

**STATE OF CALIFORNIA
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION**

**MONITORING AND REPORTING PROGRAM NO. CI-8891
FOR
1800 ROSECRANS PARTNERS, LLC
(FORMER FAIRCHILD CONTROLS FACILITY)**

**ENROLLMENT UNDER REGIONAL BOARD
ORDER NO. R4-2005-0030 (Series No. 061)
FILE NO. 1840900**

I. REPORTING REQUIREMENTS

- A. 1800 Rosecrans Partners, LLC (hereinafter Discharger) shall implement this monitoring program on the effective date of this enrollment (May 18, 2005) under Regional Board Order No. R4-2005-0030. The first monitoring report under this Program is due by July 15, 2005.

Monitoring reports shall be received by the dates in the following schedule:

<u>Reporting Period</u>	<u>Report Due</u>
January – March	April 15
April – June	July 15
July – September	October 15
October – December	January 15

- B. If there is no discharge or injection during any reporting period, the report shall so state. Monitoring reports must be addressed to the Regional Board, Attention: Information Technology Unit.
- C. By January 30 of each year, beginning January 30, 2006, the Discharger shall submit an annual summary report to the Regional Board. The report shall contain both tabular and graphical summaries of the monitoring data obtained during the previous calendar year. In addition, the Discharger shall explain the compliance record and the corrective actions taken or planned, which may be needed to bring the discharge into full compliance with the waste discharge requirements (WDRs).
- D. Each monitoring report shall contain a separate section titled “Summary of Non-Compliance” which discusses the compliance record and the corrective actions taken or planned that may be needed to bring the discharge into full compliance with WDRs. This section shall be located at the front of the report and shall clearly list all non-compliance with discharge requirements, as well as all excursions of effluent limitations.
- E. The Discharger shall comply with requirements contained in Section G of Order No. R4-2002-0030 “*Monitoring and Reporting Requirements*” in addition to the aforementioned requirements.

II. INJECTION MONITORING REQUIREMENTS FOR THE PILOT PROJECT

Calcium Polysulfide Solution Injection

The quarterly reports shall contain the following information regarding the injection activities. If there is no injection, during any reporting period, the report shall so state:

1. Location Map showing injection point for the calcium polysulfide solution
2. Written summary defining:
 - Depth of injection points;
 - Quantity of calcium polysulfide solution injected per injection point; and
 - Total amount of calcium polysulfide injected at site.
3. Monthly visual inspection at each injection well shall be conducted to evaluate the well casing integrity for a period of three months after each injection. The quarterly report shall include a summary of the visual inspection.

III. GROUNDWATER MONITORING PROGRAM FOR THE PILOT PROJECT

A groundwater-monitoring program shall be designed to detect and evaluate impacts associated with the injection activities (calcium polysulfide). The following shall constitute the monitoring program for wells EW-1S, EW-6S, EW-7S, MW-6D, TEMP 1, TEMP-2, and TEMP3 (Figure 3). These sampling stations shall not be changed and any proposed change of monitoring locations shall be identified and approved by the Regional Board Executive Officer (Executive Officer) prior to their use. The Discharger shall conduct baseline sampling from wells EW-1S, EW-6S, EW-7S, MW-6D, TEMP 1, TEMP-2, and TEMP3 solution injections and regular sampling with the required frequencies from the monitoring wells for the following constituents:

<u>CONSTITUENT</u>	<u>UNITS</u> ¹	<u>TYPE OF SAMPLE</u>	<u>MINIMUM FREQUENCY OF ANALYSIS</u>
pH ⁴	pH units	grab	Weekly ² /Monthly ³
Temperature ⁴	°F	grab	Weekly ² /Monthly ³
Oxidation-reduction potential ⁴	millivolts	grab	Weekly ² /Monthly ³
Specific conductivity ⁴	µmhos/cm	grab	Weekly ² /Monthly ³
Dissolved Oxygen ⁴	µg/L	grab	Weekly ² /Monthly ³
Acetone	µg/L	grab	Weekly ² /Monthly ³
Methyl ethyl ketone	µg/L	grab	Weekly ² /Monthly ³

