

California Regional Water Quality Control Board  
North Coast Region

Monitoring and Reporting Program No. R1-2015-0011  
(Rescinds and Replaces Monitoring and Reporting Program No. R1-2000-14)

Equilon Enterprises LLC  
dba Shell Oil Products US  
2799 Fourth Street, Santa Rosa  
Case No. 1TSR295

Sonoma County

This Monitoring and Reporting Program is issued pursuant to California Water Code Section 13267(b) and requires quarterly monitoring of groundwater and submission of technical reports. The objective of monitoring conducted under this monitoring program is to provide the Discharger and Regional Water Board staff with information concerning groundwater quality and contaminant trends at the site.

This Monitoring and Reporting Program rescinds and replaces Monitoring and Reporting Program No. R1-2000-14.

Under the authority of the California Water Code Section 13267, the Discharger named above is required to comply with the following:

**MONITORING**

1. Prior to purging, the depth to groundwater shall be measured to the nearest 0.01-foot in all monitoring wells.
2. Groundwater and surface water samples shall be collected for analysis as follows to monitor the effects of the treatment system:

Monitoring Well	Frequency	Analysis
S-3 through S-8, S-10, and S-14	Quarterly	TPHg, TPHd, BTEX, MTBE, TBA, COD, TDS, Ferric Iron, Sulfate, Nitrate, Nitrite, Total Phosphorous, Total Nitrogen, Sulfate, Alkalinity as CaCO <sub>3</sub> , Dissolved CO <sub>2</sub> , Specific Conductance, and Sulfide Annually for: DIPE, ETBE and TAME
<b>Surface Water</b>		
C-1, C-2 and C-3	Quarterly	Same as above

3. Groundwater samples shall be collected for analysis as follows:

Monitoring Well	Frequency	Analysis
S-1, S-2, S-12, S-13, S-15, S-16, S-17, SR-1, SR- 2, SR-3, SR-4	Quarterly	TPHg, TPHd, BTEX, MTBE, TBA Annually for: DIPE, ETBE and TAME
S-9	Annually	Same as above

4. Groundwater and surface water shall be monitored for dissolved oxygen, temperature, oxidation-reduction potential, and pH during each monitoring event.
5. Groundwater and surface water samples shall have laboratory analyses performed at a California certified laboratory.

### REPORTING

1. Groundwater and surface water monitoring reports shall be submitted for each quarter as follows:

Sampling Period	Due Date
First Quarter – January, February, March	May 1 of the same year
Second Quarter – April, May, June	August 1 of the same year
Third Quarter – July, August, September	November 1 of the same year
Fourth Quarter – October, November, December	February 1 of the following year

2. Monitoring data and reports shall be submitted to the Regional Water Board via the State Water Resources Control Board’s Geographic Environmental Information Management System database (GeoTracker) as specified in Title 23, Division 3, Chapter 30, Article 2, Sections 3890-3895 of the California Code of Regulations.
3. Monitoring reports shall be prepared by or under the supervision of a California Professional Civil Engineer or Geologist.
4. The following shall be submitted with each monitoring report:
- A map of the facility showing the groundwater flow pattern, including the direction of the groundwater gradient, the location of monitoring wells, and the location of the former source areas; and
  - A map of the facility showing the chemical concentrations.
5. The results of the depth to groundwater measurements 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. The data generated

from the elevation readings must be referenced to the same elevation datum used for GeoTracker.

6. Sampling analytical and monitoring data shall be summarized in tabular form, including all previously generated sampling data.
7. Each report must contain copies of the well purging and sampling field logs; chain of custody documents showing the time and date of sample collection and the person collecting the samples; and signed laboratory sheets including quality control data and explanations of analytical anomalies, if any.

Ordered By: \_Original signed by\_\_\_\_\_

Matthias St. John  
Executive Officer

February 9, 2015