California Regional Water Quality Control Board

Los Angeles Region

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

Linda S. Adams
Agency Secretary

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

Arnold Schwarzenegger
Governor

June 2, 2006

Mr. Don Bock
Mission Linen Supply
702 East Montecito Street
Santa Barbara, CA 93103

Dear Mr. Bock:

GENERAL WASTE DISCHARGE REQUIREMENTS FOR OLEATE INJECTION AT PETROLEUM HYDROCARBON FUEL AND/OR VOLATILE ORGANIC COMPOUND IMPACTED SITES – FORMER MISSION LINEN SUPPLY FACILITY, 11904 - 11920 EAST WASHINGTON BOULEVARD, SANTA FE SPRINGS, CALIFORNIA (FILE NO. 06-012, CI NO. 9021)

Mission Linen Supply (hereinafter Discharger) owns the Former Mission Linen Supply Facility (Site) located at 11904 - 11920 East Washington Boulevard in Santa Fe Springs, California (Figure 1). The Discharger has been operating a laundry and dry cleaning 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 perched aquifer of the Bellflower Aquiclude and the Gaspur Aquifer is present beneath the Site. Perched groundwater is encountered at approximately 35 feet below ground surface (bgs). Groundwater flow direction is to the west south-west at an average gradient of approximately 0.001 feet per foot.

On August 8, 2005, the Discharger submitted a report entitled “Organic Substrate Injection Field Execution Plan” (Plan) proposing to inject oleate at the above referenced site to test its effectiveness for the bio-remediation of groundwater contaminated with volatile organic compounds.

Seven groundwater monitoring wells were installed on-site (MW-1 through MW-5, MW-7, and MW-8). Tetrachloroethene (PCE) has been detected in all of the wells with concentrations ranging from 0.67 micrograms per liter (µg/L), in well MW-4, to 24,600 µg/L, in well MW-2. Wells MW-1, MW-2, and MW-3 are closest to the source, MW-4 is upgradient, and the remaining wells are downgradient of the source location (Figure 2). The borings located to the south of the Site indicate that the volatile organic compound (VOC) plume has migrated offsite.

On September 30, 2004, the Discharger submitted the “Workplan for Additional Groundwater Investigation, Aquifer Testing, and Remedial Pilot Testing, Former Mission Linen Supply”.

Regional Water Quality Control Board staff (Mr. Dixon A. Oriola, Cleanup Unit II) approved the Plan on January 4, 2005.

The pilot test will be conducted in a 35 feet wide by 40 feet long area located approximately 150 feet downgradient of the subject site. The oleate will be applied to the saturated zone using a single stroke injection pump. Oleate will be injected into twelve injection points within the perched zone at a depth of 35 to 55 feet bgs (Figure 3). Approximately 38 gallons of oleate per injection point will be injected resulting in a total of approximately 456 gallons of oleate for the entire injection field.

Baseline groundwater sampling for VOCs and biological parameters will be conducted on monitoring well MW-5 (immediately adjacent) and two new monitoring wells (SGI-01 and SGI-02). The two new monitoring wells were installed on March 21, 2005, and both are screened at a depth of 35 to 55 feet bgs.

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 Santa Fe Springs at Latitude: 33° 58' 3" and Longitude: 118° 3' 29". The quantities of oleate injected shall be documented per the Monitoring and Reporting Program No. CI-9021.

Regional Board staff have reviewed the information provided and have determined that the proposed discharge meets the conditions specified in 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. 043) and Monitoring and Reporting Program No. CI-9021 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 (May 5, 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-9021, 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:
1. Board Order No. R4-2005-0030
2. Monitoring and Reporting Program No. CI-9021
3. Standard Provisions Applicable to Waste Discharge Requirements (addressee only)

cc: Mr. Dixon Oriola, Los Angeles Regional Water Quality Control Board – CleanuUnit II
Mr. Dan Grasmic Clark, The Source Group, Inc.