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: 13-03881
Fac ID: 1318000101
DATE: 5/17/2005

PPG Industries Inc
David Arend
3800 W 143rd St
Cleveland, OH 44111

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
309 South Fourth Street, Room 222
Columbus, Ohio 43215

Sincerely,

Michael W. Ahern

Michael W. Ahern, Manager
Permit Issuance and Data Management Section
Division of Air Pollution Control

cc: **USEPA** **CLAA**

STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

Permit To Install		**Issue Date:**	**5/17/2005**
Terms and Conditions		**Effective Date:**	**5/17/2005**

FINAL PERMIT TO INSTALL 13-03881

Application Number:	13-03881
Facility ID:	1318000101
Permit Fee:	**$200**
Name of Facility:	PPG Industries Inc
Person to Contact:	David Arend
Address:	3800 W 143rd St Cleveland, OH 44111

Location of proposed air contaminant source(s) [emissions unit(s)]:
3800 W 143rd St
Cleveland, **Ohio**

Description of proposed emissions unit(s):
Two new paint spray booths as part of K201.

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

Joseph P. Koncelik

Director

Part I - GENERAL TERMS AND CONDITIONS

A. State and Federally Enforceable Permit To Install General Terms and Conditions

1. Monitoring and Related Recordkeeping and Reporting Requirements

a. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:

i. The date, place (as defined in the permit), and time of sampling or measurements.

ii. The date(s) analyses were performed.

iii. The company or entity that performed the analyses.

iv. The analytical techniques or methods used.

v. The results of such analyses.

vi. The operating conditions existing at the time of sampling or measurement.

b. 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.

c. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall submit required reports in the following manner:

i. Reports of any required monitoring and/or recordkeeping of federally enforceable information shall be submitted to the appropriate Ohio EPA District Office or local air agency.

ii. Quarterly written reports of (i) any deviations from federally enforceable <u>emission limitations</u>, <u>operational restrictions</u>, <u>and control device operating parameter limitations</u>, excluding deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06, that have been detected by the testing, monitoring and recordkeeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures taken, shall be made to the appropriate Ohio EPA District Office or local air agency. The written 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. See B.9 below if no deviations occurred during the quarter.

iii. Written reports, which identify any deviations from the federally enforceable monitoring, recordkeeping, and reporting requirements contained in this permit shall be submitted to the appropriate Ohio EPA District Office or local air agency every six months, i.e., by January 31 and July 31 of each year for the previous six calendar months. If no deviations occurred during a six-month period, the permittee shall submit a semi-annual report, which states that no deviations occurred during that period.

iv. Each written report shall be signed by a responsible official certifying that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.

2. 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, i.e., upset, 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. (The definition of an upset condition shall be the same as that used in OAC rule 3745-15-06(B)(1) for a malfunction.) The verbal and written reports shall be submitted pursuant to 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 emission unit(s) that is (are) served by such control system(s).

3. Risk Management Plans

If the permittee is required to develop and register a risk management plan pursuant to section 112(r) of the Clean Air Act, as amended, 42 U.S.C. 7401 et seq. ("Act"), the permittee shall comply with the requirement to register such a plan.

4. Title IV Provisions

If the permittee is subject to the requirements of 40 CFR Part 72 concerning acid rain, the permittee shall ensure that any affected emissions unit complies with those requirements. Emissions exceeding any allowances that are lawfully held under Title IV of the Act, or any regulations adopted thereunder, are prohibited.

5. Severability Clause

A determination that any term or condition of this permit is invalid shall not invalidate the force or effect of any other term or condition thereof, except to the extent that any other term or condition depends in whole or in part for its operation or implementation upon the term or condition

declared invalid.

6. General Requirements

a. The permittee must comply with all terms and conditions of this permit. Any noncompliance with the federally enforceable terms and conditions of this permit constitutes a violation of the Act, and is grounds for enforcement action or for permit revocation, revocation and reissuance, or modification, or for denial of a permit renewal application.

b. It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the federally enforceable terms and conditions of this permit.

c. This permit may be modified, reopened, revoked, or revoked and reissued, for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or revocation, or of a notification of planned changes or anticipated noncompliance does not stay any term and condition of this permit.

d. This permit does not convey any property rights of any sort, or any exclusive privilege.

e. 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 request, the permittee shall also furnish to the Director or an authorized representative of the Director, copies of records required to be kept by this permit. For information claimed to be confidential in the submittal to the Director, if the Administrator of the U.S. EPA requests such information, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

7. 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.

8. Federal and State Enforceability

Only those terms and conditions designated in this permit as federally enforceable, that are required under the Act, or any of its applicable requirements, including relevant provisions designed to limit the potential to emit of a source, are enforceable by the Administrator of the U.S. EPA, the State, and citizens under the Act. All other terms and conditions of this permit shall not be federally enforceable and shall be enforceable under State law only.

9. Compliance Requirements

a. Any document (including reports) required to be submitted and required by a federally applicable requirement in this permit shall include a certification by a responsible official that, based on information and belief formed after reasonable inquiry, the statements in the document are true, accurate, and complete.

b. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director of the Ohio EPA or an authorized representative of the Director to:

i. At reasonable times, enter upon the permittee's premises where a source is located or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.

ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with ORC section 3704.08.

iii. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.

iv. As authorized by the Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.

c. The permittee shall submit progress reports to the appropriate Ohio EPA District Office or local air agency concerning any schedule of compliance for meeting an applicable requirement. Progress reports shall be submitted semiannually, or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress reports shall contain the following:

i. Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.

ii. An explanation of why any dates in any schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

10. Permit To Operate Application

a. If the permittee is required to apply for a Title V permit pursuant to OAC Chapter 3745-77, the permittee shall submit a complete Title V permit application or a complete Title V permit modification application within twelve (12) months after commencing operation of the emissions units covered by this permit. However, if the proposed new or modified source(s) would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification must be obtained before the operation of such new or modified source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C)(3)(d).

b. If the permittee is required to apply for permit(s) pursuant to OAC Chapter 3745-35, the source(s) identified in this Permit To Install is (are) permitted to operate for a period of up to one year from the date the source(s) commenced operation. 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 ninety (90) days after commencing operation of the source(s) covered by this permit.

11. 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.

12. 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.

B. State Only Enforceable 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

The permittee shall submit required reports in the following manner:

a. Reports of any required monitoring and/or recordkeeping of state-only enforceable 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 state-only required 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. 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.

4. 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.

5. 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 cannot meet the requirements of this permit 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 cannot meet the requirements of this permit or cannot meet applicable standards.

6. 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.

7. 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).

8. Construction Compliance Certification

If applicable, the applicant shall provide Ohio EPA with a written certification (see enclosed form if applicable) 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.

9. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations (See Section A of This Permit)

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.

C. 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

Pollutant	Tons Per Year
PE	14.4 (Facility-wide)
SO2	35.8 (Facility-wide)
VOC	163.4 (Facility-wide)
NOx	64.0 (Facility-wide)
CO	47.8 (Facility-wide)

Part II - FACILITY SPECIFIC TERMS AND CONDITIONS

A. State and Federally Enforceable Permit To Install Facility Specific Terms and Conditions

I. Applicable Emissions Limitations and/or Control Requirements

1. Emissions from this facility shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table:

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-02(A)(2)	Facility-wide volatile organic compounds (VOC) emissions shall not exceed 163.4 tons per year as a rolling, twelve-month summation. Facility-wide particulate emissions (PE) shall not exceed 14.4 tons per year as a rolling, twelve-month summation. Facility-wide sulfur dioxide (SO2) emissions shall not exceed 35.8 tons per year as a rolling, twelve-month summation. Facility-wide nitrogen oxides (NOx) emissions shall not exceed 64.0 tons per year as a rolling, twelve-month summation. Facility-wide carbon monoxide (CO) emissions shall not exceed 47.8 tons per year as a rolling, twelve-month summation. Facility-wide natural gas usage shall not exceed 1,079,230,000 cubic feet per year as rolling, twelve-month summation. Facility-wide distillate oil (number 1 and number 2 fuel oil, kerosene and diesel fuel, but excluding number 4 fuel oil) usage shall not exceed 1,000,000 gallons per year as rolling, twelve-month summation. See Section A.I.2.a.

2. Additional Terms and Conditions

2.a The facility-wide rolling, twelve-month emission limitations for VOC, PE, SO2, NOx and CO, and the facility-wide natural gas and distillate oil usage limitations established pursuant to OAC rule 3745-31-02(A)(2) are synthetic minor limitations intended to restrict the proposed emission increases under this permit to install to less than the "significant" emission levels specified in OAC rule 3745-31-01(SSS) (i.e., less than 15 TPY for PE, less than 40 TPY for SO2, less than 40 TPY for NOx, less than 40 TPY for VOC, and less than 100 TPY for CO.)

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain monthly records of the rolling, twelve-month summation of the facility-wide VOC, PE, SO2, NOx and CO emission rates, in tons. (Note: the permittee has existing records to demonstrate compliance with the rolling, twelve-month emission limitations upon issuance of this permit to install.)

2. The permittee shall maintain monthly records of the rolling, twelve-month summation of the facility-wide, monthly natural gas usages, in cubic feet (ft3). (Note: the permittee has existing records to demonstrate compliance with the rolling, twelve-month natural gas usage limitation upon issuance of this permit to install.)

3. The permittee shall maintain monthly records of the rolling, twelve-month summation of the facility-wide, monthly distillate oil usages, in gallons. (Note: the permittee has existing records to demonstrate compliance with the rolling, twelve-month distillate oil usage limitation upon issuance of this permit to install.)

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify each month during which the facility-wide VOC, PE, SO2, NOx and CO emissions exceeded the limitations in Part II, Section A.I.1.

2. The permittee shall submit quarterly deviation (excursion) reports that identify each month during which the facility-wide natural gas usage exceeded the limitation in Part II, Section A.I.1.

3. The permittee shall submit quarterly deviation (excursion) reports that identify each month during which the facility-wide distillate oil usage exceeded the limitation in Part II, Section A.I.1.

4. The deviation reports shall be submitted in accordance with the General Terms and Conditions of this permit.

V. Testing Requirements

1. Compliance with the emission limitations in Part II, Section A.I.1 of these terms and conditions shall be determined in accordance with the following methods:

2. Emission Limitation:
Facility-wide VOC emissions shall not exceed 163.4 tons per year as a rolling, twelve-month summation.

