

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
FIELD OPERATIONS - BUREAU OF AIR QUALITY

OPERATING PERMIT

In accordance with provisions of the Air Pollution Control Act, the act of January 8, 1960, P.L. 2119, as amended, and after due consideration of an application received under Chapter 127 of the Rules and Regulations of the Department of Environmental Protection, the Department hereby issues this permit for the operation of the air contamination source(s) described below:

Permit No.	<u>OP-23-0005</u>	Source(s)	<u>Facility VOC Sources</u>
Owner	<u>PPG Industries, Inc.</u>	Air	<u></u>
Address	<u>1830 Columbia Avenue</u>	Cleaning	<u></u>
	<u>Folcroft, PA 19032</u>	Device	<u></u>
Attention	<u>Mr. Michael Caringello</u>	Location	<u>1830 Columbia Avenue</u>
	<u>Environmental Manager</u>		<u>Folcroft Borough</u>
			<u>Delaware County</u>

This permit is subject to the following conditions:

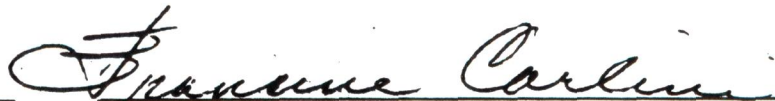
1. That the source(s) and any associated air cleaning devices are to be:
 - a. operated in such a manner as not to cause air pollution;
 - b. in compliance with the specifications and conditions of any plan approvals issued;
 - c. operated and maintained in a manner consistent with good operating and maintenance practices.
2. This permit is valid only for the specific equipment, location and owner named above.

(SEE ADDITIONAL CONDITIONS ATTACHED)

Failure to comply with the conditions placed on this permit is a violation of Section 127.444. Violation of this or any other provision of Article III of the Rules and Regulations of the Department of Environmental Protection will result in suspension or revocation of this permit and/or prosecution under Section 9 of the Air Pollution Control Act.

Issued 06/04/1997

Expires 06/04/2002



Francine Carlini
Regional Manager
Air Quality

cc: Division of Permits, RCSOB
Administration
SEFO
Re (KAL)83

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CONDITIONS (continued):

3. This permit does not authorize the construction or modification of any source. Construction or modification of a source is subject to the Plan Approval requirements of 25 Pa. Code Chapter 127 Subchapter B. Except as provided below, this permit does not modify in any way the terms and conditions of any existing or subsequent plan approval or operating permit issued for the sources that are the subject of this permit.
4. In the event that the permittee is prevented from complying in a timely manner with any interim time limit imposed in this permit solely because of a strike, fire, flood, act of God, or other circumstances entirely beyond the permittee's control and which permittee by the exercise of all reasonable diligence, is unable to prevent, or mitigate, then the permittee may request an extension of time from the Department.

The permittee shall only be entitled to the benefits of this paragraph if it notifies the Department within five (5) days by telephone and within ten (10) days in writing of the date it becomes aware or reasonably should have become aware of the event impending performance. The written submission shall include all related documentation, as well as a notarized affidavit from a responsible corporate office specifying the reasons for the delay, the expected duration of the delay, and the efforts which have been made and are being made by the permittee to minimize the length of the delay. The permittee's failure to comply with the requirements of this paragraph specifically and in a timely fashion shall render this paragraph null and of no effect as to the particular incident involved.

5. This Reasonably Available Control Technology (RACT) Operating Permit is issued to PPG Industries, Inc. (PPG) for the operation of their sources located at 1830 Columbia Avenue, Folcroft Borough, Delaware County. This Operating Permit is the Department's determination of RACT for the Volatile Organic Compound (VOC) emission sources at this facility. PPG is not a major facility for Nitrogen Oxides (NOx) emissions.
6. The description of the sources at the PPG Folcroft facility are as follows:

- Source 101 is CI filter press
- Source 102a is drop tank T-23 (north)
- Source 102b is drop tank T-23 (south)
- Source 103 is CI still feed tank (C-9)
- Source 104 is CI dryer vacuum pump/atmospheric receiver
- Source 105a is CI slurry tank (T-1)
- Source 105b is CI slurry tank (T-2)
- Source 106a is alcohol tank (C-1)
- Source 106b is fatty acid tank (S-6)
- Source 107 is CI reactor
- Source 108 is CI piping component fugitives

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CONDITIONS (continued):

Source 109 is other fugitive emissions (non-IPA)

7. This Operating Permit covers the specific air contamination sources and their associated air cleaning devices as follows:

Control Equipment (for sources)	Overall Efficiency (%)	Allowable Outlet Concentration (lb/hr)
Catalytic Thermal Oxidizer (101, 102a/b, 103, 104, 105a/b)	95	26.50
Condenser Using Cooling Water (102)	40	39.72 to CTO
Chilled IPA Condenser (104)	90	2.40 to CTO

Condenser Using Cooling Water and Chilled IPA Condenser are the primary control devices for sources 102 and 104, respectively. VOC emissions from these sources shall duct to the secondary control device, the Catalytic Thermal Oxidizer.

8. In accordance with the Department of Environmental Protection Rules and Regulations, 25 Pa. Code § 129.92, PPG shall limit their VOC emission sources to the following maximum:

Sources	<u>Allowable VOC Emissions</u>	
	lb/hr	tons/year
101, 102a/b, 103, 104, 105a/b	26.5	8.80
106a/b	0.5	4.4
108	9.2	15.0
109	9.2	15.0

9. The de-minimis source No. 107 shall be operated with VOC emission rates of no greater than 3 pounds per hour, 15 pounds per day and 2.7 tons per year whichever is more stringent.
10. This RACT approval applies to the emissions of VOC only. Emissions of other pollutants, including criteria pollutants, shall be governed by existing Plan Approval, Operating Permits, and the applicable requirements of the Rules and Regulations of the Department. Such approval, permits and requirements are incorporated herein by reference and made part of this permit. All conditions from Plan Approval and Operating Permit No. 23-302-126 shall be incorporated in this permit.

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CONDITIONS (continued):

11. Monitoring, Recordkeeping, and Reporting Procedures:
 - A. The owner and operator shall keep records for VOC sources in a time frame consistent with the above requirements to demonstrate compliance with 25 Pa. Code § 129.95.
 - B. The Catalytic Thermal Oxidizer shall be equipped with visual means of monitoring the secondary combustion chamber exit gas temperature.
 - C. The Catalytic Thermal Oxidizer shall maintain the minimum temperature of 470°F.
 - D. The company shall install two thermocouples located prior to and one located after the catalyst bed or equivalent as approved by the Department.
 - E. The operation of source Nos. 101, 102a/b, 103, 104 and 105a/b shall be terminated if the Catalytic Thermal Oxidizer is inoperable.
 - F. The inlet of the condenser controlling source 102 shall maintain a temperature of 100°F or less, and the inlet of the condenser controlling source 104 shall maintain a temperature of 80°F or less.
 - G. The records shall be retained for a minimum of 2 years and shall be made available to the Department upon request.
 - H. All recordkeeping requirements from existing permits shall continue to be met.
12. The expiration date shown on the Operating Permit is for state purposes. For Federal enforcement purposes the Plan Approval shall remain in effect as part of the State Implementation Plan until repealed pursuant to 40 C.F.R. 51 and approved by the U.S. Environmental Protection Agency upon its approval of the above as a revision to the PA State Implementation Plan.

Re 30 (KAL)83.1