

California Regional Water Quality Control Board
North Coast Region

MONITORING AND REPORTING PROGRAM R1-2004-0060

for

ANDERSON VALLEY UNIFIED SCHOOL DISTRICT BUS BARN
12300 Anderson Valley Way
Boonville
1TMC260

Mendocino County

GROUNDWATER MONITORING

1. At the time of sampling each monitoring well (MW), and prior to purging the well for sampling, each MW shall be checked for the presence or absence of free product. If free product is present, the thickness shall be measured to at least 0.01-foot increments.
2. At the time of sampling each monitoring well, and prior to purging the well for sampling, the depth to groundwater shall be determined to at least 0.01-foot increments. The data generated from the elevation readings shall be referenced to mean sea level.

GROUNDWATER SAMPLING

1. Monitoring wells MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, MW-11 and the Addison Hand Dug well (Attachment A) shall be sampled semi annually during the first and third quarters. Monitoring wells MW-8, MW-9, and MW-10 (Attachment A) shall be sampled annually during the first quarter of the year.
2. Domestic wells, designated the New School and Kival New, shall be sampled annually. Irrigation wells, designated the Kival Old, Addison Irrigation and School well will not require further sampling.

Any positive analytical results for a domestic well without a well head treatment system shall be confirmed by another sampling event performed within one week of receipt of the initial analytical results. Upon receipt of a confirmed detection above laboratory detection limits, the property owner shall be notified immediately and supplied with potable water within 10 days of receipt of the laboratory results. In addition, the quarterly sampling shall be extended to domestic wells on properties adjacent to the impacted well.

EFFLUENT MONITORING

1. Effluent sampling shall be performed at the beginning of the irrigation season.
2. Effluent sampling shall be conducted every three months after initial irrigation or after 30,000 gallons of discharge which ever comes first.

LABORATORY ANALYSIS

1. All testing shall be performed at a laboratory certified by the California Department of Health Services.
2. All groundwater samples collected from MWs and domestic wells shall be analyzed for:
 - Total Petroleum Hydrocarbons (TPH) as gas and diesel
 - Benzene, toluene, ethylbenzene, xylenes (BTEX)
3. All effluent samples collected from the groundwater treatment system will be analyzed for:
 - Total Petroleum Hydrocarbons (TPH) as gas and diesel
 - Benzene, toluene, ethylbenzene, xylenes (BTEX)

REPORTING

1. A groundwater elevation contour map shall be submitted for each monitoring event and include:
 - Location of all applicable facilities and residences
 - Groundwater flow pattern including groundwater gradient contour lines
 - Location of the monitoring wells and domestic wells
 - Location of the former underground tanks
2. Current and previous analytical results shall be reported in tables which include the following:
 - Identification of well sampled
 - Date of sample collection
 - Thickness of any floating product
 - Constituents and analytical results
 - Method detection limits
 - Volume of effluent pumped
 - Rate of pumping from extraction wells
3. Each report shall contain copies of chain of custody documents showing the time and date of collection and person collecting the sample, signed laboratory sheets including quality control data, and explanations of analytical anomalies or changes in the

groundwater treatment system, if any. These supporting documents may be included as appendices to the report.

4. Domestic well samples shall be placed on a 5-day laboratory turn-around time. All positive results shall be faxed to this agency within 24-hours upon receipt of the results by the consultant.
5. Monitoring reports, including gradient and sampling data, shall be submitted to this office and must be received by the due dates in the following schedule:

<u>Reporting Period</u>	<u>Due Date</u>
First Quarter (January, February, March)	April 15
Third Quarter (July, August, September)	October 15

Ordered by _____

Catherine E. Kuhlman
Executive Officer

August 25, 2004