



# California Regional Water Quality Control Board Los Angeles Region



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September 19, 2003

Mr. Robert Paschke, P.E.  
Environmental Engineering Manager  
3M Environmental, Technology and Safety Services  
900 Bush Avenue, Building 42-2E-27  
St. Paul, Minnesota, 55106

**GENERAL WASTE DISCHARGE REQUIREMENTS (ORDER NO. R4-2002-0030, SERIES NO. 34, CI NO. - 8641) FOR PROPOSED INFILTRATION OF TREATED GROUNDWATER FOR LANDSCAPE IRRIGATION - 3M PHARMACEUTICALS, 19901 NORDHOFF STREET, NORTHRIDGE, CALIFORNIA (SLIC NO. 372, SITE ID NO. 2041300)**

Dear Mr. Paschke:

We have completed our review of your application for coverage under General Waste Discharge Requirements (WDR) to infiltrate treated groundwater into the shallow aquifer underlying the site for irrigation, as a modification to the operation of ongoing groundwater remediation system currently at the site.

The primary contaminants of concern (COCs) in groundwater at the 3M Pharmaceuticals include chloroform, perchloroethene (PCE), trichloroethene (TCE), 1,2-dichloroethane (1,2-DCA), Freon-11, methylene chloride, carbon tetrachloride, and gasoline constituents. The groundwater remediation system is a groundwater pump and treat system. The groundwater pump and treat system withdraws contaminated groundwater and treats it using two air stripping towers operated in series. A third tower as a standby during maintenance. The treated groundwater (effluent) is discharged to surface water (Winnetka Avenue storm drain) west of the site, under National Pollutant Discharge Elimination System (NPDES) No. CA 0063312, issued by the Los Angeles Regional Water Quality Control Board (Regional Board), or used in the facility's air handling system. The system design flow rate is 144,000 gallons per day (gpd). Currently, the system treats approximately 60,000 gpd. Of the 60,000 gallons, approximately 32,000 are beneficially used in the facility's air handling equipment.

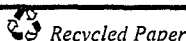
The proposed system modification expands the beneficial reuse of the treated groundwater. The treatment system effluent, that is not used in the facility's air-handling equipment, will be diverted to a holding tank, and used to irrigate landscaping.

You may begin to infiltrate the treated groundwater immediately, at 3M Pharmaceuticals facility, approximately at Latitude: N34° 13' 54", Longitude: W118° 34' 13".

Because the system influent, intermediate, and effluent water are monitored and analyzed throughout the remediation process according to NPDES permit requirements, you may use the same set of data for Monitoring and Reporting Program CI-8641 of this WDR. In addition, the volume of the infiltrated groundwater shall be documented per the Monitoring and Reporting Program CI-8641.

**California Environmental Protection Agency**

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\*\*\*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. Paschke  
3M Environmental Technology and Safety Services

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September 19, 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 the attached Fact Sheet.

Enclosed are your Waste Discharge Requirements, consisting of Regional Board Order No. R4-2002-0030 and Monitoring and Reporting Program CI-8641. Please note that the discharge limits in Attachment A (DWR Basin No. 4-12 (San Fernando Basin, west of the 405)) of this Order No. R4-2002-0030 are applicable to your discharge.


The Monitoring and Reporting Program (CI-8641) requires you to implement the monitoring program on the effective date of this enrollment (September 19, 2003) under Regional Board Order No. R4-2002-0030. All monitoring reports (two copies each) 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-8641", 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 Rafferty at (213) 576-6724.**

Sincerely,

  
Dennis A. Dickerson  
Executive Officer


Enclosures:

- 1) Fact Sheet
- 2) General Waste Discharge Requirements, Order No. R4-2002-0030
- 3) Monitoring and Reporting Program, CI No. 8641

cc: Mr. Mike Floyd, Division of Water Quality, State Water Resources Control Board  
Mr. Richard Wagner, Department of Health Services, County of Los Angeles  
Mr. Mark Mackowski, Upper Los Angeles River Area Water Master, Los Angeles  
Mr. Jaisimha Kesari, Weston Solutions, Inc., West Chester, Pennsylvania

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