

California Regional Water Quality Control Board  
North Coast Region

MONITORING AND REPORTING PROGRAM NO. R1-2003-0074  
Revising Monitoring and Reporting Program NO. R1-2002-0075

FOR

CHEVRON PRODUCTS COMPANY,  
ERNEST VILLEGAS  
RINEHART DISTRIBUTING, INC.  
AND  
REDWOOD OIL COMPANY

CHEVRON No. 9-1240  
998 SOUTH STATE STREET  
UKIAH, CA  
CASE NO. 1TMC007

Mendocino County

**MONITORING**

1. Monitoring wells (MWs) shall be checked for the presence or absence of free product prior to the collection of the groundwater sample. If free product is present, all surrounding MWs shall also be checked for free product and the thickness shall be measured to at least 0.01 foot increments.
2. The depth to groundwater in MWs 1, 2, 3, 4, 5, 6, 9, 10, 11, 12, 13, 14, 17, 19, 23, TB-1 and RTW shall be determined to at least 0.01 foot increments, prior to purging, on a quarterly basis. The data generated from the elevation readings must be referenced to mean sea level.
3. The depth to groundwater in MW's 7, 15, 16, 18, 21, 29 and 30 shall be determined to at least 0.01 foot increments, prior to purging, on an annual basis. The data generated from the elevation readings must be referenced to mean sea level.

**SAMPLING**

1. Quarterly groundwater samples shall be collected from MWs 1, 2, 3, 4, 5, 10, 12, 13 and TB-1.
2. Semiannual groundwater samples shall be collected from MWs 6, 8, 9, 11, 14, 17, 19, 22, 23 and RTW.
3. Annual groundwater samples shall be collected from MW's 7, 15, 16, 18, 21, 29 and 30.

**LABORATORY ANALYSIS**

1. All testing shall be performed at a laboratory certified by the California Department of Health Services.
2. All groundwater samples shall be analyzed for:
  - a) TPH as gasoline
  - b) TPH as diesel
  - c) BTEX
  - d) Oxygenates. The oxygenate testing shall be performed using EPA test method 8260 modified and shall include the complete spectrum of constituents specified by this test method with the addition of MtBE, TBA, DIPE, ETBE and TAME.
3. In addition to the constituents listed in item 2 above, groundwater samples collected from MWs 2, 4, and 11 shall also be analyzed for:
  - a) 1,2 Dichloroethane.

## REPORTING

1. A groundwater elevation contour map shall be submitted for the most recent set of measurements and shall include the:
  - a) groundwater elevation contours
  - b) location of facilities
  - c) location of the monitoring wells
  - d) location of the former and current underground tanks, and aboveground tanks,
  - e) location of underground utility lines
  - f) current groundwater flow pattern including the direction of the groundwater gradient
  - g) historical groundwater flow directions for the four previous monitoring events.
  
2. A concentration isogram map shall be submitted for each constituent of concern detected during each sampling event and shall include the:
  - a) lines of equal constituent concentrations
  - b) location of facilities
  - c) location of the monitoring wells
  - d) location of the former and current underground tanks and aboveground tanks,
  - e) location of underground utility lines.
  
3. Current and previous analytical results shall be reported in tables which include the following:
  - a) monitoring well sampled
  - b) sample collection date
  - c) thickness of any floating product
  - d) constituents and analytical results
  - e) method detection limits employed.
  
4. The table of all past analytical results shall be incorporated with the current results.
  
5. Each report shall also contain copies of the:
  - a) chain of custody documents showing the:
    - i) time and date of the sample collected
    - ii) name of the person collecting the samples
  - b) 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.
  
6. Monitoring reports shall be submitted to this office in accordance with the following schedule:

<u>Sampling Period</u>	<u>Report Due</u>
January, February, March	April 15
April, May, June	July 15
July, August, September	October 15
October, November, December	January 15

Ordered by \_\_\_\_\_  
Susan A. Warner  
Executive Officer

June 10, 2003