



California Regional Water Quality Control Board

Los Angeles Region

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August 9, 2004

Ms. Abbe Burns
Ventura County Fire Department
165 Durley Avenue
Camarillo, CA 93010

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
CLAIM NO. 7002 2410 0005 0647 5115

Dear Ms. Burns:

AMENDMENT TO ENROLLMENT UNDER GENERAL WASTE DISCHARGE REQUIREMENTS AND MONITORING AND REPORTING PROGRAM – VENTURA COUNTY FIRE STATION # 30, 325 HILLCREST DRIVE, THOUSAND OAKS, CALIFORNIA (FILE NO. 03-108, CI NO. 8624)

We received a letter dated May 7, 2004 from your consultant (Applied Environmental Technologies, Inc.) requesting modifications to the terms of the enrollment under the general Waste Discharge Requirements Order No. R4-2002-0030 (Series No. 033). Your consultant proposed in the letter to continue passive infiltration of hydrogen peroxide with Fenton's reagent into the permitted wells (MW-14, MW-15, MW-18, MW-19, and MW-20) and the infiltration into twelve additional wells (GW-1, GW-2, GW-3, GW-4, MW-1, MW-2, MW-3, MW-4, MW-6, MW-13, SP-10, and SP-12). This would bring the total number of injection wells to 17. The proposed injection schedule for the 17 injection wells is shown in Table 1 (attachment). In addition, your consultant requested a reduction of the monitoring frequency for the Monitoring and Reporting Program (MRP) No. CI-8624.

After a review of the information in our file and the information provided by your consultant, the Los Angeles Regional Water Quality Control Board Interim Executive Officer hereby approves your request to modify the terms of the enrollment and your request for reduction of monitoring frequency as follows (additions are bolded and deletions are struck out):

Change No 1: Section III.A, Groundwater Monitoring on page T-2 has been changed to read as follows:

III.A. 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)~~ **MW-2B, MW-5, MW-7, MW-8, MW-9, MW-10, MW-12**, MW-13, MW-17, SP-7, 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 table summarizes the changes of the groundwater monitoring frequency:

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

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

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

Change No 2: Section III.B, Groundwater Monitoring for Injection Wells on page T-3 has been changed to read as follows:

III.B. Representative samples of groundwater shall be obtained from the injection wells **GW-1, GW-2, GW-3, GW-4, MW-1, MW-2, MW-3, MW-4, MW-6, MW-14, MW-15, MW-18, MW-19, MW-20, SP-10, and SP-12** (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>Unit</u>	<u>Type of of Analysis</u>	<u>Minimum Frequency of Analysis</u>
Total injection/dripping rate	gallons/well	---	-----

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pH	pH units	grab	Weekly ^{3,4} /Monthly ³
Temperature	°F	grab	Weekly ^{3,4} /Monthly ³
Dissolved oxygen	µg/L	grab	Weekly ^{3,4} /Monthly ³
Specific conductance	µmhos/cm	grab	Weekly ^{3,4} /Monthly ³
Oxidation-reduction potential	millivolts	grab	Weekly ^{3,4} /Monthly ³
Fe ⁺³	µg/L	grab	Weekly ^{3,4} /Monthly ³
Total iron	µg/L	grab	Weekly ^{3,4} /Monthly ³
Total Petroleum Hydrocarbons (as gasoline)	µg/L	grab	Semi-annually
Benzene	µg/L	grab	Semi-annually
Toluene	µg/L	grab	Semi-annually
Ethylbenzene	µg/L	grab	Semi-annually
Total Xylenes	µg/L	grab	Semi-annually
Methyl tertiary-butyl-ether	µg/L	grab	Semi-annually
Di-isopropyl ether	µg/L	grab	Semi-annually
Ethyl tertiary butyl ether	µg/L	grab	Semi-annually
Tertiary amyl methyl ether	µg/L	grab	Semi-annually
Tertiary butyl alcohol	µg/L	grab	Semi-annually

³ The first sampling event is required within 24 hours from the injection time.

Enclosed is the amended Monitoring and Reporting Program No. CI-8624. Please note that the amended MRP is effective as of August 9, 2004.

If you have any additional questions, please contact Mr. Orlando H. Gonzalez at (213) 620-2267 or Dr. Kwang Lee at (213) 620-2269.

Sincerely,

Jonathan Bishop
Interim Executive Officer

Enclosure

cc: Mr. Robert Sams, Office of Chief Counsel, State Water Resources Control Board
Mr. Michael Lauffer, Office of Chief Counsel, State Water Resources Control Board
Mr. James Evans, Ventura County Environmental Health Division, Liquid Waste
Ms. Melinda Talent, Ventura County Environmental Health Division, Land Use Unit
Mr. K. Craig Klein, LUFT Program, Ventura County Environmental Health Division
Mr. J. F. Fakhoury, Ventura County Public Works
Mr. George Ehrhardt, City of Thousand Oaks
Ms. Carol B. Shestag, Applied Environmental Technologies, Inc.

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