Trichlorobenzene	µg/L	grab	Weekly ² /Monthly ³
Tetrachloroethene (PCE)	µg/L	grab	Weekly ² /Monthly ³
Trichloroethene (TCE)	µg/L	grab	Weekly ² /Monthly ³
Cis-1,2-dichloroethene (Cis-1,2-DCE)	µg/L	grab	Weekly ² /Monthly ³
1,1-dichloroethane (1,1-DCA)	µg/L	grab	Weekly ² /Monthly ³
1,1-dichloroethene (1,1-DCE)	µg/L	grab	Weekly ² /Monthly ³
1,2-dichloroethane (1,2-DCA)	µg/L	grab	Weekly ² /Monthly ³
1,1,1-trichloroethane (1,1,1-TCA)	µg/L	grab	Weekly ² /Monthly ³
Total dichlorobenzene (TDCB)	µg/L	grab	Weekly ² /Monthly ³
Ethylbenzene (EBN)	µg/L	grab	Weekly ² /Monthly ³
Trichlorotrifluoroethane (freon 113)	µg/L	grab	Weekly ² /Monthly ³
Xylenes	µg/L	grab	Weekly ² /Monthly ³
1,4-dioxane	µg/L	grab	Weekly ² /Monthly ³
N-nitrosodimethylamine	µg/L	grab	Weekly ² /Monthly ³
1,2,3-trichloropropane	µg/L	grab	Weekly ² /Monthly ³
Perchlorate	µg/L	grab	Weekly ² /Monthly ³
Methane	µg/L	grab	Weekly ² /Monthly ³
Total organic carbon	µg/L	grab	Weekly ² /Monthly ³
Hexavalent chromium	µg/L	grab	Weekly ² /Monthly ³
General Minerals-complete suite	mg/L	grab	Weekly ² /Monthly ³
Priority pollutants ⁶	µg/L	grab	One-time ⁵

mg/L: milligrams per liter; µg/L: micrograms per liter; µmhos/cm: microohms per centimeter;
 °F: degree Fahrenheit.

² Weekly sampling events are required for the first four weeks from the injection date or until concentrations have stabilized, whichever is later.

³ Monthly sampling events are required after the weekly sampling events until completion of the pilot project.

⁴ Field instrument will be used to test for this constituent.

⁵ One time sampling event before the injection of calcium polysulfide solution is required for this constituent from wells EW-6S, EW-7S, MW-6D, and EW-1S. If detected, weekly monitoring is required from the same monitoring.

⁶ A complete list of priority pollutants (Attachment A) is attached, but the Discharger is required to analyze only for metals (including chromium six) from wells EW-6S, EW-7S, MW-6D, and EW-1S.

All groundwater monitoring reports must include, at minimum, the following:

- a. Well identification, date and time of sampling;
- b. Sampler identification, and laboratory identification;
- c. Quarterly observation of groundwater levels, recorded to 0.01 feet mean sea level and groundwater flow direction.

IV. MONITORING FREQUENCIES

Specifications in this monitoring program are subject to periodic revisions. Monitoring requirements may be modified or revised by the Executive Officer based on review of monitoring data submitted pursuant to this Order. Monitoring frequencies may be adjusted to a less frequent basis or parameters and locations dropped by the Executive Officer if the Discharger makes a request and the request is backed by statistical trends of monitoring data submitted.

V. CERTIFICATION STATEMENT

Each report shall contain the following completed declaration:

"I certify under penalty of law that this document, including all attachments and supplemental information, was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated 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 a fine and imprisonment.

Executed on the ____ day of _____ at _____.

(Signature)

(Title)"

All records and reports submitted in compliance with this Order are public documents and will be made available for inspection during business hours at the office of the California Regional Water Quality Control Board, Los Angeles Region, upon request by interested parties. Only proprietary information, and only at the request of the Discharger, will be treated as confidential.

Ordered by: _____
Jonathan S. Bishop
Executive Officer

Date: May 18, 2005