



California Regional Water Quality Control Board

Los Angeles Region

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Recipient of the 2001 *Environmental Leadership Award* from Keep California Beautiful

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Gray Davis
Governor

Winston H. Hickox
Secretary for
Environmental
Protection

July 12, 2007

Ms. Renee Etheridge
Eric Realty, Inc.
P.O. Box 1320
Redgeland, MS 39158

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
CLAIM NO. 7006 3450 0002 4641 8794

Dear Mr. Etheridge:

GENERAL WASTE DISCHARGE REQUIREMENTS FOR GROUNDWATER REMEDIATION AT PETROLEUM HYDROCARBON FUEL AND/OR VOLATILE ORGANIC COMPOUND IMPACTED SITES – ERIC REALTY SITE, 16055 HERON AVENUE, LA MIRADA, CALIFORNIA (SLIC NO. 0221, FILE NO. I-02988)

We have completed our review of your application for Waste Discharge Requirements for a groundwater cleanup operation at 16055 Heron Avenue, La Mirada, California. The groundwater cleanup operation will consist of a pump and treat module with the treated groundwater discharged back to the aquifer through a passive-infiltration system.

Eric Realty Incorporated, as the owner of the property, is responsible for the cleanup operations at this site and is subject to the terms and conditions of this permit.

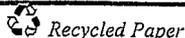
Your consultant, Pinnacle Environmental Technologies, submitted a Remediation System Modification Workplan (Workplan) dated July 20, 2004 to the Regional Board. The groundwater is contaminated with volatile organic compounds (VOCs) such as perchloroethene (PCE), trichloroethene (TCE), and cis-1,2-dichloroethene (cis 1,2 DCE). In the Workplan, groundwater pump and treat with crossgradient passive-infiltration of the treated groundwater was proposed together with soil vapor extraction. Two activated carbon vessels connected in series will treat the groundwater. On October 5, 2004, this Regional Board approved the Workplan.

A well field consisting of six extraction wells and one injection well is proposed. The design flowrate for the extraction wells (MW-1, MW-2, MW-3, RW-1, RW-2, and RW-3) is 5 gallons per minute (gpm) each well for a total of 2,500 gallons per day. These extraction wells are located downgradient and within the chlorinated hydrocarbon plume. The treated groundwater will be passively infiltrated cross-gradient through well MW-6, from approximately 40 to 70 feet below ground surface.

Regional Board staff have reviewed the information provided and have determined that the proposed discharge meets the conditions specified in Order No. R4-2007-0019, "General Waste Discharge Requirements for Groundwater Remediation at Petroleum Hydrocarbon Fuel, Volatile Organic Compound and/or Hexavalent Chromium Impacted Sites," adopted by this Regional Board on March 1, 2007.

California Environmental Protection Agency

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption
For a list of simple ways to reduce demand and cut your energy costs, see the tips at: <http://www.swrcb.ca.gov/news/echallenge.html>



Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.

Ms. Renee Etheridge
Eric Realty, Inc.

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July 12, 2007

Enclosed are your Waste Discharge Requirements, consisting of Regional Board Order No. R4-2007-0019 (Series No. 022) and Monitoring and Reporting Program No. CI-9286.

The Monitoring and Reporting Program requires you to implement the monitoring program on the effective date of this enrollment (July, 2007) under Regional Board Order No. R4-2007-0019. All monitoring reports should be sent to the Regional Board, ATTN: Information Technology Unit.

When submitting monitoring or technical reports to the Regional Board per these requirements, include a reference to Compliance File No. CI-9286, which will assure that the reports are directed to the appropriate file and staff. Also, do not combine other reports with your monitoring reports. Submit each type of report as a separate document. We are including a copy of Order No. R4-2007-0019.

If you have any additional questions, please contact Mr. Don Indermill at (213) 576-6811.