Applicable Compliance Method:
The permittee shall calculate the facility-wide VOC emissions, on a monthly basis, as the summation of items a. through e. below:

a. multiply the facility-wide natural gas usage and the facility-wide distillate oil usage by the appropriate emission factors for VOC from USEPA's Compilation of Air Pollution Emission Factors, AP-42, Fifth Edition or the most recent edition of AP-42 and convert the emission rates to tons;

b. for emissions units K201, P201, and P202, monthly VOC emissions shall be calculated as specified in Part III, Section A.V of the terms and conditions for K201, P201, and P202;

c. for the insignificant emissions units (see reference Table 5), the VOC emissions shall be calculated as follows:

i. for the fuel burning units such as the REECO burners, small boilers, heaters, hot water tanks, fire water pumps and backup generators, the VOC emissions are included in 2.a above;

ii. for the solvent sinks, lab fume hoods, lab ovens, lab benches and draw scales, the VOC emissions are included in K201;

iii. for the drum agitation stations, centrifuges, dispense machines, overflow tanks, tank wagon rinsing and pigment pre-assembly, the VOC emissions are included in P201;

iv. for the storage tanks, the most recent version of USEPA's TANKS program shall be used to calculate the VOC emissions;

v. for the Building 41 trash compactor, an emission rate of 0.18 pound of VOC per month shall be assumed based on engineering calculations supplied by the permittee; and

vi. for the uncontrolled paint spray booths, VOC emissions shall equal the entire organic content of the material sprayed;

vii. for the light liquid service pump seals and flanges (connectors) and external flanges, VOC emissions shall be determined using an emission factor of 0.000858 pound VOC per gallon of paint produced (this emission factor was developed by the permittee from 1996 calculated potential fugitive emissions of 8800 pounds VOC/10,254,474 gallons of paint produced; calculations are included in the facility Title V permit application file LDAR2.xls/sheet2.); and

d. the VOC emissions from any new emissions unit(s) may be determined using one or more of the following with Agency approval:

i. USEPA's Compilation of Air Pollution Emission Factors, AP-42, Fifth Edition or the most recent edition of AP-42, Section 5.2 Transportation and Marketing of Petroleum Liquids, (1/95);

ii. USEPA's Compilation of Air Pollution Emission Factors, AP-42, Fifth Edition or the most recent edition of AP-42, Section 6.4 Paint and Varnish, (5/83);

iii. USEPA's Compilation of Air Pollution Emission Factors, AP-42, Fifth Edition or the most recent edition of AP-42, Section 7.1 Organic Liquid Storage Tanks, (9/97);

iv. USEPA emission estimation software programs such as TANKS program, SPECIATE version 3.1, Factor Information Retrieval (FIRE) version 6.22 or the most recent version of these software programs;

v. USEPA's Control of Volatile Organic Compounds Emissions from Ink and Paint Manufacturing Processes, EPA-450/3-92-013, April 1992;

vi. USEPA's 1995 Protocol for Equipment Leak Emission Estimates, EPA-453/R-95-017, November 1995;

vii. stack test emission data;

viii. material balance calculations; or

ix. other Agency-approved emission factors.

The permittee shall calculate the rolling, twelve-month VOC emissions as the sum of the VOC emissions from the current calendar month and the previous 11 calendar months.

3. Emission Limitation:
Facility-wide PE shall not exceed 14.4 tons per year as a rolling, twelve-month summation.

Applicable Compliance Method:
The permittee shall calculate the facility-wide PE, on a monthly basis, as the summation of items a. through d. below:

a. multiply the facility-wide natural gas usage and the facility-wide distillate oil usage by the appropriate emission factors for PE from USEPA's Compilation of Air Pollution Emission Factors, AP-42, Fifth Edition or the most recent edition of AP-42 and convert the emission rates to tons;

b. for emissions units K201 and P201, the PE rate shall be the annual PE rate, in tons per year, calculated in Part III, Section A.V of the terms and conditions for K201 and P201 divided by 12 months per year;

c. for the insignificant emissions units (see reference Table 5 in Appendix A), PE shall be calculated as follows:

i. for the fuel burning units such as the REECO burners, small boilers, heaters, hot water tanks, fire water pumps and backup generators, the PE are included in 3.a. above; and

ii. for the uncontrolled paint spray booths, PE shall equal the entire solids content of the material sprayed.

d. the PE from any new emissions unit(s) may be determined using one of the following with Agency approval:

i. USEPA's Compilation of Air Pollution Emission Factors, AP-42, Fifth Edition or the most recent edition of AP-42, Section 6.4 Paint and Varnish, (5/83);

ii. USEPA's Control of Volatile Organic Compounds Emissions from Ink and Paint

Manufacturing Processes EPA-450/3-92-013 April 1992;

iii. stack test emission data;

iv. material balance calculations; or

v. other Agency-approved emission factors.

The permittee shall calculate the rolling, twelve-month PE as the sum of the PE from the current calendar month and the previous 11 calendar months.

4. Emission Limitation:
Facility-wide SO2 emissions shall not exceed 35.8 tons per year as a rolling, twelve-month summation.

