

California Regional Water Quality Control Board  
North Coast Region

Monitoring and Reporting Program  
Order No R1-2021-0020  
(Rescinds and Replaces Monitoring and Reporting Program No. R1-2017-0011)

for

Hosokawa Micron International, Inc.  
Cornerstone Properties  
and  
BALCO Holdings, Inc.

BEPEX Corporation  
150 Todd Road  
Santa Rosa, CA

Case No. 1NSO778

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 submission of technical reports. The objective of monitoring conducted under this monitoring program is to provide the Discharger(s) 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 1,4-dioxane and volatile organic compounds (VOCs) 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. 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 VOC concentrations, a reduced frequency of monitoring and reporting will still be effective at verifying natural attenuation trends. As a result, this Monitoring and Reporting Program rescinds and replaces Monitoring and Reporting Program Order No. R1-2017-0011.

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 Dischargers named above are required to comply with the following:

### **MONITORING**

1. Prior to obtaining groundwater level measurements, the overall condition of all monitoring wells and any remaining injection points and monitoring points shall be documented by field personnel in field notes.
2. Prior to purging, the depth to groundwater shall be determined to at least 0.01-foot increments in all remaining groundwater monitoring wells during each monitoring event.
3. Groundwater samples from monitoring wells MW-7A, MW-8, MW-9, MW-12, and MW-13 shall be collected biennially, during the fourth quarter of each even year.
4. The groundwater monitoring well samples shall be analyzed for field parameters and lab parameters. The field parameters include pH, temperature, electrical conductivity, and turbidity using calibrated measuring instruments designated for measuring the analytes. Samples for laboratory analyses shall be analyzed for chlorinated volatile organic compounds and for 1,4-dioxane using test methods that achieve laboratory reporting limits less than or equal to 0.5 micrograms per liter for undiluted samples without matrix interferences.
5. All laboratory analyses shall be performed at a California ELAP-certified laboratory.

### **REPORTING**

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

<b>Sampling Period</b>	<b>Due Date</b>
Fourth Quarter (even years)	February 1 of the following 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 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 biennial monitoring report shall include the following elements:

- a. Analytical data tables summarizing the current and historical analytical results for all permanent groundwater levels and groundwater quality monitoring wells.
- b. An accurately scaled Site plan showing all groundwater level measurement points and groundwater measurement sampling points in relation to significant Site features.
- 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. Data tables summarizing all historical analytical data for the Site constituents of concern for each sampling station.
- f. 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.
- g. Contaminant concentration versus time graphs for each contaminant at each monitoring well that also displays the numeric water quality objective for each contaminant.
- h. Signed chain-of-custody documentation.
- i. Signed laboratory reports including laboratory Quality Assurance/Quality Control data.
- j. Field notes and/or sampling logs documenting well condition, well purging, and well recharge prior to sampling.
- k. 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.
- l. Documentation regarding disposal of purged groundwater.

Ordered by \_\_\_\_\_  
Matthias St. John  
Executive Officer