

California Regional Water Quality Control Board
North Coast Region

MONITORING AND REPORTING PROGRAM NO R1-2016-0010
(Rescinds and Replaces Monitoring and Reporting Program No. R1-2005-0039)

For

HEWLETT-PACKARD COMPANY

Fountaingrove Site
1400 Fountain Grove Parkway
Santa Rosa, CA
Case No. 1NS0038

Sonoma County

This Monitoring and Reporting Program 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 contaminant trends at the site.

This Monitoring and Reporting Program rescinds and replaces Monitoring and Reporting Program No. R1-2005-0039.

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 annually each year.
2. The groundwater monitoring wells and sub-drain outfalls shall be sampled annually, during the first calendar quarter of each year. The groundwater monitoring wells and sub-drain outfall stations to be monitored are identified in Appendix 1 of this Monitoring and Reporting Program.
3. Flow rates from each sub-drain out-fall shall be measured at the time of sampling. Flow rates shall be reported to the nearest gallon-per-minute increment.
4. The groundwater monitoring well and sub-drain outfall 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 quantification reporting limits that are adequate for evaluating regulatory action levels for each constituent.

REPORTING

1. Annual 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

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. Each annual 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, aquifer parameter testing, 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 trichloroethene concentrations plotted at the same scale as the site plan
 - h) Data tables summarizing all historical analytical data for the site constituents of concern for each sampling station
5. The results of the depth to groundwater measurements shall be reported in tabular form 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.

Ordered by _____
Matthias St. John
Executive Officer

February 10, 2016

Hewlett Packard Fountaingrove Site Sampling and Analysis Schedule

Sample Station ID	Zone(s) Monitored	Sampling Frequency		Laboratory Analysis ³
		Annual ¹	Every 5 Years ²	
10	Upper		X	VOCs
14U	Upper		X	VOCs
18	Upper	X		VOCs
20	Upper		X	VOCs
25	Upper	X		VOCs
26	Upper	X		VOCs
28	Upper	X		VOCs
32	Upper	X		VOCs
33	Upper	X		VOCs
PB-1	Upper	X		VOCs
PB-2	Upper	X		VOCs
1	Upper/Lower		X	VOCs
3	Upper/Lower	X		VOCs
8L	Upper/Lower		X	VOCs
14L	Upper/Lower	X		VOCs
21	Upper/Lower	X		VOCs
22	Upper/Lower	X		VOCs
11L	Lower	X		VOCs
24	Lower	X		VOCs
27	Lower		X	VOCs
31	Lower	X		VOCs
34	Lower	X		VOCs
35L	Lower	X		VOCs
12	Deep	X		VOCs
16	Deep	X		VOCs
17	Deep	X		VOCs
29	Deep	X		VOCs
Sub-Drain Outfalls				
Outfall East	NA	X		VOCs
Outfall Central	NA	X		VOCs
Outfall West	NA	X		VOCs

Notes and Abbreviations

1 - Annual sampling shall be conducted during first quarter of each year.

2 - Wells specified for sampling every 5 years were last sampled in 2014, and will next be sampled in 2019.

3 - **VOCs** = Volatile organic compounds. The following VOCs shall be quantified using EPA Method 8260B:

- 1,1,2-Trichloro-1,2,2-trifluoroethane
- 1,1-Dichloroethane
- 1,1-Dichloroethene
- 1,2-Dichlorobenzene
- Chloroethane
- Chloroform
- cis-1,2-Dichloroethene
- Tetrachloroethene
- trans-1,2-Dichloroethene
- Trichloroethene
- Vinyl Chloride