Applicable Compliance Method:
The permittee shall calculate the facility-wide SO2 emissions, on a monthly basis, as the summation of items a. through c. below:

a. multiply the facility-wide natural gas usage and the facility-wide distillate oil usage by the appropriate emission factors for SO2 from USEPA's Compilation of Air Pollution Emission Factors, AP-42, Fifth Edition or the most recent edition of AP-42 and convert the emission rates to tons;

b. for the fuel burning units such as the REECO burners, small boilers, heaters, hot water tanks, fire water pumps and backup generators, the SO2 emissions are included in 4.a. above; and

c. SO2 emissions from any new emissions unit(s) may be determined using one of the following with Agency approval:

i. stack test emission data;

ii. material balance calculations; or

iii. other Agency-approved emission factors.

The permittee shall calculate the rolling, twelve-month SO2 emissions as the sum of the SO2 emissions from the current calendar month and the previous 11 calendar months.

5. Emission Limitation:
Facility-wide NOx emissions shall not exceed 64.0 tons per year as a rolling, twelve-month summation.

Applicable Compliance Method:

The permittee shall calculate the facility-wide NOx emissions, on a monthly basis, as the summation of items a. through c. below:

a. multiply the facility-wide natural gas usage and the facility-wide distillate oil usage by the appropriate emission factors for NOx from USEPA's Compilation of Air Pollution Emission Factors, AP-42, Fifth Edition or the most recent edition of AP-42 and convert the emission rates to tons;

b. for the fuel burning units such as the REECO burners, small boilers, heaters, hot water tanks, fire water pumps and backup generators, the NOx emissions are included in 5.a above; and

c. NOx emissions from any new emissions unit(s) may be determined using one of the following with Agency approval:

   i. stack test emission data;

   ii. material balance calculations; or

   iii. other Agency-approved emission factors.

The permittee shall calculate the rolling, twelve-month NOx emissions as the sum of the NOx emissions from the current calendar month and the previous 11 calendar months.

6. Emission Limitation:
Facility-wide CO emissions shall not exceed 47.8 tons per year as a rolling, twelve-month summation.

Applicable Compliance Method:
The permittee shall calculate the facility-wide CO emissions, on a monthly basis, as the summation of items a. through c. below:

a. multiply the facility-wide natural gas usage and the facility-wide distillate oil usage by the appropriate emission factors for CO from USEPA's Compilation of Air Pollution Emission Factors, AP-42, Fifth Edition or the most recent edition of AP-42 and convert the emission rates to tons;

b. for the fuel burning units such as the REECO burners, small boilers, heaters, hot water tanks, fire water pumps and backup generators, the CO emissions are included in 6.a above; and

c. CO emissions from any new emissions unit(s) may be determined using one of the following with Agency approval:

i. stack test emission data;

ii. material balance calculations; or

iii. other Agency-approved emission factors.

The permittee shall calculate the rolling, twelve-month CO emissions as the sum of the CO emissions from the current calendar month and the previous 11 calendar months.

VI. Miscellaneous Requirements

1. This permit to install (PTI 13-03881) includes the following tables:

Table A List of Permits to Install (PTI's) issued to PPG Industries Ohio, Inc., Cleveland, Ohio
Table 1 Non-Insignificant Emissions Units [emissions units under PTI 13-03881]
Table 2 K201 - Paint Laboratory Operations Emissions Units [emissions units grouped pursuant to OAC rule 3745-21-09(MM)(3)]
Table 3 P201 - Paint Manufacturing Operations Emissions Units [emissions units grouped pursuant to OAC rule 3745-21-09(MM)(2)]
Table 4 P202 - Dedicated Water based Paint Production Equipment [emissions units grouped pursuant to OAC rule 3745-21-09(MM)(4)]
Table 5 Insignificant Emissions Units* [does not include any emissions units regulated under OAC rules 3745-21-09(MM)(2), (3), or (4)]
*Pursuant to OAC rule 3745-77-01(U)(1), insignificant emissions units include "All source categories excluded from the requirements to obtain installation permits...". Therefore, all "PTI exempt" emissions units are by definition "Insignificant Emissions Units" for Title V purposes.

2. This PPG Industries permit to install (PTI 13-03881) is designed to contain all emissions units that are required to obtain a permit to install and a list of all insignificant emissions units at this facility. This permit will typically be modified whenever PPG Industries applies for a permit to either modify existing emissions units or to install new emissions units at this facility.

3. As per OAC rule 3745-31-02, PPG Industries shall apply for and obtain an air pollution permit to install prior to beginning construction of any non exempt new or modified air contaminant source (emissions unit). Once PPG Industries has submitted a permit application for any such new or modified source, Ohio EPA will determine if either (a) a separate permit to install will be issued, or (b) this permit to install will be revised.

4. The permittee shall submit updated Emissions Unit Tables 2, 3, and 4 to the Director (the Cleveland local air agency) on an annual basis. The updated tables shall include a complete list of emissions units for each table (including an identification of all emissions unit(s) that is/are permanently shut down and dismantled) as of the end of the calendar year. This report shall be submitted to the Director (the Cleveland local air agency) by February 28 of each year.

   The updated Emissions Unit Tables 2, 3, and 4 will be included in the next modification to PTI

13-03881. If none of the Emissions Unit Tables 2, 3, or 4 requires an update, the permittee shall submit a report by February 28 of each year that states no revisions are required.

