

California Regional Water Quality Control Board
North Coast Region

MONITORING AND REPORTING PROGRAM NO. R1-2009-0014

For

SONOMA STATE UNIVERSITY
DOMESTIC WELL 2A WELL PURGE DISCHARGE

Sonoma County

MONITORING

Monitoring of Well Discharge

The Permittee shall monitor the discharge as follows:

Flow: Flow shall be monitored continuously during the entire period of discharge.

Turbidity, temperature, conductivity, pH, and dissolved oxygen: The discharge shall be monitored for turbidity, temperature, conductivity, pH, and dissolved oxygen twice hourly until such time that steady-state compliance conditions for all parameters is established. When a steady-state condition is reached, the sample frequency may be reduced to hourly for the next two hours, thence to daily for the remainder of the discharge, if steady-state conditions are definitively established.

Hardness: The discharge shall be monitored for hardness hourly for the first three hours. If steady-state conditions for hardness are established at a concentration of 175 mg/l or greater, then hardness monitoring may be reduced to daily for the remainder of the discharge. If the hardness of the discharge is less than 150 mg/l, the Permittee shall contact Regional Water Board staff.

Receiving Water Monitoring

Receiving Water Monitoring Locations: Receiving water monitoring stations shall be located as close to the discharge outfall as is possible to provide representative monitoring of the upstream and downstream conditions.

Turbidity, temperature, conductivity, pH, and dissolved oxygen: Receiving water shall be monitored twice daily, in the morning and the afternoon, upstream and downstream of the discharge for turbidity, temperature, conductivity, pH, and dissolved oxygen.

Hardness: Receiving water shall be monitored for hardness hourly for the first three hours of discharge. If steady-state conditions for hardness downstream of the discharge are established at a concentration of 150 mg/l or greater, then receiving water monitoring for hardness may be reduced to daily for the remainder of the discharge. If, at any time, the hardness downstream of the discharge drops below 150 mg/l, the discharge shall cease until such time that the Permittee can demonstrate that the discharge will not cause an exceedance of water quality objectives for zinc. Attachment A summarizes allowable zinc concentrations for any given hardness concentration.

Visual Monitoring

1. The Discharger shall conduct visual monitoring of Copeland Creek at the discharge outfall and downstream of the discharge outfall, and maintain a log of the visual condition of the surface water by recording the presence or absence of:
 - a. Erosion, scour
 - b. Sedimentation
 - c. Turbidity
 - d. Floating or suspended matter
 - e. Coloration
 - f. Visible films, sheens, or coatings
 - g. Odors
 - h. Algae, fungi, slimes or other aquatic vegetation
 - i. Aquatic life (insects, fish, etc)
 - j. Vectors (e.g., mosquito breeding)
 - k. Localized flooding (for a distance of ¼ mile downstream of the discharge)
 - l. Other factors affecting water quality not noted above.
2. Photographs of the temporary outfall and Copeland Creek at the point of discharge and immediately downstream shall be taken prior to the commencement of discharge, during each day of discharge and once after removal of the temporary outfall. The photographs shall be labeled with a date and time and included in the written monitoring report.

Reporting

1. The Discharger shall notify the Regional Water Board at least 48 hours prior to the initiation of discharge, by email (cgoodwin@waterboards.ca.gov) or by calling Cathy Goodwin at 707-576-2687.
2. Noncompliance Reporting. The Discharger shall report by telephone, any noncompliance with Order No. 93-61, including any violation of discharge limitations or receiving water limitations, or evidence that the discharge has adversely impacted any beneficial use of the receiving water. The telephone

report must be made directly to Cathy Goodwin (707-576-2687), or an available Regional Water Board staff member (707-576-2220), as soon as possible, but no later than 24 hours from the time the Discharger becomes aware of the circumstances.

3. A written monitoring report shall be submitted such that it is received in the Regional Water Board office no later than 15 days after the completion of the project's well development activities. Monitoring reports shall contain all monitoring results that were obtained during the project duration. In reporting the monitoring data, the Discharger shall arrange the data in tabular form so that the date and monitoring information are readily discernible. The data shall be summarized in such a manner as to illustrate clearly the compliance with Waste Discharge Requirements. The monitoring report shall also document proper disposal of any solid wastes generated during the treatment of the water discharged.

The monitoring report shall be submitted with a letter of transmittal. This letter shall include the following:

- a. Identification of facility: Name, address, WDID number;
- b. Date of report and monitoring period;
- c. A summary of the effectiveness of all treatment methods and/or management measures implemented;
- d. Identification of any violations of discharge requirements that occurred during the discharge;
- e. Details of the violations: parameters, magnitude, test results, frequency, and dates;
- f. The cause of the violation(s);
- g. Discussion of corrective actions taken to resolve violations and prevent recurrence, and dates or time schedule of action implementation;
- h. Authorized signature; and
- i. Certification statement: "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and

complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Ordered by:

Catherine E. Kuhlman
Executive Officer

February 09, 2009