



California Regional Water Quality Control Board

Los Angeles Region



Terry Tamminen
Secretary for
Environmental
Protection

Over 51 Years Serving Coastal Los Angeles and Ventura Counties
Recipient of the 2001 *Environmental Leadership Award* from Keep California Beautiful

Arnold Schwarzenegger
Governor

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>

March 22, 2004

Mr. Neil Ziemba
International Risk Assumption-Downey, LLC
7991 Shaffer Parkway, Suite 100
Littleton, Colorado 80127

GENERAL WASTE DISCHARGE REQUIREMENTS IN-SITU BIOREMEDIATION COVERAGE (ORDER NO. R4-2002-0030: SERIES 047) REMEDIATION, FORMER NATIONAL AERONAUTICS AND SPACE ADMINISTRATION (NASA) INDUSTRIAL COMPLEX, 12214 LAKEWOOD BOULEVARD, DOWNEY (SLIC NO. 302C, FILE NO. 97-197)

Dear Mr. Ziemba:

We have completed our review of the General Waste Discharge Requirements (WDR) Permit Application (Application) dated December 26, 2004, to inject a carbohydrate solution into groundwater at the subject site for in-situ bioremediation volatile organic compounds (VOCs) in groundwater.

International Risk Assumption – Downey, LLC (IRAD) proposes to remediate groundwater at the former NASA industrial complex (Site) by injecting a carbohydrate solution (consisting of 10% to 20% molasses) into the groundwater and create an “in situ reactive zone” increasing the number of microorganisms and accelerating the rate of biodegradation. On July 15, 2003, the Regional Board approved the “In-Situ Reactive Zone Interim Measure Source Reduction Remedial Action Plan” (RAP), prepared by Arcadis G&M, dated May 20, 2003.

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 attached fact sheet.

Enclosed are your Waste Discharge Requirements, consisting of Regional Board Order No. R4-2002-0030 (Series 047) and Monitoring and Reporting Program No. CI-8724. 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 and reporting program on the effective date of this enrollment under Regional Board Order No. R4-2002-0030. 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-8724,” which will assure that the reports are directed to

California Environmental Protection Agency



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

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.

Please call Mr. John Geroch at (213) 576-6737, or Dr. Rebecca Chou at (213) 576-6733 if you have any questions.

Sincerely,

Dennis A. Dickerson
Executive Officer

Enclosures

1. Fact Sheet
2. Board Order No. R4-2002-0030
3. Standard Provisions Applicable to Waste Discharge Requirements
4. Monitoring and Reporting Program No. CI-8724

cc: Robert Sams, Office of Chief Counsel, State Water Resources Control Board
Michael Lauffer, Office of Chief Counsel State Water Resources Control Board
Gordon Innes, Division of Water Quality, State Water Resources Control Board
Mike Floyd, Division of Water Quality, State Water Resources Control Board
Richard Wagner, Department of Health Services, County of Los Angeles
Vera Melnyk-Vecchio, State Department of Health Services, Drinking Water
Field Operations Branch
Cheryl Ross, West Basin Municipal Water District
Chris Nagler, Watermaster - California Department of Water Resources
Jeffrey Friedman, Arcadis G&M
Melinda A. Sperry, Water Replenishment District of Southern California
Jose Reymosa, LAC-DHS-Well Permits

