

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

**MONITORING AND REPORTING PROGRAM NO. CI- 8596
FOR
BP CHEMICALS (now GROUP ENVIRONMENTAL MANAGEMENT COMPANY)
1600 WEST 135TH STREET REMEDIATION PROJECT
GARDENA, CALIFORNIA**

**ENROLLMENT UNDER REGIONAL BOARD ORDER NO. R4-2002-0030
(Series No. 026)
FILE NO. 03-066**

BP Chemical/Group Environmental Management Company (hereinafter Discharger) shall implement this monitoring and reporting program on the effective date of this Order.

I. GROUNDWATER MONITORING PROGRAM

Immediately following installation of the permeable reactive barrier (PRB), groundwater elevations and groundwater samples will be taken from the three (3) upgradient and nine (9) downgradient monitoring wells (see attached Figure B-1 for monitoring well locations). The required constituents to be analyzed, methods to be used and the monitoring schedule are as indicated in Table 1.

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

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

II. IRON INJECTION MONITORING REQUIREMENTS

The report shall contain the following information regarding injection activities:

1. Depth of injections;
2. Quantity of iron filings injected and dates injected
3. Total amount of iron filings injected.

III. REPORTING REQUIREMENTS

The first monitoring report under this Program is due by October 15, 2003. This monitoring and reporting program may be adjusted depending on the completion of construction of the PRB. In any event, the first monitoring report shall be due no later than within 60 days of completion of the first quarterly sampling event following PRB construction.

The groundwater monitoring wells will be gauged, sampled, and results reported to the Regional Water Quality Control Board (Regional Board) under the Monitoring and Reporting Program for the General Waste Discharge Requirements according to the following schedule:

Reporting Period	Sampling Month(s)	Report Due Date
September (baseline) 2003	September (baseline)	October 31, 2003
October 2003 - December 2003	December	January 31, 2004
January 2004 –March 2004	March	April 30, 2004
April 2004 – June 2004	June	July 31, 2004
July 2004 – September 2004	September	October 31, 2004
October 2004 - December 2004	December	January 31, 2005
January 2005 – March 2005	March	April 30, 2005

If there is no injection, during any reporting period, the report shall so state. Monitoring reports must be addressed to the Regional Board, Attention: Information Technology Unit.

The Discharger shall comply with requirements contained in Section G. of Order No. R4-2002-0030 “Monitoring and Reporting Requirements” in addition to the aforementioned requirements.

A technical report documenting the effectiveness of the Pilot Test program shall be submitted and reviewed by Regional Board staff prior to expanding the cleanup program. The technical report is to contain all data generated and materials used during the Pilot Test. The technical report is also to include an evaluation of the cleanup technology and any modifications to the injection and monitoring system, which may be needed for full scale operation. The technical report shall contain the locations, number, and depths of additional injection points, and the locations of multi-depth groundwater monitoring wells required for monitoring the upgradient area, source area, and downgradient of the source area, for full scale operation of the cleanup plan.

Prior to full scale operation of the cleanup plan, these Waste Discharge Requirements will need to be revised to incorporate the additional injection points and monitoring locations necessary for full scale cleanup.

IV. 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 for gathering the information, the information submitted is, to the best of my 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.

Executed on the ____ day of _____ at _____.

_____(Signature)

_____(Title)''

V. 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 dropped by the Executive Officer if the Discharger makes a request and the request is backed by statistical trends of monitoring data submitted.

These records and reports are public documents and shall be made available for inspection during normal business hours at the office of the California Regional Water Quality Control Board, Los Angeles Region.

Ordered by: _____
Dennis A. Dickerson
Executive Officer

Date: _____