



# California Regional Water Quality Control Board

## Los Angeles Region



Linda S. Adams  
Agency Secretary

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

March 15, 2010

Mr. Christer Loftenius  
Los Angeles Unified School District  
Office of Environmental Health and Safety  
333 South Beaudry Avenue, 27<sup>th</sup> Floor  
Los Angeles, CA 90017

**GENERAL WASTE DISCHARGE REQUIREMENTS (ORDER NO. R4-2007-0019 SERIES NO. 119, MRP NO. CI-9579), PILOT TEST TO EVALUATE IN-SITU CHEMICAL OXIDATION FOR GROUNDWATER CLEANUP - CENTRAL REGION ELEMENTARY SCHOOL #13, 3200 WEST WASHINGTON BOULEVARD, LOS ANGELES, CALIFORNIA (FILE NO. 09-192, DTSC SITE CODE 304490)**

Dear Mr. Loftenius:

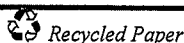
The Los Angeles Regional Water Quality Control Board (Regional Board) staff have completed the review of your application for coverage under our General Waste Discharge Requirements permit to conduct a pilot test for shallow groundwater remediation of petroleum hydrocarbons and volatile organic compounds using a proprietary mix of solid peroxides, pH buffer system, and nutrients, referred to as BIOX®. The contents of BIOX® are considered compounds covered under Regional Board Order R4-2007-0019 as materials allowed to be used for in-situ groundwater remediation.

The Department of Toxic Substances Control (DTSC) is the lead agency providing oversight for the assessment and remediation at the site and has approved the pilot test in a letter dated February 3, 2010. The Regional Board's involvement in the case is only for approval of the Waste Discharge Requirements (WDR) application and issuance of the WDR.

Chemicals of concern at the site include petroleum hydrocarbons present as gasoline-like formulation (TPH-g) and volatile organic compounds (VOCs) in the capillary fringe and shallow perched groundwater. Remedial activities include the excavation and removal of contaminated soil to a depth of approximately 45 feet below ground surface, followed by the overspray of BIOX® at the bottom of the excavation, prior to backfilling the excavation with clean soil. This one-time spray application, considered a pilot test, will address petroleum hydrocarbons and volatile organic compounds in the exposed shallow perched groundwater. The effectiveness of BIOX® will be evaluated under this pilot test to determine its use in future groundwater treatment at deeper groundwater zones using injection wells as a delivery method.

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 Regional Water Quality Control Board on March 1, 2007. This WDR shall not be rescinded until Regional Board staff determines the WDR is no longer needed for the site cleanup.

**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.*

Mr. Christer Loftenius  
Central Region Elementary School #13  
Los Angeles Unified School District

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March 15, 2010

Enclosed are your Waste Discharge Requirements consisting of General WDR Board Order No. R4-2007-0019 (Series 119), Monitoring and Reporting Program (MRP) No. CI-9579, and Standard Provisions Applicable to Waste Discharge Requirements.

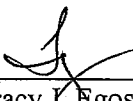
The Monitoring and Reporting Program requires you to implement the monitoring program on the effective date of this enrollment (March 11, 2010) under Regional Board Order No. R4-2007-0019. All monitoring reports shall be sent to the Regional Board, ATTN: Information Technology Unit. When you submit monitoring or technical reports to the Regional Board per these requirements, please include a reference to "Compliance File No. CI-9579", which will assure that the reports are directed to the appropriate staff and file. Do not combine other reports with your monitoring reports. Submit each type of report as a separate document.

Please submit written request for termination of your enrollment under the general permit in a separate letter, when your project has been completed and the permit is no longer needed to avoid paying future annual fees. Be aware that the annual fee covers the fiscal year billing period beginning July 1 and ending June 30, the following year. You will pay the full annual fee if your request for termination is made after the beginning of the new fiscal year beginning July 1.

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

**If you have any questions regarding this matter, please contact Dr. Angelica Castaneda, at (213) 576-6737, Mr. Adnan Siddiqui, Unit Chief, at (213) 576-6812 or Dr. Arthur Heath, Remediation Section Chief, at (213) 576-6725.**

Sincerely,

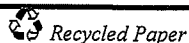
  
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Tracy J. Egoscue  
Executive Officer

Enclosures

1. Fact Sheet
2. General Waste Discharge Requirements, Order No. R4-2007-0019
3. Monitoring and Reporting Program CI No. 9579
4. Standard Provisions Applicable to Waste Discharge Requirements.

cc: Patrick Nejadian, Department of Public Health, County of Los Angeles  
Andrew Fowler, LAUSD  
Amit Pathak, Department of Toxic Substances Control, Cypress  
Pat Schanen, Los Angeles Unified School District  
Mehdi Bettahar, Parsons

***California Environmental Protection Agency***



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