

California Regional Water Quality Control Board
North Coast Region

Monitoring and Reporting Program No. R1-2003-0106
(Replaces Monitoring and Reporting Program No. 92-141)

FOR

WINDSOR FUEL COMPANY
9600 Old Redwood Highway
Windsor, California

Sonoma County

GROUNDWATER MONITORING

1. Groundwater in each monitoring well shall be sampled according to the following schedule. The analyses shall be performed at a certified laboratory for total petroleum hydrocarbons as diesel (TPH-d), total petroleum hydrocarbons as motor oil (TPH-mo), total petroleum hydrocarbons as gasoline (TPH-g) and a full EPA Method 8260 scan for volatile organic compounds (VOCs).

Well	1st QUARTER	2nd QUARTER	3rd QUARTER	4th QUARTER
MW-1	TPH-d, TPH-mo			
MW-1D	TPH-d, TPH-mo			
MW-2	TPH-d, TPH-mo, VOCs			
MW-2D	TPH-d, TPH-mo, VOCs			
MW-3	TPH-d, TPH-mo, TPH-g, VOCs	TPH-d, TPH-mo, TPH-g, VOCs	TPH-d, TPH-mo, TPH-g, VOCs	TPH-d, TPH-mo, TPH-g, VOCs
MW-3D	TPH-d, TPH-mo, VOCs	TPH-d, TPH-mo,	TPH-d, TPH-mo,	TPH-d, TPH-mo,
MW-5	TPH-d, TPH-mo, VOCs	TPH-d, TPH-mo	TPH-d, TPH-mo	TPH-d, TPH-mo
MW-5S	TPH-d, TPH-mo, VOCs	TPH-d, TPH-mo	TPH-d, TPH-mo	TPH-d, TPH-mo
MW-6	TPH-d, TPH-mo, VOCs			
MW-7S	TPH-d, TPH-mo, VOCs			
MW-7D	TPH-d, TPH-mo, VOCs			

2. Depth to groundwater in each monitoring well shall be determined to at least 0.01 foot increments during each quarterly sampling event, prior to purging the well for sampling. Data generated from the elevation readings shall be referenced to mean sea level.
3. Any newly installed monitoring well shall be sampled quarterly for TPH-d, TPH-mo, TPH-g, and VOCs.

STORM WATER MONITORING

1. Windsor Fuel Company operates under the Industrial Storm Water General Permit Order 97-03-DWQ. In addition to the analysis required under the Permit, storm water runoff samples shall be collected and analyzed for TPH-d and TPH-mo. Storm water samples analyzed for TPH-d and TPH-mo shall be collected during the routine collection of storm water samples, as outlined in the Permit.

REPORTING

1. The following maps shall be submitted with each monitoring report:
 - a. A map of the facility showing the quarterly groundwater flow pattern, including the direction of the groundwater gradient and the location of all monitoring wells.
 - b. A contamination contour map shall be submitted for each significant pollutant detected during the monitoring events.
2. The results of each quarter's elevation shall be reported in a tabular form indicating the surveyed elevations of each reference point, depth to groundwater from the reference point, and the actual groundwater elevation.
3. Sampling data should be summarized in tabular form, including all previously generated sampling data.
4. 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.
5. Monitoring reports shall be submitted to the Regional Water Board on a quarterly schedule. Monitoring reports, including storm water data, groundwater gradient data, and quarterly sampling data shall be submitted to this office in accordance with the following schedule:

Reporting Period

Due Date

January, February, March (1st Quarter)
April, May, June (2nd Quarter)
July, August, September (3rd Quarter)
October, November, December (4th Quarter)

April 15
July 15
October 15
January 15

Ordered by



Catherine Kuhlman
Executive Officer

September 11, 2003

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