

California Regional Water Quality Control Board  
North Coast Region

MONITORING AND REPORTING PROGRAM ORDER NO. R1-2008-0016

FOR

CONOCOPHILLIPS

UNOCAL #4320 (FORMER)  
370 SEBASTOPOL ROAD  
SANTA ROSA, CALIFORNIA

Sonoma County

MONITORING

1. Groundwater monitoring activities shall take place on a semi-annual basis during the first and third quarters in monitoring wells MW-3, MW-4, MW-5, MW-6, MW-10, MW-11, MW-13, and MW-14.
2. The depth to groundwater in monitoring wells shall be determined to at least 0.01 foot increments, prior to purging, during each monitoring event. The data generated from the elevations readings must be referenced to mean sea level.
3. Biodegradation parameters shall be collected in the field and recorded for dissolved oxygen, oxidation reduction potential, pH, temperature, and specific conductivity.
4. All samples collected shall be analyzed by a State of California certified laboratory for total petroleum hydrocarbons as gasoline (TPH-g), benzene, toluene, ethylbenzene, xylenes, methyl tertiary butyl ether, tertiary butyl alcohol, alkalinity, heterotrophic plate count, nitrate and sulfate.

REPORTING

5. Monitoring reports shall be submitted on a semi-annual frequency and prepared by or under the supervision of a California Registered Engineer or Geologist. Monitoring reports shall be submitted to this office in accordance with the following schedule:

<u>Reporting Period</u>	<u>Report Due</u>
First Quarter: January, February, March	April 30
Third Quarter: July, August, September	October 30

6. The following maps shall be submitted with each monitoring report:
  - A map of the facility showing the groundwater flow pattern, including the direction of the groundwater gradient and the location of all monitoring wells, and
  - A map of the facility showing the chemical distribution of each chemical of significance reported.

7. The results of each monitoring event's elevation shall be reported in tabular form indicating the surveyed elevations of each reference point, depth to groundwater from the reference point, and the actual groundwater elevation.
8. Sampling analytical and monitoring data from each monitoring event shall be summarized in tabular form, including all previously generated sampling data.
9. Each report shall contain copies of the field logs for biodegradation parameters, field instrument calibration records and protocols, well purging and sampling field logs; chain of custody documents; and signed laboratory sheets including quality control data and explanation of analytical anomalies, if any. These supporting documents may be included as appendices to the report.
10. All monitoring reports, data, and depth to groundwater measurements shall also be submitted electronically to the State Water Resources Control Board's Geographical Environmental Information Management System database (GeoTracker) as required by Title 23, Division 3, Chapter 16, Article 12 of the California Code of Regulations (i.e., AB2886 electronic reporting requirements)<sup>1</sup>

Ordered by

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Robert R. Klamt  
Interim Executive Officer

January 30, 2008

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<sup>1</sup> Information of AB2886 electronic reporting can be obtained on the Internet by following the Electronic Submittal of Information link on the GeoTracker home page at <http://geotracker.waterboards.ca.gov>