

California Regional Water Quality Control Board
North Coast Region

MONITORING AND REPORTING PROGRAM NO R1-2005-0039
REPLACING
ORDER NO. R1-2004-0006
FOR
HEWLETT-PACKARD COMPANY
FOUNTAINGROVE SITE
1400 FOUNTAIN GROVE PARKWAY
SANTA ROSA, CALIFORNIA

Sonoma County

MONITORING AND SAMPLING

1. Groundwater elevations shall be measured in all monitoring wells semi-annually. The depth to groundwater shall be measured to nearest 0.01-foot increment. The results shall be reported in tabular form indicating the surveyed elevation of each well reference point, depth to groundwater from the reference point and the actual groundwater elevation. The data generated from the elevation readings shall be referenced to mean sea level. Elevation contour maps shall be prepared for each monitoring event showing the direction of groundwater flow.

2. The subsurface drainage effluent sampling stations shall be sampled monthly for the first four months of 2004, and quarterly thereafter. Groundwater and sub-drain effluent sampling and shall be conducted according to the schedule presented in Table 1 below, commencing in the first quarter of 2004.

Table 1 Sampling and Analysis Schedule

| Groundwater Zone | Monitoring Station | Sampling Frequency |
|---------------------------|---------------------------|---------------------------|
| Upper Zone | PB-1 | Annually |
| | PB-2 | Annually |
| | 18 | Semi-annually |
| | 28 | Semi-annually |
| | 25 | Semi-annually |
| | 26 | Semi-annually |
| | 32 | Semi-annually |
| | 33 | Semi-annually |
| | 10 | Every 5 Years |
| | 20 | Every 5 Years |
| | 14U | Every 5 Years |
| Upper / Lower Zone | 1 | Annually |
| | 3 | Semi-annually |
| | 14L | Semi-annually |
| | 21 | Semi-annually |
| | 22 | Semi-annually |
| | 8L | Every 5 Years |
| Lower Zone | 11L | Semi-annually |
| | 24 | Semi-annually |
| | 31 | Semi-annually |
| | 34 | Semi-annually |
| | 27 | Every 5 Years |

Table 1 (continued) Sampling and Analysis Schedule

| Groundwater Zone | Monitoring Station | Sampling Frequency |
|---------------------------|---------------------------|---------------------------|
| Deep Zone | 12 | Annually |
| | 16 | Semi-annually |
| | 17 | Semi-annually |
| | 29 | Semi-annually |
| | 19 | Every 5 Years |
| Sub-drain Effluent | Outfall East | Semi-annually |
| | Outfall Central | Semi-annually |
| | Outfall West | Semi-annually |

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. Groundwater and sub-drain effluent samples shall be analyzed for volatile organic compounds by EPA Method 8021. All analyses shall be performed at a laboratory certified for such analyses by the State Department of Health Services.

REPORTING

1. The results of groundwater monitoring and analysis shall be submitted to the Regional Water Board in accordance with the following schedule:

| <u>Reporting Period</u> | <u>Due Date</u> |
|--------------------------|-----------------|
| First Semi-annual Event | April 30 |
| Second Semi-annual Event | October 31 |

2. Each semi-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 TCE concentrations plotted at the same scale as the site plan;
 - h. Data tables showing all historical analytical data for each sampling station.
3. The first 2009 monitoring event shall include monitoring wells 10, 20, 14U, 8L, 27, 12, and 19. Following a review the data from that monitoring event, a report shall be submitted evaluating the effectiveness of monitored natural attenuation as a final remedy to achieve water quality objectives at the site.

Ordered by _____
 Catherine Kuhlman
 Executive Officer

May 11, 2005