

California Regional Water Quality Control Board
North Coast Region

MONITORING AND REPORTING PROGRAM ORDER NO. R1-2012-0042

FOR

REDWOOD OIL COMPANY
TEXACO WILLITS SOUTH
781 South Main Street
Willits, California
Case No. 1TMC304

Mendocino County

This Monitoring and Reporting Program is issued pursuant to California Water Code Section 13267(b) and requires monitoring of groundwater and submission of technical reports. Reports are required on a semiannual basis. All monitoring reports shall be submitted to the Regional Water Board in accordance with the reporting schedule. 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:

Groundwater Monitoring

1. The presence of floating product shall be evaluated in extraction well EX-1 semiannually in June and December. 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 during the June and December events. The results of each effort's elevation measurement shall be reported in tabular form indicating the surveyed elevations of each well reference point, depth to groundwater from the reference point, and the actual groundwater elevation. The data generated from the elevation readings must be referenced to mean sea level.
3. Groundwater samples shall be collected from each monitoring well specified in Table 1 (attached). Table 1 lists the frequency of sampling, and the constituents to be analyzed. Prior to sampling, the well shall be properly purged. Purging, sampling and decontamination protocols, and field sampling logs shall be submitted. Logs shall include equilibrium measurements and other pertinent information.

4. All investigation-derived waste (IDW) will be controlled and disposed of in a fashion consistent with California laws and regulations. Documentation regarding IDW disposal shall accompany each semi-annual monitoring report.
5. All implemented work shall be done under the direct supervision of a California-licensed Registered Civil Engineer or Professional Geologist with demonstrated experience in the implementation of monitoring and reporting program orders required by the California Regional Water Board.

Reporting

A groundwater elevation contour map shall be submitted semiannually with the set of water-level 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>
June	July 15
December	January 15

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

Each report shall contain copies of the chain of custody including the date and time of sample collection, the name of the person collecting the samples, and the signed laboratory sheets including QA/QC. All laboratory analyses must be performed by a laboratory certified for those analyses by the State of California Department of Health Services.

Ordered by _____
Catherine Kuhlman
Executive Officer

March 6, 2012

Table 1

Well No.	Frequency	Sampling Constituents*
MW-1	Annual	Fuel oxygenates
MW-2	Semiannual	TPH Gas, fuel oxygenates
MW-3	Annual	Fuel oxygenates
MW-4	Annual	TPH Gas, fuel oxygenates
MW-6	Annual	TPH Gas, fuel oxygenates
EX-1	Semiannual	TPH Gas, fuel oxygenates
EX-2	Semiannual	
EX-3	Semiannual	TPH G, fuel oxygenates
31 Oak Street Well**	Annual	TPH Gas, fuel oxygenates

*TPH Gas by Method 8015M
Fuel oxygenates by EPA Method 8260B

** The well at 31 Oak Street shall be sampled in June.