

California Regional Water Quality Control Board
North Coast Region

MONITORING AND REPORTING PROGRAM NO. R1-2004-0050

FOR

ROYAL PETROLEUM COMPANY,
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ALLIANCE SERVICE STATION
720 South Main Street
Sebastopol, California

Sonoma County

1. The depth to groundwater in each monitoring well shall be determined to at least 0.01-foot increments quarterly. The results of the quarterly elevations shall be reported in tabular form indicating the surveyed elevation of each well reference point, depth to groundwater from reference point, and the actual groundwater elevation. The data generated from the elevation readings must be referenced to mean sea level.
2. Groundwater monitoring wells shall be sampled for Total Petroleum Hydrocarbons (TPH) as gasoline, stoddard solvent, and a full U.S. EPA Method 8260B for volatile organic compounds (including MTBE and all fuel oxygenates) as follows:

Monitoring Well	Quarterly	Semiannual	Annual
MW-1	X		
MW-2	X		
MW-3	X		
MW-4			X
MW-5	X		
MW-6	X		
MW-7	X		
MW-8	X		
MW-9	X		
MW-10		X	
MW-11			X
MW-12			X
MW-13	X		
MW-14		X	
MW-15	X		
NW-1	X		
NW-2	X		
NW-3	X		

The nested wells proposed for installation near MW-13 shall be sampled on a quarterly schedule for the constituents listed in No. 2 above.

3. The City of Sebastopol's Municipal Well No. 4 shall be sampled weekly at the spigot located nearest the well head, under the supervision of the City of Sebastopol. Twenty-four hour notification to the City of Sebastopol shall be provided. Well No. 4 shall be analyzed using U.S. EPA Method 502.2 or 524.2. Verbal notification must be provided within twenty-four hours to the City of Sebastopol and Regional Water Board when detectable levels of any constituents are found in Well No. 4.

REPORTING

4. A groundwater elevation contour map shall be submitted¹ for each quarterly measurement and include the facility, groundwater flow pattern including the direction of groundwater gradient, the locations of the wells, Well No. 4, and the location of the underground storage tanks.
5. Hydrocarbon contamination contour maps shall be submitted quarterly for each significant pollutant detected and shall include the facility, locations of monitoring wells and City Well No. 4 and location of appurtenant Site features.
6. Each report shall contain a section reporting the status of the on-site air sparging/vapor extraction system and the City Well No. 4 well head treatment system, any problems with the systems, and corrective actions taken. Verbal notification of any problems shall be reported within 24 hours to the Regional Water Board's Executive Officer and City of Sebastopol.
7. Each report shall contain the analytical laboratory reports and copies of chain of custody documents showing the time and date of collection and name of sampler, 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.
8. All analytical results must be submitted electronically to the State Water Resources Control Board's Geographic Environmental Information Management System database (GeoTracker).

¹ The term "submit" means that the materials in question must be *actually received* by the Regional Water Board on or before the applicable deadline date.

9. Monitoring reports, including quarterly gradient and sampling data, shall be submitted in accordance with the following schedule:

<u>Reporting Period</u>	<u>Due Date</u>
February, March, April	May 15
May, June, July	August 15
August, September, October	November 15
November, December, January	February 15

Ordered by _____

Catherine E. Kuhlman
Executive Officer

June 17, 2004