5. The permittee shall submit an updated Emissions Unit Table 5 (Insignificant Emissions Units) to the Director (the Cleveland local air agency) on an annual basis. The updated table shall include the complete list of emissions units including any PTI exempt emissions unit(s) installed during the last calendar year and an identification of all emissions unit(s) that is/are permanently shut down and dismantled. This report shall be submitted to the Director (the Cleveland local air agency) by February 28 of each year.

   The updated Emissions Unit Table 5 will be included in the next modification to PTI 13-03881. If Emissions Unit Table 5 does not require an update, the permittee shall submit a report by February 28 of each year that states no revision is required.

6. The terms and conditions of this permit to install (PTI 13-03881) hereby incorporate all the applicable requirements, including emission limitations/control measures, established pursuant to OAC rule 3745-31-05(A)(3) (Best Available Technology) and specified in the permits to install listed in Table A.

B. State Only Enforceable Permit To Install Facility Specific Terms and Conditions

None

Emissions Unit ID: B007

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. 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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
B007 - 28 MMBtu/hr distillate oil (#1 and #2 fuel oil, kerosene and diesel fuel, but excluding #4 fuel oil) and natural gas-fired boiler	OAC rule 3745-31-05(A)(3)	See Sections A.I.2.a-A.I.2.c below. The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A)(1) and 3745-17-10(B)(1).
	OAC rule 3745-17-07(A)(1)	Visible particulate emissions (PE) shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.
	OAC rule 3745-17-10(B)(1)	PE shall not exceed 0.020 pound/MMBtu of actual heat input.
	OAC rule 3745-18-06(A)	exempt pursuant to OAC rule 3745-18-06(A) when burning only natural gas (See Section A.I.2.d below.)
	OAC rule 3745-18-06(D)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rules 3745-21-08(B) and 3745-23-06(B)	None, see Section A.I.2.e below.

2. Additional Terms and Conditions

2.a Emissions from the combustion of natural gas shall not exceed:
0.053 pound PE/hour*, 0.233 ton PE/year*
0.017 pound SO2/hour*, 0.074 ton SO2/year*
0.154 pound VOC/hour*, 0.675 ton VOC/year*
2.80 pounds NOx/hour*; 12.26 tons NOx/year*
2.35 pounds CO/hour*, 10.30 tons CO/year*

*The pound/hour and ton/year emission limitations are based on the emissions unit's potentials to emit while burning natural gas. Therefore, no record keeping, reporting, or testing requirements are necessary to ensure compliance with these emission limitations.

2.b Emissions from the combustion of distillate oil shall not exceed:
0.42 pound PE/hour*
14.73 pounds SO2/hour*
0.07 pound VOC/hour*
4.15 pounds NOx/hour*
1.04 pounds CO/hour*

1.0 ton of PE per year as a rolling, twelve-month summation;
35.5 tons of SO2 per year as a rolling, twelve-month summation;
0.2 ton of VOC per year as a rolling, twelve-month summation;
10.0 tons of NOx per year as a rolling, twelve-month summation; and
2.5 tons of CO per year as a rolling, twelve-month summation.

*The pound/hour limitations are based on the emissions unit's potentials to emit while burning distillate oil. Therefore, no record keeping, reporting, or testing requirements are necessary to ensure compliance with these emission limitations.

2.c The quality of the oil burned in this emissions unit shall have a combination of sulfur content and heat content sufficient to comply with an emission limitation of 0.526 pound SO2/MMBtu of actual heat input. The sulfur content of the distillate oil burned in this emissions unit shall not exceed 0.5% by weight.

Compliance with the above-mentioned specifications shall be determined by using the analytical results provided by the permittee or oil supplier for each shipment of oil.

2.d OAC rule 3745-18-06(A) does not establish sulfur dioxide emission limitations for this emissions unit when burning only natural gas as fuel. However, OAC rule 3745-18-06(A)

requires that the natural gas being combusted meet certain fuel quality restrictions (a heat content greater than 950 Btu per standard cubic foot and a sulfur content less than 0.6 pound per million standard cubic feet). Because the natural gas being burned in this emissions unit is the standard, pipeline quality natural gas supplied to industrial, commercial, and residential users throughout the State, it is assumed that it meets the fuel quality restrictions; and no monitoring, record keeping or reporting requirements are necessary to ensure ongoing compliance with OAC rule 3745-18-06(A).

2.e The design of the emissions unit and the technology associated with the current operating practices satisfy the "best available control techniques and operating practices" and "latest available control techniques and operating practices" required pursuant to OAC rules 3745-21-08 and 3745-23-06, respectively.

II. Operational Restrictions

1. The permittee shall burn only natural gas or distillate oil in this emissions unit.

III. Monitoring and/or Recordkeeping Requirements

1. For each day during which the permittee burns a fuel other than natural gas and/or distillate oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

2. The permittee shall collect or require the oil supplier to collect a representative grab sample for each shipment of oil that is received for burning in this emissions unit. The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with ASTM method D4294 for sulfur content and ASTM method D240 for heat content. Alternative, equivalent methods may be used upon written approval by the appropriate Ohio EPA District Office or local air agency.

