

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
LOS ANGELES REGION**

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**REVISED MONITORING AND REPORTING PROGRAM NO. CI-10008  
FOR  
LOS ANGELES UNIFIED SCHOOL DISTRICT  
LOS ANGELES ACADEMY MIDDLE SCHOOL  
(File No. 13-141)**

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**I. REPORTING REQUIREMENTS**

The Los Angeles Unified School District (LAUSD, hereinafter "Discharger") shall implement this Monitoring and Reporting Program (MRP) at 644 East 56<sup>th</sup> Street, Los Angeles, California (Site) on the effective date (April 10, 2014) of Regional Board Order No. R4-2014-XXXX.

- A. The Discharger is required to submit a preliminary report including baseline and injection data, plus quarterly reports. The groundwater monitoring wells will be gauged and sampled and the results will be reported to the California Regional Water Quality Control Board, Los Angeles Region (Regional Board) under the MRP according to the following schedule:

<u>Monitoring Period</u>	<u>Report Due</u>
January – March	April 15
April – June	July 15
July – September	October 15
October – December	January 15

- B. If there is no discharge or injection during any reporting period, the report shall so state.
- C. The Discharger shall submit reports detailing the results of the remediation. The reports shall include an evaluation of the effectiveness of using Slow Release Substrate-Small Droplet (SRS-SD<sup>®</sup>) with the Dehalococcoides consortium and using EHC-L<sup>®</sup> with the Dehalococcoides consortium to remediate chlorinated volatile organic compound (VOC)-contaminated groundwater at the Site, the impact of any by-products on the receiving groundwater quality, and any other effects the *in-situ* treatment may have.
- D. The following shall be reported when wastes are transported to a different disposal site: type and quantity of wastes; name and address of the hauler (or method of transport if other than by hauling); and location of the final point(s) of disposal.

- E. Each monitoring report shall contain both tabular and graphical summaries of the monitoring data obtained during the monitoring period. In addition, the Discharger shall explain the compliance record and the corrective actions taken, or planned, which may be needed to bring the discharge into full compliance with the waste discharge requirements (WDRs).
- F. Laboratory analyses – all groundwater chemical laboratory analyses shall be conducted at a laboratory certified for such analyses by the California Department of Public Health Environmental Laboratory Accreditation Program (ELAP). A copy of the laboratory certification shall be provided each time a new and/or renewal certification is obtained from ELAP.
- G. The method limits (MLs) employed for effluent analyses shall be lower than the permit limits established for a given parameter, unless the Discharger can demonstrate that a particular ML is not attainable and obtains approval for a higher ML from the Executive Officer. The Discharger shall submit a list of the analytical methods employed for each test and the associated laboratory quality assurance/quality control (QA/QC) procedures upon request by the Regional Board.
- H. All QA/QC samples must be run on the same dates when samples were actually analyzed. The Discharger shall make available for inspection and/or submit the QA/QC documentation upon request by Regional Board staff. Proper chain of custody procedures must be followed and a copy of the chain of custody documentation shall be submitted with the report.
- I. Each monitoring report must affirm in writing that “All chemical analyses were conducted at a laboratory certified for such analyses by the California Department of Public Health, and in accordance with current United States Environmental Protection Agency (USEPA) guideline procedures or as specified in this Monitoring Program.” Proper chain of custody procedures must be followed and a copy of the completed chain of custody form shall be submitted with the report.
- J. Each monitoring report shall contain a separate section titled “Summary of Non-Compliance” which discusses the compliance record and the corrective actions taken or planned that may be needed to bring the discharge into full compliance with WDRs. This section shall be located at the front of the report and shall clearly list all non-compliance with WDRs, as well as all excursions of effluent limitations.
- K. For every item where the requirements are not met, the Discharger shall submit a statement of the cause(s), and actions undertaken or proposed which will bring the discharge into full compliance with waste discharge requirements at the earliest possible time, including a timetable for implementation of those actions.

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- L. The Discharger shall maintain all sampling and analytical results: date, exact place, and time of sampling; dates analyses were performed; analyst's name; analytical techniques used; and results of all analyses. Such records shall be retained for a minimum of three years. This period of retention shall be extended during the course of any unresolved litigation regarding this discharge, or when requested by the regional Board.
- M. In reporting the monitoring data, the Discharger shall arrange the data in tabular form so that the date, the constituents, and the concentrations are readily discernible. The data shall be summarized to demonstrate compliance with the requirements and, where applicable, shall include results of receiving water observations.
- N. Any mitigation/remedial activity including any pre-discharge treatment conducted at the Site must be reported in the quarterly monitoring report.

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**II. GROUNDWATER MONITORING PROGRAM**

The following groundwater wells will be included in the sampling program:

MW-6, MW-7, MW-8, MW-24, MW-29, MW-30, MW-31, and MW-32

Figure 1 shows the location of the Site. Groundwater wells locations at the Site are shown in Figure 2.

Baseline sampling will take place prior to injection. Upon completion of injection, samples will be collected quarterly until the termination of this WDR .

