

**STATE OF CALIFORNIA
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION**

**MONITORING AND REPORTING PROGRAM NO. CI-8815
FOR
PPG INDUSTRIES, INC.**

**ENROLLMENT UNDER REGIONAL BOARD
ORDER NO. R4-2002-0030 (Series No. 053)
FILE NO. 905030170**

I. MONITORING AND REPORTING REQUIREMENTS

- A. PPG Industries, Inc. (hereinafter Discharger) shall implement this monitoring program on the effective date of this enrollment (October 29, 2004) under Regional Board Order No. R4-2002-0030. The first monitoring report under this program, for the monitoring period October – December 2004, shall be received at the Regional Board by January 15, 2005. Subsequent monitoring reports shall be received at the Regional Board according to the following schedule:

<u>Monitoring Period</u>	<u>Report Due</u>
January – March	April 15
April – June	July 15
July – September	October 15
October – December	January 15
Annual Summary Report	March 1 of each year

- B. If there is no discharge or injection during any reporting period, the report shall so state. Monitoring reports must be addressed to this Regional Board, Attention: Information Technology Unit.
- C. By March 1 of each year, the Discharger shall submit an annual summary report to the Regional Board. The report shall contain both tabular and graphical summaries of the monitoring data obtained during the previous calendar year. In addition, the Discharger shall explain the compliance record and the corrective actions taken or planned, which may be needed to bring the discharge into full compliance with the waste discharge requirements (WDRs).
- D. Each monitoring report shall contain a separate section titled “Summary of Non-Compliance” which discusses the compliance record and the corrective actions taken or planned that may be needed to bring the discharge into full compliance with WDRs. This section shall be located at the front of the report and shall clearly list all non-compliance with discharge requirements, as well as all excursions of effluent limitations.

October 29, 2004

- E. The Discharger shall comply with requirements contained in Section G. of Order No. R4-2002-0030 “*Monitoring and Reporting Requirements*” in addition to the aforementioned requirements.

II. WATER QUALITY MONITORING

A. Effluent Monitoring

Sampling stations shall be established at the points of discharge (the end points of the groundwater treatment systems at both the on-site SVE and off-site groundwater extraction and treatment systems) and shall be located where representative samples of the effluent can be obtained. Any proposed change of sampling station or sampling location shall be identified and approved by the Regional Board Executive Officer (Executive Officer) prior to its use.

The following shall constitute the effluent-monitoring program for the treated groundwater prior to discharge to the injection wells:

<u>Constituents</u>	<u>Units</u> ¹	<u>Type of Sample</u>	<u>Minimum Frequency of Analysis</u>
Total Petroleum Hydrocarbons (as gasoline)	µg/L	grab	Monthly ³ /Quarterly ⁴
Benzene	µg/L	grab	Monthly ³ /Quarterly ⁴
Toluene	µg/L	grab	Monthly ³ /Quarterly ⁴
Ethylbenzene	µg/L	grab	Monthly ³ /Quarterly ⁴
Total Xylenes	µg/L	grab	Monthly ³ /Quarterly ⁴
Methyl Tertiary Butyl Ether	µg/L	grab	Monthly ³ /Quarterly ⁴
Tertiary Butyl Alcohol	µg/L	grab	Monthly ³ /Quarterly ⁴
Di-isopropyl Ether	µg/L	grab	Monthly ³ /Quarterly ⁴
Ethyl Tertiary Butyl Ether	µg/L	grab	Monthly ³ /Quarterly ⁴
Tertiary Amyl Methyl Ether	µg/L	grab	Monthly ³ /Quarterly ⁴
1,2-dichloroethene	µg/L	grab	Monthly ³ /Quarterly ⁴
Trichloroethene	µg/L	grab	Monthly ³ /Quarterly ⁴
1,3,5-trimethylbenzene	µg/L	grab	Monthly ³ /Quarterly ⁴
1,2,4-trimethylbenzene	µg/L	grab	Monthly ³ /Quarterly ⁴
Ethyl benzene	µg/L	grab	Monthly ³ /Quarterly ⁴
Isopropylbenzene	µg/L	grab	Monthly ³ /Quarterly ⁴
n-propylbenzene	µg/L	grab	Monthly ³ /Quarterly ⁴
Naphthalene	µg/L	grab	Monthly ³ /Quarterly ⁴
1,4-Dioxane	µg/L	grab	One-time ⁵
1,2,3-trichloroprone	µg/L	grab	One-time ⁵

¹ µg/L: micrograms per liter and °F: degree Fahrenheit; µmhos/cm: microohms per centimeter

² This constituent can be monitored using a field instrument.

