

California Regional Water Quality Control Board
North Coast Region

Monitoring and Reporting Program
Order No. R1-2018-0029
(Rescinds and Replaces Monitoring and Reporting Program No. R1-2003-0054)

for

County of Humboldt

Fifth and J Streets
Eureka

Case No. 1THU483 and 1NHU483

Humboldt County

This Monitoring and Reporting Program Order 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 pollutant 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. R1-2003-0054.

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 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 all groundwater monitoring wells identified in Appendix 1 of this Monitoring and Reporting Program during each monitoring event.
2. The presence of sheen shall be reported in each groundwater monitoring report.

3. Groundwater samples from monitoring wells shall be collected semiannually during the first and third calendar quarters of each year. The groundwater monitoring wells to be monitored are identified in Appendix 1 of this Monitoring and Reporting Program.
4. The groundwater monitoring well samples shall be analyzed as specified in Appendix 1 of this Monitoring and Reporting Program.
5. All laboratory analyses shall be performed at a California certified laboratory. Analytical methods for sample analyses shall achieve practical quantitation limits that are adequate for evaluating regulatory action levels for each constituent.

REPORTING

1. Semiannual monitoring reports shall be submitted to the Regional Water Board 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 semiannual monitoring report shall include the following elements:
 - a. A narrative description of the work conducted.
 - b. Copies of the following: well purging and sampling field logs; chain of custody documentation 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 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.

- c. Groundwater elevation maps for each monitored water-bearing zone showing groundwater elevations relative to the locations of monitoring wells, former and current site features (underground tanks, excavations, dry cleaning operations, etc.), and other significant features.
- d. Groundwater contaminant concentrations plotted at the same scale as the site plan.
- e. Tabular results of the depth to groundwater measurements indicating the surveyed elevations of each reference point, depth to groundwater from the reference point, and the actual groundwater elevation.
- f. Data tables summarizing all current and historical analytical data for the site constituents of concern for each sampling station.

Ordered by _____
Matthias St. John
Executive Officer

May 15, 2018

Appendix 1 – Table of groundwater monitoring wells and sample constituent analyses

Monitoring Well ID	TPH-GRO (50 µg/L)	BTEX (0.5 µg/L)	MTBE & TBA¹ (0.5 µg/L & 5 µg/L)	HVOCs¹ (0.5 µg/L)
HCC-1	X	X	---	X
HCC-2	X	X	---	X
HCC-3	---	---	---	X
HCC-4	---	---	---	---
HCC-5	X	X	X	X
HCC-6	X	X	X	X
HCC-7	---	---	---	---
HCC-8	X	X	X	X
HCC-9	X	X	X	X
HCC-10	X	X	X	X
HCC-101D	X	X	X	X
HCC-102D	X	X	X	X
HCC-103D	X	X	X	X
HCC-104D	X	X	X	X
HCC-105D	X	X	X	X
HCC-106D	X	X	X	X

Table Notes

TPH-GRO = Total petroleum hydrocarbons – gasoline range organics

BTEX = Benzene, toluene, ethylbenzene, and xylenes

MTBE & TBA = Methyl tert-butyl ether and tert-butyl alcohol

HVOCs = Halogenated volatile organic compounds including tetrachloroethene, trichloroethene, cis-1,2-dichloroethene, 1,2-dichloroethane, trans-1,2-dichloroethene, and vinyl chloride

X = Analyze the groundwater sample from that monitoring well for that constituent

--- = No analysis

¹ Analyses for MTBE, TBA and HVOCs shall be done using US EPA method 8260B or equivalent