

STACK 1-75 1

VINYL CHLORIDE COMPLIANCE TEST REPORT

for

PPG Industries, Inc.
Chemical Division-U.S.
P. O. Box 1000
Lake Charles, LA 70602

Submitted to: The U.S. Environmental Protection Agency
1201 Elm Street
Dallas, Texas 75270

January 11, 1979

Company Official Responsible for Submitting Report: James E. Wyche, III
Coordinator
Environmental Systems

SL 071747

Abstract

This is a report of an emission test conducted by PPG Industries, Inc., on January 8, 1979, at its Lake Charles, Louisiana, facility pursuant to paragraph 61.67 of the NESHAP regulations on vinyl chloride, 40CFR61. The emission sources in the facility which are covered by this regulation and which were in operation during the emission test are: vinyl chloride monomer (VCM), ethylene dichloride by oxychlorination (OHC), and vinyl chloride section of PPG's Tri-Ethane II unit (VC). Each source was operating at the maximum capacity attainable on the day of the test. These rates are shown below:

Source	Operating Rate as Percent of Maximum Operating Rate
VCM	97
OHC	94
VC	27

The low rate at VC is due to the fact all portions of the Tri-Ethane II facility have not yet been completed. The VC unit cannot achieve maximum production rates until the oxychlorination section of this facility is completed later this year.

The control devices utilized by PPG for control of vinyl chloride emissions include two process incinerators (for gaseous emissions) and two in-process waste water strippers. All emission sources and control devices were operating normally during the emission test which was conducted in accordance with EPA approved procedures. The test was witnessed in its entirety by a representative of EPA Region VI.

Results of the emission test are summarized below:

Source	NESHAP Standard (maximum allowed)	Test Results
No. 1 Incinerator vent, ppm VCM	10	< 0.1
No. 2 Incinerator vent, ppm VCM	10	< 0.1
OHC Reactor emissions, g VCM/kg EDC produced	0.2	< 0.0003
OHC in-process waste water discharge, ppm VCM	10	5.4
VCM in-process waste water discharge, ppm VCM	10	< 1

Compliance with the standard was demonstrated.

TOTAL HC NOT REQUESTED (ASSUMED NEGLIGIBLE AT THAT TIME)