



Dr. Alan Lloyd  
Secretary for  
Environmental  
Protection

# California Regional Water Quality Control Board

## Los Angeles Region

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



Arnold Schwarzenegger  
Governor

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December 27, 2004

Mr. Michael Arvidson  
HR Textron Inc.  
25200 Rye Canyon Road  
Santa Clarita, CA 91355-1265

**GENERAL WASTE DISCHARGE REQUIREMENTS  
(ORDER NO. R4-2002-0030, SERIES NO. 52, CI NO. - 8821)  
FOR HYDROGEN RELEASE COMPOUND, SODIUM LACTATE, SUCROSE AND/OR  
GLUCOSAMINE SOLUTION INJECTION – HR TEXTRON, INC, 25200 RYE CANYON ROAD,  
SANTA CLARITA, CALIFORNIA  
(FILE NO. 98-013, SLIC NO. 669, SITE ID NO. 2041Y00)**

Dear Mr. Arvidson:

Regional Board staff have completed our review of your application for coverage under General Waste Discharge Requirements (WDR) to inject hydrogen release compound (HRC), sodium lactate, sucrose and/or glucosamine into the shallow aquifer underlying the site for groundwater remediation, and have determined that the proposed discharge meets the conditions specified in Regional Board Order No. R4-2002-0030, "*General Waste Discharge Requirements for Groundwater Remediation at Petroleum Hydrocarbon Fuel and/or Volatile Organic Compound Impacted Sites,*" adopted by this Regional Board on January 24, 2002. Refer to the attached Fact Sheet.

The primary contaminants in groundwater at the HR Textron, Santa Clarita site are trichloroethene (TCE), 1,1,1-trichloroethane (1,1,1-TCA), and their breakdown products 1,1-dichloroethene (1,1-DCE), and 1,1-dichloroethane (1,1-DCA). A soil vapor extraction system operated at the site from 1991 until 1996. In the late 1980's a groundwater extraction and treatment system was installed downgradient of the source area to reduce contaminated groundwater migration. Bioaugmentation began in 1999, with the injection of a dilute solution of sodium lactate and sucrose, under WDR (Order No. 99-055) which expired on June 30, 2004. The proposed injection is intended to improve remediation of halogenated volatile organic compounds in groundwater.

You may begin to inject HRC, sodium lactate, sucrose, and/or glucosamine into groundwater immediately, into the HR Textron contaminant plume at approximately Latitude: N33.1008°, Longitude: W-117.0660°.

Enclosed are your Waste Discharge Requirements, consisting of Regional Board Order No. R4-2002-0030 (Series 052) and Monitoring and Reporting Program No. CI-8821. Please note that the discharge limits in Attachment A (DWR Basin No. 4-4.07 (Santa Clara – Bouquet & San Francisquito Canyons)) of this Order No. R4-2002-0030 are applicable to your discharge.

The "Monitoring and Reporting Program" requires you to implement the monitoring program on the effective date of this enrollment (December 22, 2004) under Regional Board Order No. R4-2002-0030. All monitoring reports shall be sent to the Regional Board, ATTN: Information Technology Unit.

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Mr. Michael Arvidson  
HR Textron Inc.

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When submitting monitoring or technical reports to the Regional Board per these requirements, please include a reference to 'Compliance File No. CI-8821', which will assure that the reports are directed to the appropriate file and staff. Also, please do not combine other reports with your monitoring reports. Submit each type of report as a separate document.

We are sending a copy of Order No. R4-2002-0030 only to the applicant. A copy of the Order will be furnished to anyone who requests it.

**If you have any questions, please contact Mr. Peter Raftery at (213) 576-6724.**

Sincerely,

Jonathan Bishop  
Executive Officer

Enclosures:

- 1) Fact Sheet
- 2) General Waste Discharge Requirements, Order No. R4-2002-0030
- 3) Monitoring and Reporting Program, CI No. 8821

cc: Kevin Ritter, Applied Hydrology Associates, Inc., Denver

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