



State of Ohio Environmental Protection Agency

**RE: FINAL PERMIT TO INSTALL CERTIFIED MAIL
CUYAHOGA COUNTY**

Street Address:

122 S. Front Street

Lazarus Gov. Center TELE: (614) 644-3020 FAX: (614) 644-2329

Mailing Address:

Lazarus Gov. Center
P.O. Box 1049

Application No: 13-03765

DATE: 1/30/2001

PPG Industries Ohio, Incorporated
Gregory Davis
19699 Progress Drive
Strongsville, OH 44149

Enclosed please find an Ohio EPA Permit to Install which will allow you to install the described source(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions, I urge you to read it carefully.

The Ohio EPA is urging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Pollution Prevention at (614) 644-3469.

You are hereby notified that this action by the Director is final and may be appealed to the Ohio Environmental Review Appeals Commission pursuant to Chapter 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed within thirty (30) days after the notice of the Directors action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
236 East Town Street, Room 300
Columbus, Ohio 43215

Very truly yours,

Thomas G. Rigo, Manager
Field Operations and Permit Section
Division of Air Pollution Control

CC: USEPA

CBAPC



Permit To Install

STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

FINAL PERMIT TO INSTALL 13-03765

Application Number: 13-03765
APS Premise Number: 1318555724
Permit Fee: **\$200**
Name of Facility: PPG Industries Ohio, Incorporated
Person to Contact: Gregory Davis
Address: 19699 Progress Drive
Strongsville, OH 44149

Location of proposed air contaminant source(s) [emissions unit(s)]:
19699 Progress Drive
Strongsville, Ohio

Description of proposed emissions unit(s):
Receive room emissions unit P020.

The above named entity is hereby granted a Permit to Install for the above described emissions unit(s) pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described emissions unit(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans and specifications, the above described emissions unit(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency



Director

Part I - GENERAL TERMS AND CONDITIONS

A. Permit to Install General Terms and Conditions

1. Compliance Requirements

The emissions unit(s) identified in this Permit to Install shall remain in full compliance with all applicable State laws and regulations and the terms and conditions of this permit.

2. Reporting Requirements Related to Monitoring and Recordkeeping Requirements

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or recordkeeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
- b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

3. Records Retention Requirements

Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.

4. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. The permittee shall furnish to the Director of the Ohio EPA, or an authorized

representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

5. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s).

6. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.

7. Air Pollution Nuisance

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

8. Termination of Permit to Install

This Permit to Install shall terminate within eighteen months of the effective date of the Permit to Install if the owner or operator has not undertaken a continuing program of installation or modification or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation or modification. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

9. Construction of New Sources(s)

The proposed emissions unit(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio

Environmental Protection Agency if the proposed sources are inadequate or cannot meet applicable standards.

If the construction of the proposed emissions unit(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of OAC rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities prove to be inadequate or cannot meet applicable standards.

10. Public Disclosure

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC rule 3745-49-03.

11. Applicability

This Permit to Install is applicable only to the emissions unit(s) identified in the Permit to Install. Separate application must be made to the Director for the installation or modification of any other emissions unit(s).

12. Best Available Technology

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

13. Source Operation and Operating Permit Requirements After Completion of Construction

This facility is permitted to operate each source described by this Permit to Install for a period of up to one year from the date the source commenced operation. This permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within thirty (30) days after commencing operation of the emissions unit(s) covered by this permit.

PPG Industries Ohio, Incorporated
 PTI Application: 13-03765
 Issued: 1/30/2001

Facility ID: 1318555724

14. Construction Compliance Certification

The applicant shall provide Ohio EPA with a written certification (see enclosed form) that the facility has been constructed in accordance with the Permit to Install application and the terms and conditions of the Permit to Install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

15. Fees

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78. The permittee shall pay all applicable Permit to Install fees within 30 days after the issuance of this Permit to Install.

B. Permit to Install Summary of Allowable Emissions

The following information summarizes the total allowable emissions, by pollutant, based on the individual allowable emissions of each air contaminant source identified in this permit.

