

California Regional Water Quality Control Board
North Coast Region

Monitoring and Reporting Program No. R1-2011-0110
[Replacing Monitoring and Reporting Program No R1-2007-0043]

WDID No. 1B10043RSON

FOR

THE CARRINGTON COMPANY

And

JAMES W. CODDING

BENNETT VALLEY CLEANERS
2753 Yulupa Avenue
Santa Rosa, California

Case No. 1NSR404

Sonoma County

This Monitoring and Reporting Program (MRP) is issued pursuant to California Water Code Section 13267(b) and specifies routine monitoring and reporting requirements for groundwater and the submittal of monitoring reports. The objectives of monitoring conducted under this MRP are to provide the Dischargers and Regional Water Board staff with information about volatile organic compound contamination in groundwater. Under the authority of the California Water Code Section 13267, the Dischargers named above are required to comply with the following:

GROUNDWATER MONITORING

General Requirements

1. The depth to groundwater shall be measured in all monitoring wells and recorded to the nearest 0.01-foot increment during each monitoring event prior to well purging and sampling.
2. All monitoring wells shall be purged of at least three casing volumes of water, or until dry, prior to sampling. 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.
3. Chemical analyses required by this MRP shall be conducted by laboratories certified for those analyses by the California Department of Health Services.

Routine Monitoring

4. Groundwater samples shall be collected semi-annually, during the first and third calendar quarters, from monitoring wells BVC-1, BVC-4, BVC-5, BVC-6, BVC-7, BVC-8, BVC-9, BVC-10-I, BVC-11-I, BVC-12-I, BVC-13, and all subsequently installed groundwater monitoring wells. The groundwater sampling and analysis requirements are also summarized in Appendix 1 of this MRP.
5. Groundwater samples shall be analyzed for the full list of volatile organic compounds quantified by EPA Method 8260B (VOCs), as published in "*Test Methods for Evaluating Solid Waste, Physical/Chemical Methods*" (SW-846) by the U.S. Environmental Protection Agency. The VOC list is incorporated as Appendix 2 of this MRP.

REPORTING

Groundwater monitoring reports shall be submitted semi-annually in paper format to the Regional Water Board according to the following schedule:

<u>Report</u>	<u>Monitoring Period</u>	<u>Report Due Date</u>
First Semi-annual	January through March	April 30 th
Second Semi-annual	July through September	October 31 st

All reports, workplans, and laboratory analytical data submitted for the site shall also be submitted in electronic format to 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.

Each semi-annual monitoring report shall include the following elements:

- A. A site plan, showing significant features such as monitoring wells, grab-sample boring locations, on-site structures, and subsurface utilities.
- B. A table of 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 measurements must be referenced to mean sea level.
- C. Groundwater elevation maps for each monitored water-bearing zone showing monitoring points, iso-elevation contour lines, groundwater flow direction and gradient.
- D. A contaminant distribution map for each monitored water-bearing zone showing the latest groundwater analytical results for the most significant pollutant or pollutants detected during the monitoring events.

- E. Analytical data tables summarizing the current and historical analytical results for all permanent groundwater and vapor monitoring points. The tables must include the sampling point name, date of sample collection, analytical results for each constituent, and quantification limits employed for non-detect analytical results.
- F. Copies of the following: 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 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.
- G. A discussion of analytical results, data quality, the status of remedial activities and recommendations for additional investigation or mitigation measures to address any concerns.

Ordered by _____ Original Signed By: Luis G. Rivera
Catherine Kuhlman
Executive Officer

December 14, 2011

Sampling and Analysis Plan

Groundwater monitoring wells shall be monitored and sampled according to the schedule specified below.

MONITORING POINT	DEPTH TO GROUNDWATER	VOC ANALYSIS ²
BVC-1	Semi-annually ¹	Semi-annually ¹
BVC-2	Semi-annually ¹	Not Sampled
BVC-3	Semi-annually ¹	Not Sampled
BVC-4	Semi-annually ¹	Semi-annually ¹
BVC-5	Semi-annually ¹	Semi-annually ¹
BVC-6	Semi-annually ¹	Semi-annually ¹
BVC-7	Semi-annually ¹	Semi-annually ¹
BVC-8	Semi-annually ¹	Semi-annually ¹
BVC-9	Semi-annually ¹	Semi-annually ¹
BVC-10-I	Semi-annually ¹	Semi-annually ¹
BVC-11-I	Semi-annually ¹	Semi-annually ¹
BVC-12-I	Semi-annually ¹	Semi-annually ¹
BVC-13	Semi-annually ¹	Semi-annually ¹
EX-1	Semi-annually ¹	Semi-annually ¹
EX-2	Semi-annually ¹	Semi-annually ¹
EX-3	Semi-annually ¹	Semi-annually ¹

¹ Semi-annually during the first and third calendar quarters

² The full list of volatile organic compounds quantified by EPA Method 8260B (VOCs) as published in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods" (SW-846), by the U.S. Environmental Protection Agency. The VOC list of is incorporated as Appendix 2 of this MRP.