

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

**MONITORING AND REPORTING PROGRAM NO. CI-8624
FOR
VENTURA COUNTY FIRE DEPARTMENT
(Ventura County Fire Station # 30)**

**ENROLLMENT UNDER REGIONAL BOARD
ORDER NO. R4-2002-0030 (Series No. 033)
FILE NO. 03-108**

I. MONITORING AND REPORTING REQUIREMENTS

- A. Ventura County Fire Department (hereinafter Discharger) shall implement this monitoring program on the effective date of this enrollment (August 28, 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. If there is no discharge during any reporting period, the report shall so state. Monitoring reports must be addressed to this 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 discuss the compliance record and the corrective actions taken or planned, which may be needed to bring the discharge into full compliance with the 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 discharge 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.

August 28, 2003

- 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

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 points for the Hydrogen Peroxide with Fenton's reagent.
2. Written summary defining:
 - Depth of injection points;
 - Quantity of hydrogen peroxide with Fenton's reagent injected per injection point; and
 - Total amount of hydrogen peroxide with Fenton's reagent injected at site; and
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. WATER QUALITY MONITORING

A. Groundwater Monitoring

Representative samples of groundwater shall be obtained from upgradient wells (SP-7 and MW-13) and downgradient wells (GW-4, MW-17, SP-12, and SP-13) (Figure: Plate 2). These sampling stations shall not be changed and any proposed change of sampling locations shall be identified and approved by the Regional Board Executive Officer (Executive Officer) prior to their use.

The following shall constitute the groundwater-monitoring program:

<u>Constituent</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Minimum Frequency of Analysis</u>
pH	pH units	grab	Monthly ^{1,2} /Quarterly
Temperature	°F	grab	Monthly ^{1,2} /Quarterly
Total Petroleum Hydrocarbons (as gasoline)	µg/L	grab	Monthly ^{1,2} /Quarterly
Benzene	µg/L	grab	Monthly ^{1,2} /Quarterly
Toluene	µg/L	grab	Monthly ^{1,2} /Quarterly
Ethylbenzene	µg/L	grab	Monthly ^{1,2} /Quarterly
Total Xylenes	µg/L	grab	Monthly ^{1,2} /Quarterly
Methyl tertiary-butyl-ether	µg/L	grab	Monthly ^{1,2} /Quarterly
Dissolve Oxygen	µg/L	grab	Monthly ^{1,2} /Quarterly
Fe ⁺³	µg/L	grab	Monthly ^{1,2} /Quarterly
Total Iron	µg/L	grab	Monthly ^{1,2} /Quarterly
Oxidation-reduction potential	millivolt	grab	Monthly ^{1,2} /Quarterly
Di-isopropyl ether	µg/L	grab	One-time ¹
Ethyl tertiary butyl ether	µg/L	grab	One-time ¹
Tertiary amyl methyl ether	µg/L	grab	One-time ¹
Tertiary butyl alcohol	µg/L	grab	Twice-time ^{1,2}
Total dissolved solids	mg/L	grab	Quarterly ¹
Sulfate	mg/L	grab	Quarterly ¹
Chloride	mg/L	grab	Quarterly ¹
Boron	mg/L	grab	Quarterly ¹

¹ The first sampling event is required within fifteen days from the injection date.

² The second sampling event is required quarterly. If tertiary butyl alcohol is detected during the second sampling event, the sampling event shall continue at quarterly intervals until it is not detected

B. Groundwater Monitoring for Injection Wells

Representative samples of groundwater shall be obtained from the injection wells MW-14, MW-15, MW-18, MW-19 and MW-20 (Figure: Plate 2). These wells shall be monitoring during and after the injection for a period of three months any time that there is an injection event. These sampling stations shall not be changed and any proposed change of sampling locations shall be identified and approved by the Executive Officer prior to their use.

The following shall constitute the groundwater and injection-monitoring program for the injection wells:

<u>Constituents</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Minimum Frequency of Analysis</u>
Total injection/dripping rate	gallons/well	---	-----
pH	pH units	grab	Weekly ^{3,4} /Monthly
Temperature	°F	grab	Weekly ^{3,4} /Monthly
Dissolved oxygen	µg/L	grab	Weekly ^{3,4} /Monthly
Specific conductivity	µmhos/cm	grab	Weekly ^{3,4} /Monthly
Oxidation-reduction potential	millivolts	grab	Weekly ^{3,4} /Monthly
Fe ⁺³	µg/L	grab	Weekly ^{3,4} /Monthly
<u>Total iron</u>	<u>µg/L</u>	<u>grab</u>	<u>Weekly^{3,4}/Monthly</u>

³ For the first month after the injection, groundwater samples shall be collected and analyzed weekly. Then one sampling event is required per month for the next two months to complete the three months monitoring requirement after each injection.

⁴ The first sampling event is required within 24 hours from the injection time.

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. WASTE HAULING REPORT

In the event that wastes are hauled for further treatment or to a disposal site, the name and address of the hauler of the waste shall be reported in each quarterly monitoring report, along with quantities hauled during the quarter, and the location of the final point of disposal. If no wastes are hauled during the reporting period, a statement to that effect shall be submitted in the quarterly monitoring report.

V. OPERATION AND MAINTENANCE REPORT

The Discharger shall file a technical report with this Regional Board, no later than 30 days after receipt of these Waste Discharge Requirements, relative to the operation and maintenance program for the groundwater treatment system. The information to be contained in that report shall include, at a minimum, the following:

1. The name, address, and telephone number of the person or company responsible for operation and maintenance of the groundwater treatment system;
2. Type of maintenance (preventive or corrective); and
3. Frequency of maintenance, if preventive.

VI. 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.

VII. REMEDIATION PROGRESS REPORT

The Discharger shall submit quarterly and annual progress reports of the remediation activities conducted at the site. The progress report shall include a summary of the remediation activities conducted at the site during the reporting period and planned activities for the next reporting period.

VIII. 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: August 28, 2003