



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>

October 29, 2004

Mr. Tom Ebbert
PPG Industries, Inc.
One PPG Place
Pittsburgh, PA 15272

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
CLAIM NO. 7003 3110 0003 3258 3717

Dear Mr. Ebbert:

GENERAL WASTE DISCHARGE REQUIREMENTS FOR GROUNDWATER REMEDIATION INJECTION AT PETROLEUM HYDROCARBON FUEL AND/OR VOLATILE ORGANIC COMPOUND IMPACTED SITES – FORMER PPG INDUSTRIES, INC, 465 CRENSHAW BOULEVARD, TORRANCE, CALIFORNIA (FILE NO. 905030170, CI NO. 8815)

We have completed our review of your application for coverage under General Waste Discharge Requirements for the re-injection of treated groundwater into the shallow aquifer at the above referenced site in Torrance, California.

PPG Industries, Inc. (hereinafter Discharger) owns a former facility commonly known as the PPG Industries, Inc. facility (Site) located at 465 Crenshaw Boulevard in Torrance, California (Latitude: 118° 19' 44.4", Longitude: 33° 50' 29.65"). The Site formerly housed office and manufacturing buildings and distribution facilities. Previously onsite was a 2,000-gallon underground storage tank (UST), which was used to store gasoline until the mid-1970s. This UST was excavated and removed from the site in 1999. Site investigations indicate that soil and groundwater have been contaminated with volatile organic compounds (VOCs). The VOCs identified in the soil and groundwater include total petroleum hydrocarbon as gasoline (TPHg), benzene, toluene, ethylbenzene, xylenes, (BTEX), naphthalene, isopropylbenzene, n-propylbenzene, sec-butylbenzene, 1,2,4-trimethylbenzene (1,2,4-TMB), 1,3,5-TMB, 1,2-dichloroethane (1,2-DCA), 1,1-DCA, trichloroethene (TCE), methylchloroethene, and freon-11.

On April 14, 2004, your consultant, Earth Tech, Inc., submitted a "Remedial Action Plan" (RAP) for cleanup of the contaminated soil and groundwater at the Site to the Regional Board. In the RAP, two treatment compounds (On-site Treatment Compound and Off-site Treatment Compound) were proposed. An air sparging and soil vapor extraction (SVE) was planned for the soil and groundwater cleanup on-site (On-site Treatment Compound). Pump-and-treat was proposed for the groundwater cleanup off-site (Off-site Treatment Compound). Both on-site and off-site treatment compounds will use pump-and-treat systems with activated carbon for remediating the groundwater. At the On-site Treatment Compound groundwater will be extracted from dual extraction well MW-1/SVE-1 and re-injected at groundwater monitoring/injection wells MW-3/IN-2, MW-4/IN-1, and MW-5/IN-3. At the Off-site Treatment Compound groundwater will be extracted from wells EX-1 and EX-2 and re-injected at groundwater monitoring/injection wells MW-7/IN4 and MW-8/IN-5 (Figure1). Regional Board staff approved the RAP on June 21, 2004.

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.

Mr. Tom Ebbert
PPG Industries, Inc
(Former PPG Industries Site)

- 2 -

October 29, 2004

The depth to groundwater at the site is approximately 85 feet bgs with the flow direction towards east to northeast at a gradient of approximately 0.001 ft/ft.

Regional Board staff have determined that the proposed discharge meets the conditions specified in 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.

Enclosed are your Waste Discharge Requirements, consisting of Regional Board Order No. R4-2002-0030 (Series No. 053) and Monitoring and Reporting Program No. CI-8815 and Standard Provisions.

The Monitoring and Reporting Program requires you to implement the monitoring program on the effective date of this enrollment (October 29, 2004) 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-8815, 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. R4-2002-0030 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. Orlando H. Gonzalez at (213) 620-2267 or Dr. Kwang Lee at (213) 620-2269.

Sincerely,

Jonathan Bishop
Executive Officer

Enclosures:

1. Board Order No. R4-2002-0030
2. Monitoring and Reporting Program No. CI-8815

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.

Mr. Tom Ebbert
PPG Industires, Inc
(Former PPG Industries Site)

- 3 -

October 29, 2004

cc: 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. Ted Johnson, Water Replenishment District of Southern California
Mr. Mark Stewart, Central Basin Watermaster, California Department of Water
Resources
Mr. Brian Dean, Earth Tech
Ms. Alycia McCord, Project Manager, Earth Tech

California Environmental Protection Agency



Recycled Paper

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