



California Regional Water Quality Control Board

Los Angeles Region



Winston H. Hickox
Secretary for
Environmental
Protection

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320 W. 4th Street, Suite 200, Los Angeles, California 90013
Phone (213) 576-6600 FAX (213) 576-6640 - Internet Address: <http://www.swrcb.ca.gov/rwqcb4>

May 28, 2002

Mr. Will Tipton, Vice-President
M & H Realty Partners III, L.P.
1721 W. Imperial Highway, Suite G
La Habra, CA 90631

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
CLAIM NO. 7001 2510 0000 4661 8416

Dear Mr. Tipton:

GENERAL WASTE DISCHARGE PERMIT COVERAGE (ORDER NO. R4-2002-0030: SERIES 001) FOR PROPOSED HYDROGEN RELEASE COMPOUND (HRC™) INJECTION TO GROUNDWATER AT ONE-HOUR MARTINIZING DRY CLEANERS AT LAKEWOOD SQUARE (OWNED BY M&H REALTY PARTNERS), LAKEWOOD STREET AND HARDWICK STREET, LAKEWOOD, CALIFORNIA (SLIC NO. 737)

We have completed our review of your application for coverage under General Waste Discharge Requirements to inject Hydrogen Release Compound (HRC™) to groundwater at the subject site for use in in-situ bioremediation to address the volatile organic compounds in groundwater.

A barrier system consisting of 8 barriers injection rows with approximately 54 injection points total, is proposed for the One Hour Martinizing site. HRC is a viscous liquid with the consistency of honey, and will be injected at the site by direct-push equipment. The injection rate per injection point is approximately 5 pounds of HRC product per vertical foot to the saturated zone, from approximately 25 to 50 feet below ground surface. Approximately 7,000 pounds of pure HRC, total, will be injected at the site. At this point, it is expected that a one-time injection should be adequate to remediate the plume. The migration of the HRC and products is expected to travel with groundwater up to approximately 50 feet per year. After one year, it is expected that the in-situ bioremediation and VOC dechlorination will be complete, that the HRC product and its substrates will have been metabolized, without any degradation associated with the groundwater.

The injection activities are expected to start on May 28, 2002. Any potential adverse water quality impacts that may result will be localized, of short-term duration, and will not impact any existing or prospective uses of groundwater. Groundwater quality will be monitored to verify no long-term adverse impact to water quality. There may be small increases associated with soluble gases such as methane, ethane, ethene, and carbon dioxide. The One Hour Martinizing site is located in the City of Lakewood at Latitude: N33° 51' 05", Longitude: W118° 8' 42". The quantities of HRC injected will be required to be documented per the Monitoring and Reporting Program No. 8401.

Regional Board staff have reviewed the information provided 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.

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.

Mr. Will Tipton
M & H Realty Partners III, L.P.
One Hour Martinizing

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May 28, 2002

Enclosed are your Waste Discharge Requirements, consisting of Regional Board Order No. R4-2002-0030 (Series 001) and Monitoring and Reporting Program No. CI-8401. Please note that the discharge limits in Attachment A (DWR Basin No. 4-11 (Central Basin)) 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 (May 28, 2002) under Regional Board Order No. R4-2002-0030. 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, please include a reference to "Compliance File No. CI-8401", 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 me (213) 576-6605, or Kwang-il Lee at (213) 620-2269.

Sincerely,

Dennis A. Dickerson
Executive Officer

Enclosures

Board Order No. R4-2002-0030
Monitoring and Reporting Program No. CI-8401
Fact Sheet

cc: Mr. Mike Floyd, Division of Water Quality, State Water Resources Control Board
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. Jeffrey Hu, California Regional Water Quality Control Board – Los Angeles Region
Mr. Richard Wagner, Department of Health Services, County of Los Angeles
Ms. Melinda A. Sperry, Water Replenishment District of Southern California
Mr. Paris Hajali, Haley and Aldrich, Inc.
Mr. Jeremy Squire, Haley and Aldrich, Inc.
Ms. Lindsey Thomas, Environmental Program Management, LLC
Mr. Patrick Randall, REGENESIS

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