards.ca.gov.

Original Signed by Kenneth D. Landau for
Pamela C. Creedon
Executive Officer

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

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Mr. Ben Prince
Colfax Chevron

- 4 -

18 January 2011

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

bcc: Paul Sanders

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