3. For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/MMBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).)

4. The permittee shall maintain monthly records of the total gallons of distillate oil burned in this emissions unit.

5. The permittee shall maintain monthly records of the rolling, twelve-month summation of the total gallons of distillate oil burned in this emissions unit.

6. The permittee shall maintain monthly records of rolling, twelve-month summation of emissions of PE, SO2, VOC, NOx, and CO when distillate oil is burned in this emissions unit.

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas and/or distillate oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

2. The permittee shall submit quarterly deviation (excursion) reports that identify each shipment of oil that exceeds the 0.526 pound SO2/MMBtu limitation and each shipment of oil that contains greater than 0.5% by weight sulfur.

3. The quarterly deviation reports shall be submitted in accordance with the reporting requirements specified in the General Terms and Conditions of this permit.

3. The permittee shall submit annual reports that specify the total distillate oil usage and the calculated rolling, twelve-month PE, SO2, VOC, NOx, and CO emission rates for this emissions unit. These reports shall be submitted by January 31 of each year for the previous calendar year's operation.

V. Testing Requirements

1. Compliance with the emission limitations contained in section A.I.1 of these terms and conditions shall be determined in accordance with the following methods:

2. Emission Limitations:
Emissions from the combustion of natural gas shall not exceed:
0.053 pound PE/hour, 0.233 ton PE/year
0.017 pound SO2/hour, 0.074 ton SO2/year
0.154 pound VOC/hour, 0.675 ton VOC/year
2.80 pounds NOx/hour; 12.26 tons NOx/year
2.35 pounds CO/hour, 10.30 tons CO/year

Applicable Compliance Methods:
Compliance with the hourly emission limitations may be determined by multiplying the emissions unit's maximum hourly natural gas usage (28,000 ft3/hour) by the appropriate emission factors for each pollutant from USEPA's Compilation of Air Pollutant Emission Factors, AP-42, Fifth Edition or the most recent edition of AP-42, Table 1.4-2 (7/98) for natural gas (pounds/MMft3).

The annual emission limitations were established by multiplying the maximum hourly emission limitations by 8760 hours per year and dividing by 2000 pounds per ton.

If required, the permittee shall demonstrate compliance with the hourly emission limitations through emission testing conducted in accordance with the appropriate methods found in 40 CFR Part 60, Appendix A.

3. Emission Limitations:
Emissions from the combustion of distillate oil shall not exceed:
0.42 pound PE/hour
14.73 pounds SO2/hour

0.07 pound VOC/hour
4.15 pounds NOx/hour
1.04 pounds CO/hour

Applicable Compliance Methods:
Compliance with the hourly emission limitations may be determined by multiplying the emissions unit's maximum hourly distillate oil usage (204 gallons/hour) by the appropriate emission factors for each pollutant from USEPA's Compilation of Air Pollutant Emission Factors, AP-42, Fifth Edition or the most recent edition of AP-42, Table 1.3-1 for distillate oil (pounds/1000 gallon).

If required, the permittee shall demonstrate compliance with the hourly emission limitations through emission testing conducted in accordance with the appropriate methods found in 40 CFR Part 60, Appendix A.

4. Emission Limitations:
Emissions from the combustion of distillate oil shall not exceed:
1.0 ton of PE per year as a rolling, twelve-month summation;
0.2 ton of VOC per year as a rolling, twelve-month summation;
10.0 tons of NOx per year as a rolling, twelve-month summation
2.5 tons of CO per year as a rolling, twelve-month summation; and
35.5 tons of SO2 per year as rolling, twelve-month summation.

Applicable Compliance Method:
Compliance shall be demonstrated by multiplying the updated rolling, twelve-month distillate oil usage, in gallons, from Section A.III.5 by the appropriate emission factors for each pollutant from USEPA's Compilation of Air Pollutant Emission Factors, AP-42, Fifth Edition or the most recent edition of AP-42, Table 1.3-1 for distillate oil (pounds/1000 gallon) and dividing by 2000 lbs/ton.

5. Emission Limitation:
0.526 pound SO2/MMBtu of actual heat input and a maximum sulfur content of 0.5% by weight

Applicable Compliance Method:
Compliance shall be based on the record keeping in Section A.III.

If required, the permittee shall demonstrate compliance with the pound SO2/MMBtu emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 6.

6. Emission Limitation:
Visible PE shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.

Applicable Compliance Method:
If required, compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

7. Emission Limitation:
PE shall not exceed 0.020 pound/MMBtu actual heat input.

Applicable Compliance Method:
When firing natural gas, compliance with this emission limitation shall be demonstrated by multiplying the maximum hourly gas burning capacity of the emissions unit (28,000 ft3/hour) by the emission factor from USEPA's Compilation of Air Pollutant Emission Factors, AP-42, Fifth Edition or the most recent edition of AP-42, Table 1.4-2 (7/98) for filterable particulates in natural gas combustion (1.9 pounds of particulates/MMft3), and dividing by the maximum hourly heat input capacity of the emissions unit (28 MMBtu/hour).

When firing distillate oil, compliance with this emission limitation shall be demonstrated by multiplying the maximum distillate oil burning capacity of the emissions unit (204 gallon/hour) by the emission factor from USEPA's Compilation of Air Pollutant Emission Factors, AP-42, Fifth Edition or the most recent edition of AP-42, Table 1.3-1 (9/98) for filterable particulates in distillate oil combustion (2 pounds of particulates/1000 gallon), and dividing by the maximum hourly heat input capacity of the emissions unit (28 MMBtu/hour).