The required constituents to be analyzed is shown below:

<b>CONSTITUENT</b>	<b>UNITS<sup>1</sup></b>	<b>TYPE OF SAMPLE</b>	<b>MINIMUM FREQUENCY OF ANALYSIS</b>
<b>Field Meter Groundwater Testing</b>			
Total Daily Injections	Gallons	NA	Per injection at each injection point
Groundwater Elevation	Feet below ground surface (bgs)	Grab	Baseline, 1 month after injection, and quarterly thereafter
Dissolved Oxygen	mg/L	Grab	Baseline, 1 month after injection, and quarterly thereafter
Oxidation-Reduction Potential	mV	Grab	Baseline, 1 month after injection, and quarterly thereafter

CONSTITUENT	UNITS <sup>1</sup>	TYPE OF SAMPLE	MINIMUM FREQUENCY OF ANALYSIS
pH	pH units	Grab	Baseline, 1 month after injection, and quarterly thereafter
Temperature	°C	Grab	Baseline, 1 month after injection, and quarterly thereafter
Specific Conductance	µS/cm	Grab	Baseline, 1 month after injection, and quarterly thereafter
Turbidity	NTU	Grab	Baseline, 1 month after injection, and quarterly thereafter
<b>Laboratory Groundwater Analysis</b>			
VOCs (EPA Method 8260B)	µg/L	Grab	Baseline, 1 month after injection, and quarterly thereafter
Total Organic Carbon (EPA Method 415.1)	mg/L	Grab	Baseline, 1 month after injection, and quarterly thereafter
Total Dissolved Solids (EPA Method 160.1 or SM 2540C)	mg/L	Grab	Baseline, 1 month after injection, and quarterly thereafter
Volatile Fatty Acids (VFA) (AM23G)	mg/L	Grab	Baseline, 1 month after injection, and quarterly thereafter
Boron (EPA Method 6010B)	mg/L	Grab	Baseline, 1 month after injection, and quarterly thereafter
Ferrous Iron (SM 3500)	mg/L	Grab	Baseline, 1 month after injection, and quarterly thereafter
Manganese (EPA Method 6010B)	mg/L	Grab	Baseline, 1 month after injection, and quarterly thereafter
Sulfate (EPA Method 300.0)	mg/L	Grab	Baseline, 1 month after injection, and quarterly thereafter
Chloride (EPA Method 300.0)	mg/L	Grab	Baseline, 1 month after injection, and quarterly thereafter
Nitrate and Nitrite (EPA Method 300.0)	mg/L	Grab	Baseline, 1 month after injection, and quarterly thereafter
Dissolved Hydrocarbon Gases (ethane, ethane, and methane) (AM20GAX)	mg/L	Grab	Baseline, 1 month after injection, and quarterly thereafter
<i>Dehalococcoides</i> species	cells/mL	Grab	Baseline, 1 month after injection, and quarterly thereafter

<sup>1</sup> mg/L: milligrams per liter; µg/L: micrograms per liter; µS/cm: microsiemens per centimeter; mV: milivolts; °C: degree Celsius; NTU: nephelometric turbidity units

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All groundwater monitoring reports must include, at minimum, the following:

- a. Well identification, date and time of sampling;
- b. Sampler identification, and laboratory identification; and
- c. Semi-annual observation of groundwater levels, recorded to 0.01 feet mean sea level and groundwater flow direction.

**III. AMENDMENT AND BACTERIA CULTURE INJECTION MONITORING REQUIREMENTS**

The reports shall contain the following information regarding injection activities:

1. Depth of injection points;
2. Quantities of injected amendment, selected bacteria culture, and total fluids each field day and per injection point; and
3. Total amounts of amendment, selected bacteria culture, tracer, and total fluids injected in the reporting period.

**IV. MONITORING FREQUENCIES**

Specifications in this monitoring program are subject to periodic revisions. Monitoring requirements may be modified or revised by the Executive Officer based on review of monitoring data submitted pursuant to this Order. Monitoring frequencies may be adjusted to a less frequent basis or parameters and locations removed by the Executive Officer if the Discharger makes a request and the request is supported by statistical trends of monitoring data submitted.

**V. CERTIFICATION STATEMENT**

Each report shall contain the following completed declaration:

"I certify under penalty of law that this document, including all attachments and supplemental information, was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment.

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Executed on the \_\_\_\_ day of \_\_\_\_\_ at \_\_\_\_\_

\_\_\_\_\_ (Signature)

\_\_\_\_\_ (Title)"

**VI. ELECTRONIC SUBMITTAL OF INFORMATION (ESI) TO GEOTRACKER**

The Discharger shall comply with the Electronic Submittal of information (ESI) requirements by submitting all reports required under the MRP, including groundwater monitoring data and discharge location data (latitude and longitude), correspondence, and pdf monitoring reports to the State Water Resources Control Board GeoTracker database under Global ID WDR100014749.

All records and reports submitted in compliance with this Order are public documents and will be made available for inspection during business hours at the office of the California Regional Water Quality Control Board, Los Angeles Region, upon request by interested parties. Only proprietary information, and only at the request of the Discharger, will be treated as confidential.

Ordered by: \_\_\_\_\_  
Samuel Unger, P.E.  
Executive Officer

Date: April 10, 2014

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