

California Regional Water Quality Control Board
North Coast Region

MONITORING AND REPORTING PROGRAM NO. R1-2009-0069
(Rescinding and Replacing Monitoring and Reporting Program No. R1-2003-0074)

FOR

Chevron Environmental Management Company
Rinehart Distributing, Inc
Mr. Mahmood and Mrs. Farah Alam
Redwood Coast Petroleum, Inc.
Peter C. Van Alyea Trust
Peggy R. Van Alyea 1998 Trust

Chevron #9-1240/Ernies
998 South State Street, Ukiah
Case No-1TMC007

And

O'Hair & Redwood Oil/Chevron USA
100 Observatory Road, Ukiah,
Case No- 1TMC067

Sonoma 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 Dischargers and the Regional Water Board with information concerning groundwater quality and contaminant trends at the site.

Under the authority of CWC section 13267, the Dischargers named above are required to comply with the following:

MONITORING

1. Prior to purging, the depth to groundwater shall be determined to at least 0.01 foot increments in all groundwater monitoring wells semiannually. The data generated from the elevation readings must be referenced to the same elevation datum used for the electronic GeoTracker survey values.
2. Water samples shall be collected for analysis from groundwater monitoring wells associated with both sites on a semiannual basis during the second and fourth quarters of the year.
3. The water samples collected per Monitoring Item 2 above shall be analyzed for TPH-Gasoline, TPH-Diesel (with silica gel cleanup), Benzene, Toluene, Ethylbenzene, Xylenes, and the fuel oxygenates Methyl-t-Butyl Ether (MTBE),

Tert-Butyl Alcohol (TBA), Diisopropyl Ether (DIPE), Ethyl-t-Butyl Ether (ETBE) and Tert-Amyl-Methyl Ether (TAME). MW-23 shall additionally be monitored for naphthalene. EPA Method 8260 shall be used for analysis of the fuel oxygenates and naphthalene. Measurements for free product thickness shall also be collected from each groundwater monitoring well, prior to sample collection.

4. All laboratory analyses shall be performed at a laboratory certified by the California Department of Health Services. Analytical methods for sample analyses shall achieve practical quantification reporting limits that are adequate for evaluating regulatory action levels for each constituent.

REPORTING

1. Semiannual monitoring reports shall be submitted to the Regional Water Board in accordance with the following schedule:

<u>Quarter</u>	<u>Reporting Period</u>	<u>Due Date</u>
2	April, May, June	August 1
4	October, November, December	February 1

2. A groundwater elevation contour map shall be included for each set of measurements and shall include the following:
 - a.) location of the facilities;
 - b.) location of the monitoring wells with elevation measurements shown for each well;
 - c.) location of former and current underground and above ground tanks and dispenser islands; and
 - d.) groundwater flow pattern including the direction of the groundwater gradient.
3. A contamination isogram map shall be included for each significant pollutant detected during the monitoring events and shall include the following:
 - a.) location of the facilities;
 - b.) location of the monitoring wells with groundwater contaminant concentrations shown for each well; and
 - c.) location of the former and current underground and aboveground tanks and dispenser islands.
4. Current and previous analytical results shall be reported in tables which include the following:
 - a.) sampling point;
 - b.) date of sample collection;
 - c.) constituents and analytical results;
 - d.) quantification limits employed for non-detect analytical results;
 - e.) analytical method;
 - f.) depth to water measurements; and
 - g.) free product thickness.

5. The table of all past analytical results, including destroyed monitoring wells, shall be incorporated with the current results.
6. Each report shall contain copies of the well purging and sampling field logs; chain of custody documents showing the time and date of sample collection, and field sampling technician; and 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.
7. Monitoring reports shall be prepared by or under the supervision of a California Registered Engineer or Geologist.
8. The monitoring reports and monitoring data shall also be submitted electronically to the State Water Resources Control Board's GeoTracker database as required by Title 23, Division 3, Chapter 30 of the California Code of Regulations.

Ordered by _____
Catherine Kuhlman
Executive Officer

July 30, 2009