

California Regional Water Quality Control Board
North Coast Region

Monitoring and Reporting Program
Order No R1-2021-0022
(Rescinds and Replaces Monitoring and Reporting Program No. R1-2010-0098)

for

Leo Bleier

Redwood Valley Shopping Center
999 School Way
Redwood Valley, CA

Case No. 1TMC344

Mendocino 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 submission of technical reports. The objective of monitoring conducted under this monitoring program is to provide the Discharger and the Regional Water Quality Control Board (Regional Water Board) with information concerning groundwater quality and pollutant trends at the site, necessitated by the historic discharge of waste to the subsurface. This waste discharge entailed a release of petroleum hydrocarbons from the underground storage tanks (USTs) to subsurface soil and groundwater. A regulatory case was opened to assess and mitigate risks to public health and existing and potential beneficial uses of groundwater, including nearby domestic water supply wells. 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.

Based on the long history of groundwater monitoring at the Site combined with generally consistent groundwater flow and stable petroleum hydrocarbon concentrations, a reduced frequency of monitoring and reporting will still be effective at verifying natural attenuation trends and assessing potential impacts to nearby domestic water supply wells. As a result, this Monitoring and Reporting Program rescinds and replaces Monitoring and Reporting Program Order No. R1-2010-0098.

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(s), 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:

MONITORING

1. Prior to obtaining groundwater level measurements, the overall condition of all monitoring wells and domestic water wells shall be documented by field personnel in field notes.
2. All newly installed monitoring wells associated with this site shall be sampled quarterly for at least one year.
3. The depth to groundwater in each of the monitoring wells associated with this site shall be determined to at least 0.01-foot increments, prior to purging, as part of each semi-annual monitoring well sampling event. The data generated from the elevation readings must be referenced to the same elevation datum used for the electronic Geotracker survey values.
4. Groundwater samples from monitoring wells MW-2, MW-4, MW-6, MW-9, MW-13, and domestic well DM-981 shall be collected semiannually during the second and fourth quarters. Water samples shall also be collected after the first filter and after the second filter on domestic well DM-981.
5. Groundwater samples from monitoring wells MW-1, MW-3, MW-5, MW-7, MW-8, MW-10, MW-11, MW-12, and domestic wells DM-951 and DM-991 shall be collected on an annual basis during the second quarters.
6. The water samples collected per Monitoring Items 3 and 4 shall be analyzed for the following constituents: Total Petroleum Hydrocarbons as gasoline (TPHg) and volatile organic compounds (VOCs), including benzene, toluene, ethylbenzene, and total xylenes (BTEX), oxygenates MTBE, ETBE, TAME, TBA, DIPE, and the lead scavengers 1,2-dichloroethane and 1,2-dibromomethane.
7. All laboratory analyses shall be performed at a California ELAP-certified laboratory.

REPORTING

1. Written notification of all analytical results for all the domestic water supply wells shall be provided to the respective domestic water supply well owners and copied to the Regional Water Quality Control Board within two weeks of receiving the results. If any contaminants are detected in the domestic water supply wells DM-951 or DM-991, or the effluent of the treatment system on the domestic water supply well DM-981, verbal notification of the analytical results shall be provided within 24 hours of receiving the results to the respective water supply owner and Regional Water Board staff.

2. Semiannual monitoring reports shall be submitted to the Regional Water Board in accordance with the following schedule:

| Sampling Period | Due Date |
|---|--------------------------|
| 1 st Semiannual Report (January – June) | August 1 st |
| 2 nd Semiannual Report (July – December) | February 1 st |

3. Monitoring reports shall be prepared by or under the supervision of a California Professional Civil Engineer or Professional 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. Analytical data tables summarizing the current and historical analytical results for all groundwater monitoring wells and domestic water supply wells.
 - b. An accurately scaled Site plan showing all groundwater level measurement points and groundwater measurement sampling points in relation to significant Site features (facilities, former USTs, etc.).
 - c. Groundwater elevation contours plotted at the same scale as the Site plan.
 - d. Groundwater contaminant concentration maps 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. The data generated from the elevation readings must be referenced to the same elevation datum used for GeoTracker.
 - f. Contaminant concentration versus time graphs for each contaminant at each monitoring well that also displays the numeric water quality objective for each contaminant.
 - g. Copies of the well purging and sampling field logs, chain-of-custody documents indicating the time and date of sample collection and the person collecting the samples; signed laboratory sheets including quality control data and explanations of analytical anomalies, if any; and logs of any maintenance performed on the water supply well treatment system. These supporting documents may be included as appendices to the report.
 - h. Identity of the type of instruments that were used for field-measured data, copies of the pre- and post-calibration records or other assurance for field data quality, and identity of the person collecting the samples.
 - i. Documentation regarding disposal of purged groundwater.

6. 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.
7. 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.

Ordered by _____
Matthias St. John
Executive Officer

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