³ Monthly sampling events are required for a period of three months.

⁴ Quarterly sampling events are required after the monthly samplings.

⁵ The sampling event is required within the first month from the injection date.

B. Groundwater Monitoring

A groundwater-monitoring program shall be designed to detect and evaluate impacts associated with the injection activities. The following shall constitute the monitoring program for Monitoring Well Nos. MW-3 (up-gradient), MW-10 (down-gradient), MW-4, MW-5, MW-7, and MW-8 (cross-gradient), and MW-2, MW-6, and MW-9 (source) (Figure 2). Any proposed change to the sampling stations or monitoring locations must be submitted and approved by the Executive Officer prior to use.

The following shall constitute the groundwater monitoring program:

<u>Constituents</u>	<u>Units¹</u>	<u>Type of Sample</u>	<u>Minimum Frequency of Analysis</u>
pH	pH units	grab	Quarterly
Total Petroleum Hydrocarbons (as gasoline)	µg/L	grab	Quarterly
Benzene	µg/L	grab	Quarterly
Toluene	µg/L	grab	Quarterly
Ethylbenzene	µg/L	grab	Quarterly
Total Xylenes	µg/L	grab	Quarterly
Methyl Tertiary Butyl Ether	µg/L	grab	Quarterly
Tertiary Butyl Alcohol	µg/L	grab	Quarterly
Di-isopropyl Ether	µg/L	grab	Quarterly
Ethyl Tertiary Butyl Ether	µg/L	grab	Quarterly
Tertiary Amyl Methyl Ether	µg/L	grab	Quarterly
1,2-dichloroethene	µg/L	grab	Quarterly
Trichloroethene	µg/L	grab	Quarterly
1,3,5-trimethylbenzene	µg/L	grab	Quarterly
1,2,4-trimethylbenzene	µg/L	grab	Quarterly
Ethyl benzene	µg/L	grab	Quarterly
Isopropylbenzene	µg/L	grab	Quarterly
n-propylbenzene	µg/L	grab	Quarterly
Naphthalene	µg/L	grab	Quarterly
Total dissolved solids	mg/L	grab	Quarterly
Sulfate	mg/L	grab	Quarterly
Chloride	mg/L	grab	Quarterly
Boron	mg/L	grab	Quarterly

¹ µg/L: micrograms per liter and °F: degree Fahrenheit; µmhos/cm: microohms per centimeter

All groundwater monitoring reports must include, at minimum, the following:

- a. Well identification, date and time of sampling;
- b. Sampler identification, and laboratory identification; and
- c. Quarterly observation of groundwater levels, recorded to 0.01 feet mean sea level and groundwater flow direction.

III. WASTE HAULING REPORT

In the event that wastes are hauled for further treatment or to a disposal site, the name and address of the hauler of the waste shall be reported in each quarterly monitoring report, along with quantities hauled during the quarter, and the location of the final point of disposal. If no wastes are hauled during the reporting period, a statement to that effect shall be submitted in the quarterly monitoring report.

IV. MONITORING FREQUENCIES

Specifications in this monitoring program are subject to periodic revisions. Monitoring requirements may be modified or revised by the Executive Officer based on review of monitoring data submitted pursuant to this Order. Monitoring frequencies may be adjusted to a less frequent basis or parameters and locations dropped by the Executive Officer if the Discharger makes a request and the request is backed by statistical trends of monitoring data submitted.

V. CERTIFICATION STATEMENT

Each report shall contain the following completed declaration:

"I certify under penalty of law that this document, including all attachments and supplemental information, was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment.

Executed on the ____ day of _____ at _____

(Signature)
(Title)"

PPG Industries, Inc.
Monitoring and Reporting Program No. CI-8815

File No. 905030170
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All records and reports submitted in compliance with this Order are public documents and will be made available for inspection during business hours at the office of the California Regional Water Quality Control Board, Los Angeles Region, upon request by interested parties. Only proprietary information, and only at the request of the Discharger, will be treated as confidential.

Ordered by: _____
Jonathan Bishop
Executive Officer

Date: October 29, 2004