



California Regional Water Quality Control Board

Los Angeles Region



Linda S. Adams
Agency Secretary

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

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Arnold Schwarzenegger
Governor

July 21, 2006

Mr. Harold Kitay
Harold R. and Pearl Kitay Family Trust
P.O. Box 31058
Tustin, AZ 85712

Dear Mr. Kitay:

GENERAL WASTE DISCHARGE REQUIREMENTS FOR HRC INJECTION AT PETROLEUM HYDROCARBON FUEL AND/OR VOLATILE ORGANIC COMPOUND IMPACTED SITES – FORMER BURTON PLATING FACILITY, 6341 ARIZONA CIRCLE, LOS ANGELES, CALIFORNIA (SLIC No. 0198, FILE NO. 06-139, CI NO. 9131)

Harold R. and Pearl Kitay Family Trust (hereinafter Discharger) owns the Former Burton Plating Facility (Site) located at 6341 Arizona Circle in Los Angeles, California (Figure 1). The Discharger has been operating a plating business at this location since 1973.

The Site is located in the Los Angeles Coastal Plain - Central Basin. The groundwater occurs in Recent and Pleistocene aquifers throughout the Central Basin. The Silverado Aquifer is present beneath the Site. Perched groundwater is currently encountered at approximately 22 to 26 feet below ground surface (bgs). Historical records for this site show groundwater at a maximum depth of 42 feet bgs. Groundwater flow direction is to the southeast at an average gradient of approximately 0.001 feet per foot.

On March 2, 2006, the Discharger submitted an "Application for General Waste Discharge Permit for Proposed Injection of Hydrogen-Releasing Compound (HRC) for Groundwater Remediation" (Workplan) at the above referenced site to test its effectiveness for the bio-remediation of groundwater contaminated with volatile organic compounds (VOC's).

Seven groundwater monitoring wells were installed on-site (MW-1 through MW-4, W-1, W-2, and DW-1). Trichloroethene (TCE) has been detected in all of the wells with concentrations ranging from 1.6 micrograms per liter ($\mu\text{g/L}$), in well W-1, to 25,000 $\mu\text{g/L}$, in well MW-3. Well MW-3 is closest to the source; MW-1 and W1 are upgradient of the source locations (Figure 2). The borings located to the south of the Site indicate that the VOC plume has migrated offsite.

On April 6, 2005, the Discharger submitted a report entitled "*Groundwater Extraction and Off-site Treatment Pilot Study*" proposing to inject HRC at the Former Burton Plating Facility. Regional Water Quality Control Board staff (Mr. Dixon A. Oriola, Cleanup Unit II) approved the Plan on April 20, 2005.

The pilot test will be conducted around the former clarifier and in the North Western corner of the building where the release originally occurred. HRC will be injected into 12 injection points

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within the perched zone at a depth of 25 to 35 feet bgs (Figure 3). Approximately 50 pounds of HRC per injection point will be injected resulting in a total of approximately 600 pounds of HRC for the entire injection field.

Any potential adverse water quality impacts that may result shall be localized, of short-term duration, and shall not impact any existing or prospective uses of groundwater. Groundwater quality shall 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 Site is located in the City of Los Angeles at Latitude: 33.98343° and Longitude: 118.39654°. The quantities of HRC injected shall be documented per Monitoring and Reporting Program No. CI-9131.

Regional Board staff have reviewed the information provided and have determined that the proposed discharge meets the conditions specified in Board Order No. R4 - 2005 - 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 April 19, 2005.

Enclosed are your Waste Discharge Requirements, consisting of Regional Board Order No. R4-2005-0030 ([Series No. 050](#)) and Monitoring and Reporting Program No. [CI-9131](#) and Standard Provisions. Please note that the discharge limits in Attachment A (Los Angeles Coastal Plain - West Coast Basin) of Order No. R4-2005-0030 are applicable to your discharge.

The Monitoring and Reporting Program requires you to implement the monitoring program on the effective date of this enrollment ([July 21, 2006](#)) under Regional Board Order No. R4-2005-0030. All monitoring reports shall 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-9131](#), which will assure that the reports are directed to the appropriate file and staff. 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. R4-2005-0030 only to the applicant. A copy of the Order will be furnished to anyone who requests it.

For any additional information, please call Mr. Doug Cross at (213) 620-2246, or email to dcross@waterboards.ca.gov.

Sincerely,

Jonathan Bishop
Executive Officer

Enclosures:

California Environmental Protection Agency



1. Board Order No. R4-2005-0030
2. Monitoring and Reporting Program No. CI-9131
3. Standard Provisions Applicable to Waste Discharge Requirements (addressee only)

cc: Mr. Dixon Oriola, Los Angeles Regional Water Quality Control Board –
CleanuUnit II
Mr. Kirk Thompson, Environmental Support Technologies, Inc.

