

***NOTICE OF APPLICABILITY OF GENERAL ORDER NO. R5-2008-0149 – XX,  
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY, FORMER  
UNOCAL BULK TERMINAL 30-6465, 13941 RIVER ROAD, WALNUT GROVE,  
IN-SITU REMEDIATION OF PETROLEUM HYDROCARBONS, SACRAMENTO  
COUNTY***

The Chevron Environmental Management Company (Discharger) submitted a Notice of Intent, dated 19 August 2011, requesting coverage under General Order No. R5-2008-0149, General Waste Discharge Requirements for In-situ Groundwater Remediation at Sites with Volatile Organic Compounds, Nitrogen Compounds, Perchlorate, Pesticides, Semi-Volatile Compounds and/or Petroleum Compounds. Based on information in your submittal, it is our determination that this project meets the required conditions to be approved under Order No. 2008-0149. All of the requirements contained in the general order are applicable to your project. You are assigned Order No. R5-2008-0149-XX.

**Project Location:**

The project is in the City of Walnut Grove in Sacramento County, Latitude 38.249, Longitude (-)121.5094 (NAD 83 Coordinate System). Assessor's Parcel No. 146-0160-002-0000.

**Project Description:**

Operations at the Former Unocal Bulk Fuel Facility at 13941 River Road in Walnut Grove caused pollution of the soil and groundwater. The principal pollutants of concern are total petroleum hydrocarbons in the diesel and motor oil range. The facility was in operation until 1980 when all 11 above ground storage tanks were removed. Minimal active remediation has taken place at the site and currently the concentration of total petroleum hydrocarbon is up to 160 mg/L with a corresponding Water Quality Objective of 100 µg/L. One monitor well periodically contains slight levels of free phase product on the order of 0.1 inch.

The goal of this project is to attempt to liberate the high concentrations of total petroleum hydrocarbons in and around the monitor well containing periodic measurable levels of free product and remove the residual free product. To do so, the Discharger is proposing to inject 3 gallons of surfactant mixed with 72 gallons of potable water into monitor well MW-2. One day later the Discharger will commence extracting from MW-2 and extract at a rate of 5 -12 gallons per minute until at least 300 gallons have been removed. An aquifer test conducted at MW-2 demonstrated that adequate capture of the injectant will occur during extraction at MW-2. The Discharger may apply subsequent doses of the surfactant at the same rate until residual product is no longer present. Extracted water is contained and will be discharged to an appropriate facility to handle the

waste. A sufficient number of monitor wells already exist at the site to monitor this project. The Discharger will also be conducting sampling and reporting the results as described in the attached Groundwater Monitoring and Reporting Program.

XX comments were received on the draft Notice of Applicability and Monitoring and Reporting Program during the 30-day public comment period ending X December 2011.

**General Information:**

1. The project will be operated in accordance with the requirements contained in the General Order and in accordance with the information submitted in the Notice of Intent.
2. The required annual fee (as specified in the annual billing you will receive from the State Water Resources Control Board) shall be submitted until this Notice of Applicability is officially revoked.
3. Injection of materials other than a 4% solution of Ivey-Sol 106 surfactant and water into the subsurface is prohibited.
4. Failure to abide by the conditions of the General Order could result in an enforcement action as authorized by provisions of the California Water Code.
5. The project will implement the final contingency plan included as part of the Notice of Intent within 30-days of it being triggered.
6. The Discharger shall comply with the attached Monitoring and Reporting Program, Order No. R5-2008-0149-XXX, and any revisions thereto as ordered by the Executive Officer.

If you have any questions regarding this matter, please call Alexander MacDonald at (916) 464-4625 or contact him at [amacdonald@waterboards.ca.gov](mailto:amacdonald@waterboards.ca.gov).

PAMELA C. CREEDON  
Executive Officer

Attachments

cc: Della Kramer, Regional Water Quality Control Board, Sacramento

Brian Silva, Consetoga-Rovers and Associates, Rancho Cordova  
Sue Erickson, Sacramento County Environmental Management,  
Sacramento