SUMMARY (for informational purposes only)
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons Per Year</u>
PE	0.72
VOC	0.26

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

- 1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P020 - A receive process for powder coating materials consisting of an Azo sieve and diaphragm pump with a 400 ACFM baghouse. The maximum process weight rate is 1,000 lbs per hour. The company identification is Receive Room.	OAC rule 3745-31-05 (A)(3)	<p>Particulate emissions (PE) shall not exceed 0.16 lb/hr and 0.72 TPY.</p> <p>Volatile organic compound (VOC) emissions shall not exceed 0.06 lb/hr and 0.26 TPY.</p> <p>The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A)(1).</p>
	OAC rule 3745-17-07 (A) (1)	Visible particulate emissions shall not exceed 20% opacity, as a six-minute average, except as provided by rule.
	OAC rule 3745-17-11 (B)	Requirements established pursuant to OAC rule 3745-17-11 (B) are less stringent than the requirements established pursuant to OAC rule 3745-31-05 (A)(3).
	OAC rule 3745-21-07 (G)(2)	Requirements specified in OAC rule 3745-21-07 (G)(2) are less stringent than the requirements established pursuant to OAC rule 3745-31-05

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PPG Industries Ohio, Incorporated

PTI Application: 13-02765

Issued

Facility ID: 1318555724

Emissions Unit ID: P020

(A)(3).

2. Additional Terms and Conditions

2.a None

B. Operational Restrictions

1. The pressure drop across each baghouse shall be maintained at all times not less than 1 inch of water column (or water gauge) and not greater than 10 inches of water column except the first hour baghouse operation after start-up in order to build up enough filter cake so that the baghouse will be operating within the recommended pressure drop range while the emissions unit is in operation.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall properly operate and maintain a differential pressure monitor which monitors pressure drop across each baghouse while the emissions unit is in operation. The pressure drop monitor shall be calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall collect and record the pressure drop across each baghouse once for each day this emissions unit is in operation. The pressure drop reading may be taken and recorded after the baghouse has been operating for one (1) hour after start-up.

Units for pressure drop shall be in inches of water column.

D. Reporting Requirements

1. The permittee shall submit written deviation (excursion) reports which identify all periods of time during which the pressure drop across either baghouse did not comply with the allowable range specified in section B.1. of these terms and conditions, as well as the corrective actions that were taken to achieve compliance.
2. The deviation reports shall be submitted in accordance with the requirements specified in Part I.A.2.

E. Testing Requirements

Compliance with the emission limitations in sections A.1. and the operational restrictions in section B.1. of these terms and conditions shall be determined in accordance with the following methods:

1. The following test method(s) shall be employed to determine compliance with the following

limits:

- a. Emission Limitation: 20% opacity, as a six-minute average

Applicable Compliance Method:

Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03 (B)(1) using the methods and procedures specified in U.S. EPA Reference Method 9 in 40 CFR, Part 60, Appendix A.

- b. Emission Limitation: 0.16 lb of PE/hr

Applicable Compliance Method:

PE factor = 0.011 lb of PE/100 lbs of powder

Hourly PE rate = process weight rate (lbs/hr) X PE factor (lbs/100 lbs) = PE (lbs/hr)

- c. Emission Limitation: 0.72 PE TPY of PE

Applicable Compliance Method:

Annual PE rate = Hourly PE rate (lbs/hr) X annual hours of operation (hr/yr) X ton/2000 lbs
= PE (TPY)

- d. Emission Limitation: 0.06 lb of VOC/hr

Applicable Compliance Method:

VOC emission factor = 0.004 lb of VOC/100 lbs of powder

Hourly VOC rate = process weight rate (lb/hr) X VOC emission factor (lbs/100 lbs)
= VOC (lbs/hr)

- e. Emission Limitation: 0.26 TPY of VOC

Applicable Compliance Method:

Annual VOC rate = Hourly VOC rate (lbs/hr) X Annual hours of operation (hr/yr)
X ton/2000 lb = VOC (TPY)

PPG Industries Ohio, Incorporated
PTI Application: 13-03765
Issued

Facility ID: 1318555724

Emissions Unit ID: P020

F. Miscellaneous Requirements

None

NEW SOURCE REVIEW FORM B

PTI Number: 13-03765 Facility ID: 1318555724

FACILITY NAME PPG Industries Ohio, Inc.