Sincerely,



Deborah J. Smith
Interim Executive Officer

Enclosures:

1. Board Order No. R4-2007-0019
2. Monitoring and Reporting Program No. CI-9286
3. Standard Provisions applicable to Waste Discharge Requirements

cc: Ms. Diane Becker, Advanced GeoEnvironmental, Inc.

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

MONITORING AND REPORTING PROGRAM NO. CI-9286
FOR
ERIC REALTY, INCORPORATED

ENROLLMENT UNDER REGIONAL BOARD
ORDER NO. R4-2007-0019 (Series No. 022)
FILE NO. 07-094

I. REPORTING REQUIREMENTS

- A. Eric Realty Incorporated (hereinafter Discharger) shall implement this monitoring program on the effective date of this enrollment (July 12, 2007) under Regional Board Order No. R4-2007-0019. The first monitoring report under this Program is due by October 15, 2007.

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 discharge requirements, as well as all excursions of effluent limitations.
- E. The Discharger shall comply with requirements contained in Section G of Order No. R4-2007-0019 "*Monitoring and Reporting Requirements*" in addition to the aforementioned requirements.

II. TREATED GROUNDWATER INJECTION MONITORING REQUIREMENTS

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

1. Location Map showing the injection point for the treated groundwater, and
2. Written summary defining:
 - Depth of injection point;
 - Volume and quantity of treated groundwater injected.

III. GROUNDWATER MONITORING PROGRAM

A groundwater-monitoring program shall be designed to detect and evaluate impacts associated with the treated groundwater injection activities. The following shall constitute the monitoring program for Monitoring Wells Nos. MW-5, MW-8 (plume area), MW-10 (upgradient), and MW-9 (downgradient). 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 one or two weeks prior to treated groundwater injection and regular sampling with the required frequencies of 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>
Temperature ¹	°F	grab	Quarterly ²
pH ¹	pH units	grab	Quarterly ²
Oxidation-reduction potential ¹	millivolts	grab	Quarterly ²
Specific conductivity ¹	µmhos/cm	grab	Quarterly ²
Vinyl Chloride	µg/L	grab	Quarterly ²
Tetrachloroethene (PCE)	µg/L	grab	Quarterly ²
Trichloroethene (TCE)	µg/L	grab	Quarterly ²
Cis-1,2-dichloroethene (Cis-1,2-DCE)	µg/L	grab	Quarterly ²
Trans-1,2-dichloroethene (Trans-1,2-DCE)	µg/L	grab	Quarterly ²
1,1-dichloroethene (1,1-DCE)	µg/L	grab	Quarterly ²

1,2-dichloroethane (1,2-DCA)	µg/L	grab	Quarterly ²
1,1,1-trichloroethane (1,1,1-TCA)	µg/L	grab	Quarterly ²
Carbon tetrachloride	µg/L	grab	Quarterly ²
1,2,4-trimethylbenzene	µg/L	grab	Quarterly ²
1,1,2-trichloroethane	µg/L	grab	Quarterly ²
Dissolved organic carbon	µg/L	grab	Quarterly ²
Manganese	µg/L	grab	Quarterly ²
Total iron	µg/L	grab	Quarterly ²
Ferrous iron	µg/L	grab	Quarterly ²
Alkalinity	µg/L	grab	Quarterly ²
Total dissolved solids	mg/L	grab	Quarterly ²
Sulfate	mg/l	grab	Quarterly ²
Chloride	mg/L	grab	Quarterly ²
Nitrate	mg/L	grab	Quarterly ²
Carbon dioxide	mg/L	grab	Quarterly ²
1,4-Dioxane	µg/L	grab	One-time ³
1,2,3-trichloropropane	µg/L	grab	One-time ³

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

¹ Field instrument will be used to test for this constituent.

² Quarterly sampling events are required after the six months sampling event for monitoring wells MW-5, MW-8, MW-9, and MW-10.

³ One time sampling event before the injection of treated groundwater is required for **all wells on and off site**. If detected, quarterly monitoring is required from the same monitoring wells.

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:



Deborah J. Smith
Interim Executive Officer

Date: July 12, 2007