

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

**MONITORING AND REPORTING PROGRAM NO. CI-8572
FOR
BIXBY LAND COMPANY**

**ENROLLMENT UNDER REGIONAL BOARD
ORDER NO. R4-2002-0030 (Series No. 023)
FILE NO. 908150116**

I. MONITORING AND REPORTING REQUIREMENTS

- A. Bixby Land Company (hereinafter Discharger) shall implement this monitoring program on the effective date of this enrollment (June 12, 2003) under Regional Board Order No. R4-2002-0030. The first monitoring report under this program for the monitoring period July-September 2003 shall be received at the Regional Board by October 15, 2003. Subsequent monitoring reports shall be received at the Regional Board according to the following schedule:

<u>Monitoring Period</u>	<u>Report Due</u>
January – March	April 15
April – June	July 15
July – September	October 15
October – December	January 15
Annual Summary Report	March 1 of each year

- B. Monitoring reports shall include technical information on total quantities of injected chemicals/fluids, composition of injected chemicals/fluids, and injection points/locations. 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 March 1 of each year, the Discharger shall submit an annual summary report to the Regional Board with the first annual report due March 1, 2004. The report shall contain both tabular and graphical summaries of the monitoring data obtained during the previous calendar year. In addition, the Discharger shall discuss 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.
- 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 discharger into full compliance with waste discharge requirements. 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. OXYGEN RELEASE COMPOUND (ORC) INJECTION MONITORING REQUIREMENTS

The quarterly reports shall contain the following information regarding injection activities:

1. Location Map showing injection points(s) of the ORC used during the reporting period.
2. Boring log of each injection point(s) or vertical cross-section diagram of injection point(s) indicating the placement of the ORC during the reporting period.
3. Written supplemental summary including, but not limited to:
 - ❖ Depth of injection point(s);
 - ❖ Quantity of ORC injected at each point; and
 - ❖ Total amount of ORC injected.

III. GROUNDWATER MONITORING PROGRAM

A groundwater monitoring program shall be designed to detect and evaluate impacts associated with the ORC injection activities. The following shall constitute the monitoring program for Monitoring Well Nos. 6, 7, 8, and 9. The Discharger shall conduct initial sampling from all the monitoring wells for the following groundwater parameters within one week after the construction of Monitoring Well Nos. 6, 7, 8, and 9.

<u>CONSTITUENT</u>	<u>UNITS</u>	<u>TYPE OF SAMPLE</u>	<u>MINIMUM FREQUENCY OF ANALYSIS</u>
Total Petroleum Hydrocarbon as Gasoline (EPA Method 8015M)	µg/l	grab	Quarterly
Benzene, Toluene, Ethylbenzene and Xylene (BTEX), Methyl Tertiary Butyl Ether (MTBE) and other oxygenates (EPA Method 8260B)	µg/l	grab	Quarterly
Total Organic Carbon (EPA Method 9060 Modified)	µg/l	grab	Quarterly
Total dissolved solids	mg/l	grab	Quarterly
Biochemical Oxygen Demand	mg/l	grab	Quarterly

Chemical Oxygen Demand	mg/l	grab	Quarterly
pH	pH units	grab	Quarterly
Oxidation-reduction potential	millivolts	grab	Quarterly
Groundwater depth	Feet, below ground surface (bgs)	In situ	Quarterly
Dissolved Oxygen	µg/l	grab	Quarterly
Major Anions (chloride, sulfate, nitrate, nitrite, and sulfide)	µg/l	grab	Quarterly
Major Cations (Calcium, magnesium, potassium and sodium)	µg/l	grab	Quarterly
Carbon dioxide	µg/l	grab	Annually

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: _____
Dennis A. Dickerson
Executive Officer

Date: June 12, 2003