FACILITY DESCRIPTION manufacture paint and allied product CITY/TWP Strongsville

SIC CODE 2851 SCC CODE 3-01-014-99 EMISSIONS UNIT ID P020

EMISSIONS UNIT DESCRIPTION receive powder coating process consisting of Azo Sieve, diaphragm pump and a baghouse.

DATE INSTALLED January 2001

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter					
PM ₁₀	non-attainment	0.11	0.013	0.16	0.72
Sulfur Dioxide					
Organic Compounds	attainment	0.04	0.005	0.06	0.26
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? NESHAP? PSD? OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

Enter Determination the BAT is a 400 ACFM baghouse to control particulate emissions.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$ 12,000

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? _____ YES X NOIDENTIFY THE AIR CONTAMINANTS: None

NEW SOURCE REVIEW FORM B

PTI Number: 13-03765 Facility ID: 1318555724

FACILITY NAME PPG Industries Ohio, Inc.

FACILITY DESCRIPTION manufacture paint and allied product CITY/TWP Strongsville

Ohio EPA Permit to Install Information Form Please describe below any documentation which is being submitted with this recommendation (must be sent the same day). Electronic items should be submitted with the e-mail transmitting the PTI terms, and in software that CO can utilize. If mailing any hard copy, this section must be printed as a cover page. All items must be clearly labeled indicating the PTI name and number. Submit **hard copy items to Pam McGraner, AQM&P, DAPC, Central Office, and electronic files to airpti@epa.state.oh.us**

Please fill out the following. If the checkbox does not work, replace it with an 'X'

	<u>Electronic</u>	<u>Additional information File Name Convention (your PTI # plus this letter)</u>	<u>Hard Copy</u>	<u>None</u>
<u>Calculations (required)</u>	<input checked="" type="checkbox"/>	1303765c.wpd	<input type="checkbox"/>	
<u>Modeling form/results</u>	<input type="checkbox"/>	0000000s.wpd	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<u>PTI Application (complete or partial)*</u>	<input type="checkbox"/>	0000000a.wpd	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<u>BAT Study</u>	<input type="checkbox"/>	0000000b.wpd	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<u>Other/misc.</u>	<input type="checkbox"/>	0000000t.wpd	<input type="checkbox"/>	<input checked="" type="checkbox"/>

* Mandatory for netting, PSD, nonattainment NSR, 112(g), 21-07(G)(9)(g) and 21-09(U)(2)(f) - 2 complete copies.

Please complete (see comment bubble to the left for additional instructions):

[NSR Discussion](#)

The process screens powder coating materials and then is packaged into fibre drums. The maximum PWR is 1,000 lbs/hour. Particulate emissions are vented to a 400 ACFM, Torit baghouse, through a loading hood.

NEW SOURCE REVIEW FORM B

PTI Number: 13-03765 Facility ID: 1318555724

FACILITY NAME PPG Industries Ohio, Inc.

FACILITY DESCRIPTION manufacture paint and allied product CITY/TWP Strongsville

Please complete for these type permits (For PSD/NSR Permit, place mouse over this text):

Synthetic Minor Determination and/or Netting Determination
Permit To Install ENTER PTI NUMBER HERE

A. Source Description:B. Facility Emissions and Attainment Status:C. Source Emissions:D. Conclusion:

PLEASE PROVIDE ADDITIONAL NOTES OR COMMENTS AS NECESSARY:

Emissions Unit Description

Powder is charged from the top onto a loading hopper with hood. The powder is fed to rotary screen through a rotary feeder. The undersized is dropped into a fiber drum covered with a drum hood. The loading hood is vented to a 400 ACFM Torit baghouse.

Permit to Install Fee

The new source permit to install fee is \$200.

Commence Construction Date

The December 5, 2000 letter from PPG Industries said the commence construction date would be upon issuance of this permit to install. Will put the commence construction date as January 2001 in PTI Track System 2000.

Recommendation for a Final Permit

Yes.

PE

Please complete:

SUMMARY (for informational purposes only)
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons Per Year</u>
PE	0.72
VOC	0.26