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03(B)(9) while firing distillate oil.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. 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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
B007 - 28 MMBtu/hr distillate oil (#1 and #2 fuel oil, kerosene and diesel fuel, but excluding #4 fuel oil) and natural gas-fired boiler	none	none

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. 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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	
K201 - paint laboratory operations (see Table 2: Paint Laboratory Operations Emissions Units), controlled by a water curtain or dry filtration system located upstream of a REECO (Regenerative Environmental Equipment Company) regenerative thermal incinerator (REECO II) MODIFIED This terms and conditions of this permit supercede the terms and conditions in PTI #13-03881 issued on 1/21/2003.	OAC rule 3745-31-05(A)(3)	OAC rule 3745-21-09(MM)(3) OAC rule 3745-17-07(A)(1)

OAC rule 3745-17-11(B)	Applicable Emissions Limitations/Control Measures Volatile organic compounds (VOC) emissions shall not exceed 65.0 tons per year as a rolling, twelve-month summation. Particulate emissions (PE) shall not exceed 0.3 pound per hour* and 1.2 tons per year as a rolling, twelve-month summation*. *These emission limitations are based on the emissions unit's potential to emit, with controls. Therefore, no record keeping and/or reporting requirements are necessary to ensure compliance with these emission limitations. Visible PE from the REECO II stack shall not exceed 5% opacity, as a 6-minute average. There shall be no visible fugitive PE from this emissions unit. Natural gas combustion emissions from the burners serving the REECO II thermal incinerator shall not exceed: 0.07 lb VOC/hr*; 0.02 lb PE/hr*; 0.01 lb SO2/hr*; 1.30 lbs NOx/hr*; and 1.09 lbs CO/hr*. * This lbs/hr emission limitation is	based on the emissions unit's potential to emit. Therefore, no record keeping and/or reporting requirements are necessary to ensure compliance with this emission limitation. The requirements of this rule also include compliance with the requirements of OAC rules 3745-21-09(MM)(3). See Sections A.I.2.c-A.I.2.d below. The visible emission limitation specified by this rule is less stringent than the visible emission limitation established pursuant to OAC rule 3745-31-05(A)(3). The hourly emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

2.a This emissions unit is considered to be "in operation" at any time during which any emissions unit(s) identified in Table 2: Paint Laboratory Operations Emissions Units is in operation.

2.b The permittee shall vent all of the PE to a water curtain system or dry filtration system at all times when this emissions unit is in operation.

2.c Except as otherwise provided in paragraph (MM)(4) of OAC rule 3745-21-09 (See Section A.I.2.d below), the VOC emissions from the equipment included within the paint laboratory operations shall be vented to a control system that shall achieve a minimum control efficiency of 90.0 percent by weight for the VOC emissions or a maximum outlet VOC concentration of twenty parts per million by volume dry basis.

2.d The requirements of OAC rule 3745-21-09 (MM)(3) shall not apply to any specific piece of equipment included within the paint laboratory operations during the processing or use of a waterbased paint material in said equipment, provided the following three conditions are met:

i. the equipment is dedicated solely to the production of waterbased paint materials;

ii. the VOC content of each waterbased paint material is less than or equal to 12.0 percent VOC by weight as determined under paragraph (B) of OAC rule 3745-21-10; and

iii. any VOC emissions from the processing or use of the waterbased paint materials that are not vented to the control systems specified in paragraph (MM)(3) of OAC rule 3745-21-09(MM) are included (accounted for) in a permit to install issued by the Director after August 22, 1990 pursuant to OAC Chapter 3745-31. These permits to install are identified in Table A: List of Permits of Install Issued to PPG Industries Ohio, Inc., Cleveland, Ohio.

II. Operational Restrictions

1. The average combustion temperature within the thermal incinerator, for any 3-hour block of time when the emissions unit is in operation, shall not be more than 50 degrees Fahrenheit below the average temperature during the most recent emissions test that demonstrated that the emissions unit was in compliance.

2. The permittee shall operate a water curtain system or dry filtration system at all times when the associated paint laboratory operation is in operation.

   (Spray booths are utilized to coat metal panels for automotive coating quality control/assurance and product development.

   The spray booths are located within laboratory rooms segregated from office areas by doors and a hallway within the plant multi-floor building. The doors to the lab areas remain closed at all times. The entire building is equipped with an environmental air handling system to maintain temperature and humidity to meet proper spraying specifications. As such, the building is equipped with sealed casement windows that may not be opened to the outside. Beyond the labs and office areas, secondary means of egress are provided into the building at ground level.

   Each spray booth in the lab, under induced draft ventilation, is equipped with either a water curtain or a dry filter system to control overspray particulate emissions. The air stream from each spray booth is vented and controlled by the REECO II thermal incinerator. The spray booth is engineered and designed to trap paint overspray from the coating of the panels. If insufficient capture exists during the spraying, the operation is immediately discontinued.)

