

California Regional Water Quality Control Board
North Coast Region

MONITORING AND REPORTING PROGRAM
ORDER NO. R1-2006-0015

FOR

CONOCOPHILLIPS COMPANY

UNOCAL 76/TOSCO #2211
225 NORTH MAIN STREET
FORT BRAGG, CALIFORNIA

CASE NO. 1TMC412

Mendocino County

MONITORING

1. Prior to purging, the depth to groundwater shall be determined to at least 0.01 foot increments in all groundwater monitoring wells quarterly. 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 on a quarterly schedule from all groundwater monitoring wells associated with the site.
3. The water samples collected per Monitoring item 2 shall be analyzed for TPH-g, TPH-d, BTEX, MTBE, and TBA. EPA method 8260 shall be used for MTBE and TBA analysis of these samples.
4. Groundwater samples from the monitoring wells used to monitor the ozone remediation system (monitoring wells MW-5, MW-8, and MW-9) shall also be collected prior to the beginning of ozone injection, monthly for the first three months after ozone injection begins, and quarterly thereafter for analysis for the following parameters: dissolved oxygen; ORP; temperature; pH; bromide; bromate; dissolved hexavalent chromium; dissolved vanadium; dissolved selenium; and dissolved molybdenum. The dissolved oxygen, ORP, temperature, and pH shall be measured in the field. The laboratory reporting limit for hexavalent chromium should be no higher than 5 µg/L and the laboratory reporting limit for bromate should be no higher than 10 µg/L.
5. All laboratory analyses shall be performed at a laboratory certified by the California Department of Health Services.

REPORTING

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

Reporting Period

Due Date

January, February, March
April, May, June
July, August, September
October, November, December

May 1
August 1
November 1
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;
 - 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. All current and previous remedial system operation and maintenance activities shall be reported in the monitoring reports.
6. 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.
7. 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

February 16, 2006