

California Regional Water Quality Control Board
North Coast Region

MONITORING AND REPORTING PROGRAM NO. R1-2007-0092

For

CITY OF SEBASTOPOL
WELL 8 DEVELOPMENT

Sonoma County

This monitoring and reporting program is issued to determine compliance with Waste Order No. 93-61 (NPDES Permit No. CA0024902), General National Pollutant Discharge Elimination System Permit/Waste Discharge Requirements for Discharges of Groundwater to Surface Water Related to Construction and Subsurface Seepage Dewatering Activities in the North Coast Region and the Application/Report of Waste Discharge (General Information Form for Waste Discharge Requirements or NPDES Permit) submitted by the City of Sebastopol on September 19, 2007, and application addendums submitted on September 24 and 27, 2007.

A. MONITORING

1. Monitoring Locations

The Discharger shall establish the following monitoring locations to demonstrate compliance with the requirements of Order No. 93-61:

Monitoring Location Name	Monitoring Location Description
EFF-001	Discharge from second holding tank at well development site
Outfall 1	Calder Creek at the discharge end of the culvert near Jewell Avenue (upstream end of Ives Park)
Outfall 2	Calder Creek at the discharge end of the culvert adjacent to the Joe Rodata Trail

2. Flow Monitoring

The Discharger shall monitor the flow rate and calculate the average daily flow rate of the discharge during the entire period of discharge. A log of all startup and shutdown times shall also be maintained. The flow rate, duration, and total volume shall be monitored and reported. Flow estimates are acceptable provided that the basis for the estimate is clearly indicated in the monitoring report(s).

3. Discharge Monitoring

The Discharger shall monitor the effluent from well development activities at Monitoring Location EFF-001, for the following parameters:

Parameter	Units	Type of Sample	Sampling Frequency
Turbidity	NTU	grab or meter	Twice Daily (minimum) See "Sampling Frequency" below
Conductivity	micromhos	meter	
pH	pH units	meter	
Dissolved Oxygen	mg/l	meter	
Temperature	°C or °F		
VOCs	ug/l	grab	Daily

Sampling Frequency

Effluent monitoring shall begin within the first hour of each daily discharge and continue throughout the period of discharge. Monitoring frequency shall be appropriate to document the characteristics of each well development flow rate and to demonstrate that the quality of the water discharged is stable and in compliance with Order No. 93-61. The dates and times of all discharges to the storm drain and Calder Creek shall be documented.

4. Receiving Water Monitoring

- a. The Discharger shall monitor the receiving water, Calder Creek at Outfall 1, for the following:

Parameter	Units	Type of Sample	Sampling Frequency
Flow	gals/day	meter	Twice daily (minimum)
Turbidity	NTU	meter or grab	Twice daily (minimum)
Conductivity	micromhos/cm	meter	Twice daily (minimum)
pH	pH units	meter	Twice daily (minimum)
Dissolved Oxygen	mg/l	meter	Twice daily (minimum)
Temperature	°C or °F	meter	Twice daily (minimum)

Sampling Frequency

Receiving water monitoring shall begin within the first two hours of each daily discharge and continue throughout the period of discharge. Receiving water monitoring frequency shall be appropriate to document the in-stream effect of each well development flow rate and to demonstrate compliance with Order No. 93-61. The dates and times of all discharges to the storm drain and Calder Creek shall be documented.

- b. The Discharger shall conduct visual monitoring of the receiving water, Calder Creek at Outfall 1 and Outfall 2, and maintain a log of the visual condition of

- the surface water for every sampling event by recording the presence or absence of:
- i. Erosion, scour
 - ii. Sedimentation
 - iii. Turbidity
 - iv. Floating or suspended matter
 - v. Coloration
 - vi. Visible films, sheens, or coatings
 - vii. Odors
 - viii. Algae, fungi, slimes or other aquatic vegetation
 - ix. Aquatic life (insects, fish, etc)
 - x. Other factors affecting water quality not noted above.
- c. The Discharger shall take photographs of Outfalls 1 and 2 prior to commencement of discharge and daily during discharge, corresponding with the time of peak discharge. The photographs shall be labeled with a date and time.

B. REPORTING

1. The Discharger shall notify the Regional Water Board one day prior to the initiation of discharge, by email (cgoodwin@waterboards.ca.gov) or by calling Cathy Goodwin at 707-576-2687.
2. A daily summary of each day's discharge shall be submitted to Cathy Goodwin at the Regional Water Board. The daily summary shall identify the volume of water discharged to Calder Creek, the sanitary sewer and any other means, and shall identify whether water quality monitoring (measurements and visual monitoring) confirmed compliance with permit requirements. The daily summary may be submitted by email (cgoodwin@waterboards.ca.gov), telefax (707-523-0135, Attention: Cathy Goodwin) or hand delivered to the attention of Cathy Goodwin at 5550 Skylane Boulevard, Suite A, Santa Rosa, CA.
3. 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.
4. 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. Identification of all violations of effluent limitations or other discharge requirements found during the monitoring period;
- d. Details of the violations: parameters, magnitude, test results, frequency, and dates;
- e. The cause of the violation;
- f. Discussion of corrective actions taken or planned to resolve violations and prevent recurrence, and dates or time schedule of action implementation;
- g. Authorized signature; and
- h. 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:

Robert R. Klamt
Interim Executive Officer

October 9, 2007