

California Regional Water Quality Control Board
North Coast Region

Monitoring and Reporting Program No. R1-2014-0061
(Rescinds and Replaces Monitoring and Reporting Program No. R1-2009-0079)

ExxonMobil Refining and Supply-Global Remediation

Exxon #7-3035
4501 Sonoma Highway, Santa Rosa
Case No. 1TSR295

Sonoma County

This Monitoring and Reporting Program is issued pursuant to California Water Code Section 13267(b) and requires annual and semi-annual 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. R1-2009-0079.

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 sampled during first and/or third calendar quarters.
2. Groundwater samples shall be collected from monitoring wells MW2, MW3, MW5 through MW8, and MW9A annually during the first calendar quarter.
3. Groundwater samples shall be collected from monitoring wells MW1, MW4, MW5B, MW5CR, MW9B, MW9CR, MW12A, MW12B, MW12C, RW1A, RW1B, and RW2B semi-annually during the first and third calendar quarters.
4. Groundwater samples shall be collected from domestic wells W-4200, W-4343, W-4358, W-4372, and W-4389 semi-annually during the first and third calendar quarters. Domestic wells shall be purged prior to sampling

5. Laboratory analyses shall be performed on the groundwater samples collected from the monitoring wells and the domestic wells at a California certified laboratory for the following constituents of concern:
 - Total petroleum hydrocarbons as gasoline
 - Total petroleum hydrocarbons as diesel
 - Benzene, toluene, ethylbenzene, xylenes
 - Methyl tertiary butyl ether
 - Tert-amyl methyl ether
 - Tert-butyl alcohol
6. Groundwater shall be monitored for dissolved oxygen and oxidation-reduction potential during each monitoring event.

REPORTING

1. Monitoring reports shall be submitted semiannually in accordance with the following schedule:

Sampling Period	Due Date
January, February, March	May 1 of the same year
July, August, September	November 1 of the same 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. In addition to Geotracker, results of the domestic well sampling shall be reported to the well owners and tenants by mail. If there is a detection of any constituent above the reporting limit in groundwater from a domestic well, this office shall be notified immediately and the well shall be resampled within 48 hours.
4. Monitoring reports shall be prepared by or under the supervision of a California Professional Civil Engineer or Geologist.
5. The following shall be submitted with each monitoring report:
 - a. 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
 - b. A map of the facility showing the chemical concentrations.

6. 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.
7. Sampling analytical and monitoring data shall be summarized in tabular form, including all previously generated sampling data.
8. 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: Signed by David F. Leland
Signed on behalf of:

Matthias St. John
Executive Officer

December 10, 2014