

California Regional Water Quality Control Board
North Coast Region

Monitoring and Reporting Program NO. R1-2008-0076
(Replaces Monitoring and Reporting Program No. R1-2005-0108)
For

Cross Petroleum
and
Perry Pahlmeyer

1240 South Main Street
Yreka, California

Siskiyou County

This Monitoring and Reporting Program (MRP) is issued pursuant to California Water Code Section (CWC) 13267(b) and requires monitoring of groundwater and submission of technical reports. Reports are required on a semiannual basis. The objective of monitoring conducted under this monitoring program is to provide the Discharger and the Regional Water Board with information concerning groundwater quality and contaminant trends at the site.

Under the authority of CWC Section 13267, the Discharger named above is required to comply with the following:

MONITORING

1. The presence of floating product shall be evaluated in each monitoring well semiannually. If detected, the thickness shall be measured to at least 0.01 foot increments semiannually.
2. The depth to groundwater in each monitoring well shall be determined to at least 0.01 foot increments semiannually. The results of each event'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. Monitoring wells shall be sampled according schedule shown on the table below. The analysis shall be performed at a certified laboratory for Total Petroleum Hydrocarbons as gasoline (TPH-G), Total Petroleum Hydrocarbons as diesel (TPH-

D), benzene, toluene, ethylbenzene, xylene (collectively as BTEX), and volatile organic compounds (VOC) by EPA Method 8260, extended list.

WELL	SEASONAL HIGH GROUNDWATER	SEASONAL LOW GROUNDWATER
MW-1	VOC	
MW-2	TPH-G, TPH-D, BTEX, VOC	TPH-G, TPH-D, BTEX, VOC
MW-6	TPH-G, BTEX, VOC	TPH-G, BTEX, VOC
MW-8	VOC	VOC

- The monitoring wells used to monitor the ozone remediation system (MW-1, MW-2, MW-4, MW-5 and MW-6) shall also be sampled prior to the beginning of ozone injection, each month after ozone injection begins for the first two quarters, and quarterly thereafter. Groundwater samples shall be analyzed for the following parameters: dissolved oxygen, oxygen reduction potential (ORP), temperature, pH, bromide, bromate, dissolved hexavalent chromium, dissolved vanadium, dissolved selenium, and dissolved molybdenum. The dissolved oxygen, ORP, temperature, and pH shall be measured in the field. The laboratory reporting limit for hexavalent chromium shall be no higher than 5 ug/l and the laboratory reporting limit for bromate shall be no higher than 10 ug/l.
- 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 semiannual set of measurements and include the facility, groundwater flow pattern including the direction of the groundwater gradient, and the location of the wells measured. Semiannual monitoring reports, including gradient data and sampling data, shall be submitted to this office in accordance with the following schedule:

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

All data and reports shall be electronically submitted in the proper format to the State Water Resources Control Board's GeoTracker database.

Ordered by _____
 Catherine E. Kuhlman
 Executive Officer

June 11, 2008