

California Regional Water Quality Control Board
North Coast Region

Monitoring and Reporting Program No. R1-2015-0036
[Rescinding and Replacing Monitoring and Reporting Program No. R1-2013-0056]

FOR
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APN 043-101-050
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Case No. 1TSR150

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.

This Monitoring and Reporting Program rescinds and replaces Monitoring and Reporting Program No. R1-2013-0056.

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

MONITORING

1. The presence of floating product shall be evaluated in monitoring wells MW-4, MW-6, MW-26, and MW-28. If floating product is detected, the thickness shall be measured to the nearest 0.01 foot increment.
2. Prior to purging, groundwater elevations shall be measured in monitoring wells MW-4, MW-6, MW-26, and MW-28. Depth to groundwater measurements shall be recorded to the nearest 0.01 foot increment.
3. Prior to sampling, monitoring wells shall be purged of at least three casing volumes of water, or until dry. 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.
4. Chemical analyses required by this Order shall be conducted by California certified laboratories certified for those analyses.

5. Groundwater samples shall be collected from monitoring wells MW-4, MW-6, MW-26, and MW-28 at least quarterly. The groundwater samples shall be tested for benzene.
6. The groundwater extraction hours of operation, flow rate from each extraction well, and total volume of water extracted per day shall be monitored. The mass of contaminant removed shall be calculated.
7. Following the cessation of groundwater extraction due to achieving target benzene levels, all groundwater monitoring wells at the site shall be sampled within ninety days, and quarterly thereafter. Groundwater shall be analyzed for all petroleum constituents of concern to demonstrate that all contaminant levels remain below the cleanup goals, and to confirm that the area of contamination remains stable.

REPORTING

1. Regional Water Board staff shall be notified immediately of a shutdown of groundwater extraction lasting longer than one day.
2. Groundwater monitoring reports shall be submitted quarterly in accordance with the following schedule:

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

3. 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.
4. Monitoring reports shall be prepared by or under the supervision of a California Professional Civil Engineer or Geologist.
5. Each quarterly monitoring report shall include the following information:
 - a. A narrative description of site activities conducted during the reporting period;
 - b. A table of groundwater monitoring data presenting consecutive chronological records for each monitoring well specified in Monitoring Task 6 above. Each groundwater monitoring well record shall include the following information:

- i. Groundwater elevation measurements presenting the surveyed elevations of each well reference point, the 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.
 - ii. Current and historical monitoring data for groundwater samples collected since the first quarter 2013, including the sampling point name, date of sample collection, analytical results for each constituent, and quantification limits employed for non-detect analytical results.
- c. A table of groundwater extraction operations data, including the dates of extraction, the flow rate from each extraction well, and total hours per day of groundwater extraction.
 - d. 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 reports including quality control data and explanations of analytical anomalies, if any. Monitoring reports shall also 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 in the report.
 - e. A discussion of analytical results, data quality, the status of remedial activities and recommendations for additional investigation or mitigation measures to address any concerns.
 - f. If one or more samples or analyses required by this program cannot be collected, the report shall state the reason for the omission and explain what corrective actions shall be employed to prevent future omissions.

Ordered By: _____

Matthias St. John
Executive Officer

May 26, 2015