

California Regional Water Quality Control Board  
North Coast Region

Monitoring and Reporting Program No. R1-2004-0058  
(Replaces Monitoring and Reporting Program No. R1-2003-113)

For

Pierson Lumber Company  
4100 Broadway  
Eureka, California

Humboldt County

**Underground Storage Tank Area Corrective Action  
BioJet<sup>®</sup> Injection Treatment System**

**Monitoring**

1. The depth to groundwater shall be determined prior to each sampling event to at least 0.01-foot increments in monitoring wells MW-101 through MW-107.
2. Groundwater samples shall be collected once after each BioJet<sup>®</sup> injection from monitoring wells MW-101 through MW-107 and analyzed for the following parameters:
  - ❖ Full-range EPA Method 8260B
  - ❖ Microbial enumeration
  - ❖ Total organic carbon
  - ❖ Nitrite
  - ❖ Nitrate as nitrogen
  - ❖ Ammonia
  - ❖ Potassium
  - ❖ Phosphate
  - ❖ Dissolved iron
  - ❖ dissolved oxygen
  - ❖ oxidation reduction potential
3. Groundwater samples shall be collected quarterly from monitoring wells MW-101 through MW-107 and analyzed for the following parameters:
  - ❖ pH
  - ❖ temperature
  - ❖ conductivity
  - ❖ total petroleum hydrocarbons as gasoline
  - ❖ total petroleum hydrocarbons as paint thinner
  - ❖ total petroleum hydrocarbons as diesel

### Reporting

1. A scaled groundwater elevation contour map shall be submitted for each set of measurements depicting the facility, groundwater flow pattern, gradient, and the location of the wells measured.
2. The results of each elevation shall be reported in tabular form indicating the surveyed elevations of each well reference point, depth to groundwater from reference point, and the items 2 and 3 above shall be presented in tabular form. Data tables shall include all current and historic data for the areas being evaluated.
3. Quarterly monitoring reports, including groundwater gradient maps and data tables, shall be submitted to this office in accordance with the following schedule:

**Reporting Period**

May, June, July

August, September, October

November, December, January

February, March, April

**Due Date**

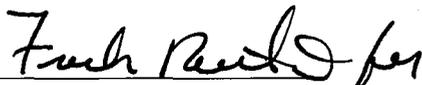
August 15

November 15

February 15

May 15

4. All monitoring reports submitted to the Regional Water Board staff shall include a qualitative analysis of the data presented, changes in the data, and substantiated recommendations for the following monitoring period. Each fourth quarter monitoring report shall also include correlation to seasonal groundwater variations, an evaluation of plume migratory/remediation status, and a graphic presentation of data for each parameter of significance.
5. Monitoring data shall also be submitted electronically to the State Water Resources Control Board's Geographic Environmental Information Management System Database (GeoTracker).

Ordered by   
Catherine E. Kuhlman  
Executive Officer

June 29, 2004