

California Regional Water Quality Control Board
North Coast Region

Monitoring and Reporting Program No. R1-2005-0030

For

Atlantic Richfield Company
626 Broadway
Eureka, California

Humboldt County

MONITORING

1. The presence of floating product shall be evaluated in each monitoring well quarterly. If detected, the thickness shall be measured to at least 0.01 foot increments quarterly.
2. The depth to groundwater in each monitoring well shall be determined to at least 0.01 foot increments quarterly. The results of each quarter's elevation shall be reported in tabular form indicating the surveyed elevations of each well reference point, depth to groundwater from reference point, and the actual groundwater elevation. The data generated from the elevation readings must be referenced to mean sea level.
3. Each monitoring well shall be sampled quarterly for Total Petroleum Hydrocarbons as gasoline (TPH-G), Total Petroleum Hydrocarbons as diesel (TPH-D), Total Petroleum Hydrocarbons as motor oil (TPH-MO), benzene, toluene, ethylbenzene, xylene (collectively identified as BTEX), and lead. The analyses shall be performed at a certified laboratory.
4. All newly installed monitoring wells will be sampled quarterly for the contaminants applicable to the area of well installation.

REPORTING

A groundwater elevation contour map shall be submitted for each quarterly set of measurements and include the facility, groundwater flow pattern including the direction of the groundwater gradient, and the location of the wells measured. Quarterly monitoring reports, including quarterly gradient data and sampling data, shall be submitted to this office in accordance with the following schedule:

Reporting Period

Due Date

January, February, March
April, May, June
July, August, September
October, November, December

April 30
July 30
October 30
January 30

Ordered by _____

Catherine E. Kuhlman
Executive Officer
April 29, 2005