

Commonwealth of Pennsylvania  
Department of Environmental Resources  
Bureau of Air Quality Control

RACT APPROVAL

PERMIT NUMBER : OP 20-145

Owner: PPG Industries, Inc. Source & See Attached  
Address: PO Box 800 Air Cleaning Page 3  
Kebert Industrial Park Device  
Meadville, Pa 16335

Attention: F.A. Archinaco Location: Greenwood Township  
Vice President, Glass Crawford County

In accordance with provisions of the Air Pollution Control Act, the Act of January 8, 1960, P. L. 2119, as amended, and with Chapter 127 of the Rules and Regulations of the Department of Environmental Resources, the Department on **MAY 31 1995** approved plans for achieving compliance by the above indicated air contamination source(s) with the requirements of 25 Pa Code Section 129.91 through 129.95.

The operating permit is subject to the following conditions:

1. The facility is to be operated in accordance with the plan submitted with the application (as approved herein).
2. The facility shall implement the RACT plan by May 31, 1995.
3. See attached.

  
Larry W. Wonders  
Regional Air Quality Manager

3. NOx emissions from No.1 Glass Melting Furnace shall not exceed 26.75 lbs NOx per ton of glass produced.
4. NOx emissions from No.2 Glass Melting Furnace shall not exceed 26.75 lbs NOx per ton of glass produced.
5. Stack testing of No.1 and No.2 Glass Melting Furnaces to show compliance with NOx RACT emission limits shall take place on an annual basis, to commence during the period from May 1st through October 31st (first test in 1995). Stack testing shall be performed in accordance with 25 Pa Code Chapter 139 for NOx emission testing of stationary sources.
6. Operating conditions at the time of stack testing shall be set as standard operating conditions for melt furnaces No. 1 and No. 2.
7. If, after three consecutive annual tests, compliance with RACT emission limits is shown in a consistent manner, testing frequency may be altered as determined by the Department.
8. At least thirty (30) days prior to stack testing, a pretest protocol shall be submitted to the regional office. The protocol shall include sampling port locations, specifications of test methods, procedures and equipment, and additional applicable information regarding planned testing protocol.
9. At least two weeks prior to the test, the regional office shall be informed of the date and time of testing.
10. Within sixty (60) days after testing, two copies of the complete test reports, including furnace pull rate, oxygen concentrations in the upper regenerator chambers, a comparison of glass produced during the stack test versus design product mix, and other parameters which may be monitored for NOx emission optimization.
11. Low Excess Air operation of No.1 and No.2 Glass Melting Furnaces (with appropriate monitoring equipment as defined in the RACT proposal) shall be implemented in accordance with the RACT proposal at a date not to exceed May 31, 1995, as defined in 25 Pa Code Section 129.91.
13. Boilers No. 1, No. 2, and No. 3 shall comply with Presumptive RACT requirements defined in 25 Pa Code Section 129.93(b)(2-5), and shall be operated in such a manner as not to cause air pollution.

14. Boiler No. 4 shall comply with Presumptive RACT requirements defined in 25 Pa Code Section 129.93(c)(1), and shall be operated in such a manner as not to cause air pollution.
15. Emergency Diesel Generators No.1, & No.2, Mill Use Water Emergency Pump, Emergency Fire Water Pump, City Water Emergency Pump, and the Boiler Room Emergency Generator shall not exceed 500 hours of operation on an annual basis, individually.
16. Emergency Diesel Generators No.1, & No.2, Mill Use Water Emergency Pump, Emergency Fire Water Pump, City Water Emergency Pump, and the Boiler Room Emergency Generator shall comply with Presumptive RACT emission limitations defined in 25 Pa Code Section 129.93(c)(5), and shall be operated in such a manner as not to cause air pollution.
17. Line 2 Lehr shall comply with Presumptive RACT requirements defined in 25 Pa Code Section 129.93(c)(1), and shall be operated in such a manner as not to cause air pollution.
18. PPG shall comply with 25 Pa Code Section 129.95 for recordkeeping requirements.
19. Any information required to be submitted as part of the above conditions should be submitted to Mr. Devendra Verma, Chief, Engineering Services, Air Quality Control, Northwest Regional Office, Meadville, Pa. 16335.

#### RACT Source and Air Cleaning Device Listing

#1 Glass Melting Furnace (PPG Industries)  
#2 Glass Melting Furnace (PPG Industries)  
Boiler #1  
Boiler #2  
Boiler #3  
Boiler #4  
Diesel Emergency Generator #1  
Diesel Emergency Generator #2  
Line 2 Lehr

