

California Regional Water Quality Control Board
North Coast Region

MONITORING AND REPORTING PROGRAM NO R1-2004-0018

For

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and
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Sonoma County

MONITORING AND SAMPLING

1. Monitoring wells MW-1, MW-2, MW-4, MW-5 and MW-6 shall be sampled within one month prior to the startup of treatment system to confirm baseline and background groundwater characteristics that may be affected by the treatment process.
2. Groundwater samples shall be analyzed for the following: oxidation-reduction potential, pH, temperature, dissolved oxygen, nitrate, nitrite, ammonia nitrogen, total phosphate, total petroleum hydrocarbons as gasoline, total petroleum hydrocarbons as diesel, benzene, toluene, ethyl benzene, xylenes, tertiary butyl alcohol, and methyl tertiary butyl ether.
3. All groundwater analyses shall be performed at laboratory certified for those analyses by the California Department of Health Services.
4. Each groundwater monitoring well shall be sampled and analyzed quarterly.
5. The depth to groundwater shall be measured to nearest 0.01-foot increment in each monitoring well within one month prior to the system startup. Thereafter, the depth to groundwater shall be measured quarterly. The results shall be reported in tabular form indicating the surveyed elevation of each well reference point, depth to groundwater from the reference point and the actual groundwater elevation. The data generated from the elevation readings shall be referenced to mean sea level. Groundwater elevation contour maps shall be prepared for each monitoring event showing the direction of groundwater flow.

REPORTING

1. Quarterly monitoring reports shall be submitted to the Regional Water Board summarizing all monitoring data collected for two years subsequent to the operation of the groundwater treatment system in accordance with the following schedule, beginning on April 30, 2004, and continuing until January 31, 2007:

<u>Reporting Period</u>	<u>Due Date</u>
January, February, March	April 30
April May, June	July 31
July, August, September	October 31
October, November, December	January 31

2. Each quarterly monitoring report shall summarize the operational status of the treatment system for the previous quarter, including the times of operation and non-operation, the frequency and amount of chemical injections, and maintenance activities performed.
3. Each quarterly monitoring report shall include the following information:
 - Laboratory reports for the most recent sampling event(s); chain-of-custody documentation;
 - Field notes for the purging and sampling of groundwater monitoring wells.
 - A table of the historical groundwater analytical data for each monitoring well.
4. After each year of operation, the discharger shall include an effectiveness evaluation for the groundwater treatment system in the subsequent quarterly monitoring report.
5. Monitoring data shall also be submitted electronically to the State Water Resources Control Board's Geographic Environmental Information Management System database (GeoTracker) as required by Title 23, Division 3, Chapter 16, Article 12 of the California Code of Regulations (i.e., AB2886 electronic reporting requirements)¹.

Ordered by _____

Catherine E. Kuhlman
Executive Officer
February 20, 2004

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¹ Information on AB2886 electronic reporting can be obtained on the Internet by following the AB2886 link on the GeoTracker home page at <http://geotracker.swrcb.ca.gov/>, or by contacting Regional Board staff