

California Regional Water Quality Control Board
North Coast Region

Monitoring and Reporting Program No. R1-2004-0026

for

Darryl Lovaas
Lovaas Property
1265 Second Street
Crescent City, CA

Del Norte 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.
2. The depth to groundwater in all monitoring wells shall be determined to at least 0.01 foot increments quarterly. The results of each quarter's groundwater 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. All monitoring wells shall be sampled quarterly. The analyses shall be performed at a laboratory certified by the Department of Health Services. All groundwater samples shall be analyzed for:
 - Total petroleum hydrocarbons as diesel, motor oil and gasoline
 - Benzene, Toluene, Ethylbenzene and total Xylenes (BTEX)
 - Dissolved iron, biochemical oxygen demand, chemical oxygen demand and dissolved manganese for samples from treatment area wells only
 - Field measurements shall include temperature, dissolved oxygen, dissolved carbon dioxide, pH, oxidation/reduction potential, and conductivity.

REPORTING

Reports shall include:

- groundwater elevation contour maps;
- direction of the groundwater gradient;
- locations of wells monitored;
- constituents and analytical results;
- chain of custody documents showing the:
 - time and date of the sample collected
 - name of the person collecting the samples
- signed laboratory sheets including quality control data and explanations of analytical anomalies, if any. These supporting documents may be included as appendices to the report;
- interpretations of the data and a tabular summary of past analytical results.

Quarterly monitoring reports shall be submitted to this office in accordance with the following schedule:

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

Ordered by Catherine Kuhlman
Catherine E. Kuhlman
Executive Officer

March 22, 2004