



# 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

320 W. 4th Street, Suite 200, Los Angeles, California 90013  
Phone (213) 576-6600 FAX (213) 576-6640 - Internet Address: <http://www.waterboards.ca.gov/losangeles>

Arnold Schwarzenegger  
Governor

April 10, 2007

Mr. Chuck Miller  
USA Gasoline Corporation  
905 Rancho 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 (Order No. R4-2007-0019)**  
**USA Station No. 71, 2661 East Thompson Boulevard, Ventura, CA (Series No. 010; CI-9245; VCEHD File No. C95114)**

Dear Mr. Miller:

We have completed our review of the application for coverage under General Waste Discharge Requirements to install an *in situ* oxygen release compound (ORC) barrier downgradient of the subject site (Site) to supplement the active remediation of the groundwater contamination plume beneath the Site. The Site is currently an active gasoline service station containing three underground storage tanks (USTs). The Site is located within an area of mixed residential and commercial properties

The Site is located within the Oxnard Plain of the Ventura Central Groundwater Basin, which is bounded by Pacific Ocean to the west and southwest, and the Transverse Range to the north and east. According to boring logs and cross section maps, the subsurface lithology of the Site consists of sand and silty sand to a depth of approximately 80 feet below ground surface (bgs).

A total of 23 groundwater monitoring wells (MW-1 through MW-23) have been installed onsite and offsite. Groundwater monitoring has been conducted since February 1997. Historically, up to 340,000 µg/L of total petroleum hydrocarbons as gasoline (TPH<sub>G</sub>), 18,000 µg/L of benzene, and 1,100,000 µg/L of methyl tertiary butyl ether (MTBE) were detected in the groundwater. On April 24, 2006, up to 120,000 µg/L of TPH<sub>G</sub>, 2,800 µg/L of benzene, and 550,000 µg/L of MTBE were detected in the groundwater. Depth to the groundwater was measured ranging from about 25 to 32 feet bgs, and the flow direction was toward the southwest.

Currently, a groundwater pump and treat system is operating at the site to remediate the groundwater plume beneath the Site.

On August 17, 2006, your consultant, Environ Strategy Consultants, Inc., (ES) submitted on your behalf a "Workplan to Install a Permeable Reactive Oxygen Barrier" (Workplan) to Ventura County Environmental Health Division (VCEHD). In the Workplan, ES proposed to install an *in situ* oxygen release compound (ORC) barrier downgradient of the Site to supplement the active groundwater remediation onsite. VCEHD approved the Workplan on November 13, 2006.

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USA Gasoline Corporation

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To avoid groundwater monitoring network reduction, data bias, and well screen clogging or alteration, no groundwater monitoring wells shall be used as injection points during the proposed ORC injection.

Based on our review, 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*" adopted by the State Water Resources Control Board on March 1, 2007.

Enclosed are your Waste Discharge Requirements, consisting of Regional Board Order No. R4-2007-0019, Monitoring and Reporting Program No. CI-9245, 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, please reference Compliance File No. CI-9245 to assure that the reports are directed to the appropriate staff. Do not combine other reports with your monitoring reports complying with Order No. R4-2007-0019. 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. A copy of the Order can also be found online 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 on Order No. R4-2007-0019, please contact Mr. Rodney Nelson at (213) 620-6119. Questions regarding the underground storage tank issues should be forwarded to VCEHD.

Sincerely,

Jonathan S. Bishop  
Executive Officer

Enclosures: 1. Board Order No. R4-2007-0019  
2. Monitoring and Reporting Program No. CI-9245  
3. Standard Provisions

cc: Yvonne Shank, State Water Resources Control Board, Underground Storage Tank  
Cleanup Fund  
Malia Cox, Ventura County Environmental Health Division  
Laura Skow, Environ Strategy Consultants, Inc.

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