

California Regional Water Quality Control Board  
North Coast Region

MONITORING AND REPORTING PROGRAM NO. R1-2011-0064  
(Replaces Monitoring and Reporting Program No. 94-91)

for

Chevron Service Station 9-1148  
816 Main Street  
Weaverville, California

Trinity County

**MONITORING**

1. Prior to purging and sampling, the depth to groundwater shall be determined to at least 0.01 foot increments in all groundwater monitoring wells semi-annually, during the second and fourth quarters of each year. The data generated from the elevation readings must be referenced to mean sea level.
2. Groundwater samples shall be collected for analysis on a semi-annual basis from monitoring wells MW-1, MW-4, MW-8, MW-9, MW-11, MW-12 and recovery well RW-1. Groundwater samples shall be collected for analysis on an annual basis (second quarter) from monitoring wells MW-2, MW-3, MW-5, MW-13 and MW-14.
3. The groundwater samples shall be analyzed for total petroleum hydrocarbons as gasoline (TPH-g), petroleum hydrocarbons as diesel (TPH-d), benzene, toluene, ethylbenzene, and xylenes (BTEX), and fuel oxygenate compounds methyl tertiary-butyl ether, tert-butyl alcohol, di-isopropyl ether, ethyl tert-butyl ether, and tert-amyl methyl ether. Water quality parameters temperature, pH, conductivity, dissolved oxygen and oxidation/reduction potential shall also be measured.
4. All laboratory analyses shall be performed at a laboratory certified by the California Department of Health Services.

**REPORTING**

1. Semi-annual monitoring reports shall be submitted to this office in accordance with the following schedule:

<b><u>Reporting Period</u></b>	<b><u>Due Date</u></b>
April, May, June (2 <sup>nd</sup> quarter)	August 1
October, November, December (4 <sup>th</sup> quarter)	February 1

2. A groundwater elevation contour map shall be included for each set of measurements and shall include the following:
  - a) location of onsite facilities;
  - b) location of the monitoring wells;
  - c) location of the former underground tanks; 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; and
  - c) location of the former underground tanks.
  
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; and
  - d) quantification limits employed for non-detect analytical results.
  
5. Each report shall contain copies of the well purging and sampling field logs; chain of custody documents showing the time and date of collection and person collecting; 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.
  
6. Monitoring data and reports shall also be submitted electronically to the State Water Resources Control Board's GeoTracker database.

Ordered by \_\_\_\_\_

Catherine Kuhlman  
Executive Officer

May 24, 2011