

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

**MONITORING AND REPORTING PROGRAM NO. CI-8661
FOR
INTERSTATE BRANDS CORPORATION**

**ENROLLMENT UNDER REGIONAL BOARD
ORDER NO. R4-2002-0030 (Series No. 037)
FILE NO. 915200025**

I. REPORTING REQUIREMENTS

- A. Interstate Brands Corporation (hereinafter Discharger) shall implement this monitoring program on the effective date of this enrollment (January 9, 2004) under Regional Board Order No. R4-2002-0030. The first monitoring report under this Program is due by April 15, 2004.

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 March 1 of each year, 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 WDRs, 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. MICROORGANISMS, NUTRIENTS, AND HYDROGEN PEROXIDE INJECTION MONITORING REQUIREMENTS

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

1. Location Map showing the infiltration gallery.
2. Written summary defining:
 - Operation and maintenance of the sequencing batch reactor describing a bacterial consortium and nutrient addition with carbon source ;
 - Depth of infiltration gallery;
 - Total amount of nutrients and hydrogen peroxide injected; and
 - Frequency and date of injection of each constituent.
3. Monthly visual inspection shall be conducted to evaluate the infiltration gallery integrity for a period of six months after each injection. The quarterly report shall include a summary of the visual inspection.

III. GROUNDWATER MONITORING PROGRAM

A groundwater monitoring program shall be designed to detect and evaluate impacts associated with the microorganism, nutrients, and hydrogen peroxide injection activities. The following shall constitute the monitoring program for Monitoring Well Nos. MW-1 (upgradient); MW-4, MW-5, OW-2 (pilot test area); and OW-3, OW-4 (downgradient). These sampling stations shall remain the same 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 sampling with the required frequencies of the monitoring wells mentioned above for the following groundwater parameters:

<u>CONSTITUENT</u>	<u>UNITS</u> ¹	<u>TYPE OF SAMPLE</u>	<u>MINIMUM FREQUENCY OF ANALYSIS</u>
PH	pH units	grab	Weekly ² /Monthly ³ /Quarterly ⁴
Temperature	°F	grab	Weekly ² /Monthly ³ /Quarterly ⁴
Oxidation-reduction potential	millivolts	grab	Weekly ² /Monthly ³ /Quarterly ⁴
Specific conductivity	µmhos/cm	grab	Weekly ² /Monthly ³ /Quarterly ⁴
Dissolved Oxygen	µg/L	grab	Weekly ² /Monthly ³ /Quarterly ⁴
Ammonium Chloride	µg/L	grab	Monthly ³ /Quarterly ⁴
Sodium Tripolyphosphate	µg/L	grab	Monthly ³ /Quarterly ⁴
Total petroleum hydrocarbons (as diesel)	µg/L	grab	Baseline ⁵ and Quarterly

Chlorinated Volatile Organic Compounds (EPA Method 8260B)	µg/L	grab	Baseline ⁵ and Quarterly
Major Anions (bromide, chloride, sulfate, nitrate, nitrite, and o-phosphate, and sulfide)	mg/L	grab	Baseline ⁵ and Quarterly
Major Cations (calcium, magnesium, potassium, sodium)	mg/L	grab	Baseline ⁵ and Quarterly
Ferrous Iron	µg/L	grab	Baseline ⁵ and Quarterly
Alkalinity	mg/L	grab	Baseline ⁵ and Quarterly
Metabolic Acids (acetic, propionic, pyruvic, butyric and lactic)	µg/L	grab	Baseline ⁵ and Quarterly
Carbon dioxide	mg/L	grab	Baseline ⁵ and Quarterly
Benzene	µg/L	grab	Baseline ⁵ and Quarterly
Toluene	µg/L	grab	Baseline ⁵ and Quarterly
Ethylbenzene	µg/L	grab	Baseline ⁵ and Quarterly
Total xylenes	µg/L	grab	Baseline ⁵ and Quarterly
Methyl tertiary-butyl-ether (MTBE)	µg/L	grab	Baseline ⁵ and Quarterly
Di-isopropyl ether (DIPE)	µg/L	grab	Baseline ⁵ and Quarterly
Ethyl tertiary butyl ether (ETBE)	µg/L	grab	Baseline ⁵ and Quarterly
Tertiary amyl methyl ether (TAME)	µg/L	grab	Baseline ⁵ and Quarterly
Tertiary butyl alcohol (TBA)	µg/L	grab	Baseline ⁵ and Quarterly
Ethanol	µg/L	grab	Baseline ⁵ and Quarterly
Methane	µg/L	grab	Baseline ⁵ and Quarterly
Total dissolved solids	mg/L	grab	Baseline ⁵ and Quarterly
Boron	mg/L	grab	Baseline ⁵ and Quarterly

¹ mg/L: milligrams per liter; µg/L: micrograms per liter; µmhos/cm: microohms per centimeter; °F: degree Fahrenheit

² The first two sampling events are required within fifteen days from the injection date. The constituents can be monitored using a field test instrument.

³ Monthly sampling events are required for a period of six months.

⁴ Quarterly sampling events are required after the monthly sampling events have been completed

⁵ Sampling conducted prior to amendment injections

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 removed by the Executive Officer if the Discharger makes a request and the request is supported 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)"

Interstate Brands Corporation
Monitoring and Reporting Program No. CI-8661

File No. 915200025
Order No. R4-2002-0030

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: January 9, 2004