



# California Regional Water Quality Control Board

## Los Angeles Region



Linda S. Adams  
Agency Secretary

Recipient of the 2001 *Environmental Leadership Award* from Keep California Beautiful

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Arnold Schwarzenegger  
Governor

June 14, 2007

Mr. Chuck Miller  
USA Petroleum Corporation  
905 Ranch Conejo Boulevard  
Newbury Park, CA 91320

### **GENERAL WASTE DISCHARGE REQUIREMENTS FOR GROUNDWATER CLEANUP AT PETROLEUM HYDROCARBON FUEL, VOLATILE ORGANIC COMPOUND AND/OR HEXAVALENT CHROMIUM IMPACTED SITES – USA STATION 256, 1640 MOORPARK ROAD, THOUSAND OAKS (ORDER NO. R4-2007-0019, SERIES NO. 016; CI NO. 9237)**

Dear Mr. Miller:

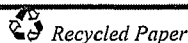
We have completed our review of your application for coverage under General Waste Discharge Requirements to inject treated groundwater at the site referenced above in Thousand Oaks, California, for groundwater cleanup and remediation.

Several phases of site assessment and characterization have been conducted at the site since October 1995. The corrective actions have consisted of numerous soil borings, two soil vapor extraction wells and sixteen groundwater monitoring wells on-site and off-site, a high-vacuum soil vapor extraction pilot test, and an on-going quarterly groundwater monitoring program. The analytical data from groundwater monitoring event conducted in second quarter of 2006 indicated groundwater beneath the site was impacted by TPHg (up to 81,000 µg/L), BTEX (up to 30,800 µg/L), MTBE (up to 22,000 µg/L), and TBA (up to 4,400). Shallow groundwater beneath the site and surrounding properties flows to the west and southwest under semi-confining conditions with a hydraulic gradient ranging from approximately 0.003 to 0.013 ft/ft.

To remediate the soil and groundwater contaminations, you have proposed to conduct groundwater pump-and-treat operation combined with high vacuum soil vapor extraction. A fixed base electric/catalytic thermal oxidizer equipped with a 250 SCFM Hi-Vac liquid ring pump is proposed for conducting SVE operations on-site. Groundwater pumping will be conducted using dedicated down-hole submersible pumps in each active extraction well. It is anticipated that extracted groundwater will be treated on-site with activated carbon, then discharged directly, through two up-gradient wells IW-1-W and IW-2-W, back to where it is pumped out for treatment.

A letter dated September 14, 2006 from Ventura County Division of Environmental Health approved Corrective Action Plan dated June 26, 2006, and its Addendum for conducting the groundwater pump-and-treat operation combined with high vacuum soil vapor extraction to remediate hydrocarbon-impacted soil and groundwater beneath the subject site.

*California Environmental Protection Agency*



*Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.*

Regional Board staff has determined that the proposed discharge meets the conditions specified in Order No. R4-2007-0019, "Revised General Waste Discharge Requirements for Groundwater Remediation At Petroleum Hydrocarbon Fuel, Volatile Organic Compound and/or Hexavalent Chromium Impacted Sites (General WDRs)," adopted by the State Water Resources Control Board on March 1, 2007.

Enclosed are your Waste Discharge Requirements, consisting of General WDRs Board Order No. 2007-0019 and Monitoring and Reporting Program No. CI-9265 and Standard Provisions.

The Monitoring and Reporting Program requires you to implement the monitoring program on the effective date of this enrollment under Regional Board Order No. R4-2007-0019. All monitoring reports shall be sent to the Regional Board, ATTN: Information Technology Unit.

When submitting monitoring or technical reports to the Regional Board per these requirements, please include a reference to Compliance File No. CI-9265, which will assure that the reports are directed to the appropriate file and staff. Do not combine other reports with your monitoring reports. Submit each type of report as a separate document.

We are sending a copy of Order No. R4-2007-0019 only to the applicant. A copy of the Order will be furnished to anyone who requests it, or on line at:

[http://www.waterboards.ca.gov/losangeles/html/permits/gen\\_orders/R4-2007-0019/R4-2007-0019.pdf](http://www.waterboards.ca.gov/losangeles/html/permits/gen_orders/R4-2007-0019/R4-2007-0019.pdf)

If you have any questions, please contact Mr. Rod Nelson at (213) 576-6119.

Sincerely,

*fw* *David A. Becharowski, AEC*  
Deborah J. Smith  
Interim Executive Officer

Enclosures: 1. Board Order No. R4-2007-0019  
2. Monitoring and Reporting Program No. CI-9265

cc: Mr. David Salter, Ventura County Division of Environmental Health  
Mr. William Henry, Waterstone Environmental, Inc.