

California Regional Water Quality Control Board
North Coast Region

Monitoring And Reporting Program
Order No R1-2021-0025

(Rescinds and Replaces Monitoring and Reporting Program No. R1-2019-0015)

for

Basil P. Caloyeras, Trustee
Caloyeras 1982 Revocable Trust

Electro Vector
6555 Covey Road
Forestville, CA

Case No. 1NSO901

Sonoma County

This Monitoring and Reporting Program Order is issued pursuant to California Water Code (Water Code) section 13267 (b) and requires monitoring of groundwater, and soil vapor, 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 and resulting threats to water quality. The information will assist the Regional Water Board in determining whether water quality meets, or will meet, objectives specified in the Regional Water Board's Basin Plan and will support beneficial uses. Therefore, 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. A cost estimate for the activities detailed in this Order is included as Table A.¹

Monitoring and Reporting Program Order No. R1-2019-0015 included post-pilot testing monitoring which is no longer required at the site. This Monitoring and Reporting Program rescinds and replaces Monitoring and Reporting Program Order No. R1-2019-0015

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

¹ These estimates are based on costs provided by the environmental consultant and/or Regional Water Board staff evaluation of the property and experience in evaluating monitoring and reporting requirements and associated costs for comparable sites. The Caloyeras 1982 Revocable Trust is solely responsible for producing the reports that provide the necessary information to assess compliance with this order and the actual costs to comply with this order may differ from the estimates provided based on factors within Caloyeras 1982 Revocable Trust's control and not the Regional Water Board's.

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 Water Code section 13267, the Discharger named above is required to comply with the following:

GENERAL REQUIREMENTS

Groundwater Monitoring Requirements - Routine Monitoring

1. Prior to purging, the depth to groundwater shall be determined to at least 0.01 foot increments in all groundwater monitoring wells associated with this case during each monitoring event.
2. Groundwater samples shall be collected from monitoring wells from MW-1, MW-2, MW-3, and MW-10 semiannually during the first and third calendar quarters, and annually from MW-6 and MW-11 in the third quarter, and analyzed for VOCs including trichloroethene, cis-1,2-dichloroethene and vinyl chloride.
3. Per Water Code section 13176, 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.

Indoor Air and Subsurface Vapor Routine Monitoring Requirements

4. Indoor air and subsurface vapor samples shall be collected from Classroom 6 semiannually, during the last month of the first quarter (March) and the last month of the third quarter (September). The indoor air and subsurface vapor samples shall be analyzed for VOCs including trichloroethene, cis-1,2-dichloroethene, and vinyl chloride.
5. The laboratory methods for analysis of indoor air and subsurface vapor shall achieve practical quantitation limits sufficiently low to assess the applicable screening levels for each constituent of concern.

REPORTING

Routine Reporting Requirements

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. Field notes and/or sampling logs documenting such activities as well purging, well recharge prior to sampling
 - c. Chain-of-custody documentation
 - d. Laboratory reports, including QA/QC data
 - e. An accurately scaled site plan showing all sampling points in relation to significant site features
 - f. Groundwater elevation contours plotted at the same scale as the site plan
 - g. Groundwater contaminant concentrations plotted at the same scale as the site plan
 - h. Groundwater elevation and contaminant concentration trend graphs plotted at the same scale for each well and constituent
 - i. Trend lines and data confidence equations included on the graphs
 - j. A discussion of the groundwater monitoring results and groundwater conditions, including recommendations for additional monitoring, and/or investigation(s)
 - k. A discussion of the indoor air and subsurface vapor analytical results and the assessment of potential vapor intrusion to indoor air, including recommendations for additional investigation or mitigation measures to address any concerns about indoor air quality
 - l. 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
 - m. 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

21_0025_ElectroVector_MRP

TABLE A – ELECTRO VECTOR MONITORING COST ESTIMATE

Tasks	
Groundwater Monitoring	4 Wells Semiannual
Indoor Air and Soil Vapor Monitoring	Semiannual
Site Monitoring Report	2 Reports
TOTAL ESTIMATED COSTS	\$30,000