

California Regional Water Quality Control Board
North Coast Region

Monitoring and Reporting Program No. R1-2017-0019
(Rescinds and Replaces Monitoring and Reporting Program No. R1-2012-0037)

for

Chevron Environmental Management Company
Unocal #2672
1075 Santa Rosa Avenue
Santa Rosa, California

Case No. 1TSR090

Sonoma County

This Monitoring and Reporting Program is issued pursuant to California Water Code Section 13267(b) and requires monitoring of groundwater and submission of technical reports. The objective of monitoring conducted under this monitoring program is to provide the Discharger and the Regional Water Board with information concerning groundwater quality and contaminant trends at the site, necessitated by the historic discharge of waste to the subsurface. The burden, including costs, of these reports bears a reasonable relationship to the need for the reports and the benefits to be obtained from the reports.

This Monitoring and Reporting Program rescinds and replaces Monitoring and Reporting Program No. R1-2012-0037.

The failure to furnish any of the required reports, or the submittal of substantially incomplete reports or false information, is a misdemeanor, and may result in additional enforcement actions being taken against the Discharger, including issuance of an Administrative Civil Liability (ACL) Complaint pursuant to Water Code section 13268. Liability may be imposed pursuant to Water Code section 13268 in an amount not to exceed one thousand dollars (\$1,000) for each day in which the violation occurs.

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 determined to at least 0.01 foot increments in the groundwater monitoring wells to be sampled during each monitoring event.

2. Prior to purging, the presence of floating product shall be evaluated in the groundwater monitoring wells to be sampled during each monitoring event. If floating product is detected, the thickness shall be measured to the nearest 0.01 foot increment. Floating product measurements, to at least 0.01 foot increments, and the presence of sheen, shall be reported in each groundwater monitoring report.
3. The groundwater monitoring wells MW-1, MW-2E, MW-3, MW-4E, MW-7, MW-8, and MW-11 shall be sampled semiannually during the first and third calendar quarters of each year.
4. Monitoring wells shall be purged of at least three casing volumes of water, or until dry, prior to sampling. Monitoring wells shall be allowed to recharge to at least 80% of the initial casing volume prior to sampling. All purge water shall be impounded pending analysis for proper disposal. An alternative well-purging protocol may be used upon the written approval of the Executive Officer.
5. The groundwater monitoring well samples shall be analyzed for total petroleum hydrocarbons as gasoline, benzene, toluene, ethylbenzene, xylenes, 1,2-dichloroethane, MTBE, and TBA.
6. All laboratory analyses shall be performed at a California certified laboratory. Analytical methods for sample analyses shall achieve practical quantification reporting limits that are adequate for evaluating regulatory action levels for each constituent.
7. Groundwater samples shall be collected from monitoring wells MW-1, MW-2E, MW-3, MW-4E, MW-7, MW-8, and MW-11 semi-annually during the first and third calendar quarters and shall be analyzed for total petroleum hydrocarbons measured as gasoline, benzene, toluene, ethylbenzene, xylenes, 1,2-dichloroethane, MTBE, and tert-butyl-alcohol.

Reporting

1. Semiannual groundwater monitoring reports shall be submitted in accordance with the following schedule:

Sampling Period	Due Date
First Quarter - January, February, March	May 1 of the same year
Third Quarter - 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. Monitoring reports shall be prepared by or under the supervision of a California Professional Civil Engineer or Geologist.
4. The groundwater elevation data calculated from the depth to water measurements shall be referenced to the same elevation datum used for GeoTracker.
5. Each monitoring reports shall include the following elements:
 - a. A narrative description of the work conducted.
 - b. A groundwater elevation map for each sampling and injection event.
 - c. An accurately scaled site plan showing all sampling points in relation to significant site features.
 - d. Groundwater elevation contours plotted at the same scale as the site plan.
 - e. A contaminant distribution map showing detected levels for the constituents of concern detected in groundwater during the monitoring event.
 - f. Analytical data tables summarizing the current and historical monitoring and analytical results for all permanent groundwater and soil vapor monitoring points, including floating product thickness or observation of sheen, depth to water, and detected constituent concentrations.
 - g. Copies of the well purging and sampling field logs; chain of custody documents; and signed laboratory reports including quality control data and explanations of analytical anomalies, if any. Monitoring reports shall identify the type of instruments that were used for field-measured data, and shall include copies of the pre- and post-calibration records or provide other assurance for field data quality. These supporting documents may be included as appendices to the report.

Ordered by _____

Matthias St. John
Executive Officer

February 24, 2017