3. The permittee shall burn only natural gas in the burners serving the REECO II thermal incinerator controlling this emissions unit.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the thermal incinerator when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

   The permittee shall collect and record the following information each day for the control equipment when this emissions unit is in operation:

   a. a log of downtime for the control device, monitoring equipment and the associated emissions unit; and

   b. all 3-hour blocks of time (when the emissions unit was in operation) during which the average incineration temperature was more than 50 degrees Fahrenheit below the average incineration temperature during the most recent emissions test that demonstrated the emissions unit was in compliance.

2. For any specific equipment included within the paint laboratory operations, for which the permittee claims an exemption from the requirements of paragraph (MM)(3) of OAC rule 3745-

21-09, pursuant to paragraph (MM)(4) of OAC rule 3745-21-09, the permittee shall keep daily records of the periods of time during which there is no laboratory activity at said equipment.

3. The permittee shall maintain daily records that document any time periods when a water curtain system or dry filtration system was not in service when the associated paint laboratory operation was in operation.

4. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the REECO II stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

   a. the color of the emissions;
   b. the total duration of any visible emission incident; and
   c. any corrective actions taken to eliminate the visible emissions.

   The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned frequencies for performing the visible emissions checks if operating experience indicates that less frequent visible emissions checks would be sufficient to ensure compliance with the above-mentioned applicable requirements. Such modified visible emissions check frequencies would not be considered a minor or significant modification that would be subject to the Title V permit modification requirements in paragraphs (C)(1) and (C)(3) of OAC rule 3745-77-08.

5. For each day during which the permittee burns a fuel other than natural gas in the burners serving the REECO II thermal incinerator controlling this emissions unit, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

6. The permittee shall keep monthly records of the operating hours (on line time) and the downtime (off line time) of the thermal incinerator while the emissions unit was in operation.

7. The permittee shall keep monthly records of the hours of operation of this emissions unit.

8. The permittee shall maintain monthly records of the rolling, twelve-month VOC emissions, in tons.

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas was burned in the burners serving the REECO II thermal incinerator controlling this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

2. The permittee shall notify the Director (the appropriate District Office or local air agency) in

writing of any record showing that a water curtain system or dry filtration system was not in service when the associated paint laboratory operation was in operation. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days after the event occurs.

3. The permittee shall submit quarterly temperature deviation (excursion) reports that identify all 3-hour blocks of time (when the emissions unit was in operation) during which the average combustion temperature within the thermal incinerator was more than 50 degrees Fahrenheit below the average temperature during the most recent emissions test that demonstrated the emissions unit was in compliance.

4. The permittee shall submit quarterly deviation (excursion) reports that identify each month during which the VOC emission rate exceeded the limitation in Section A.I.1.

5. Except as otherwise provided in paragraph (MM)(4) of OAC rule 3745-21-09 (see Section A.I.2.d), the permittee shall submit quarterly deviation (excursion) reports that identify all periods of time during which the REECO II was not in service when the emissions unit was in operation.

6. The quarterly deviation (excursion) reports shall be submitted in accordance with the General Terms and Conditions of this permit.

7. The permittee shall submit semiannual written reports that (a) identify all days during which any visible PE were observed from the REECO II stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible PE. These reports shall be submitted to the Director (the appropriate Ohio EPA District or local air agency) by January 31 and July 31 of each year and shall cover the previous six-month period.

V. Testing Requirements

1. Compliance with the emission limitations in Section A.I of these terms and conditions shall be determined in accordance with the following methods:

   1.a Emission Limitation:
   VOC emissions shall not exceed 65.0 tons per year as a rolling, twelve-month summation.

   Applicable Compliance Method:
   The permittee shall calculate the monthly VOC emissions from the paint laboratory operations as follows:

   Controlled monthly emissions = "on line" hours/month of the thermal incinerator recorded

in Section A.III.6 X 14.0 pounds VOC/hour* X 1 ton/2000 pounds

Uncontrolled monthly emissions = "off line" hours/month of the thermal incinerator recorded in Section A.III.6 X 47.8 pounds VOC/hour* X 1 ton/2000 pounds

Total monthly actual emissions = Controlled monthly emissions + Uncontrolled monthly emissions

The permittee shall calculate the rolling, twelve-month VOC emissions as the sum of the VOC emissions from the current calendar month and the previous 11 calendar months.

* These emission factors are based upon emission testing conducted in June, 2004 which demonstrated an average inlet VOC emission rate of 47.8 pounds/hour and an average outlet VOC emission rate of 14.0 pounds/hour. The permittee shall use the emission factors from the most recent emissions test that demonstrated the emissions unit was in compliance for purposes of this calculation.

1.b Emission Limitations:
Particulate emissions (PE) shall not exceed 0.3 pound per hour and 1.2 tons per year as a rolling, twelve-month summation.

Applicable Compliance Method:
The PE limitations were established as follows:

E = Maximum coating solids usage rate (in pounds per hour) X (1 - TE) X (1 - CE); where

E = Actual worst case PE rate, in pounds per hour

Maximum coating solids usage rate for all 82 spray booths = (21,550 gals paint/yr X 6.5 lbs PE/gal)/(8760 hrs/yr) = 15.99 lbs PE/hr

TE = Transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used, expressed as a fraction (0.65)

CE = Control efficiency of the PE control equipment, expressed as a fraction (0.95)

Using the above equation, E = 0.3 lb PE/hr

Annual PE is estimated as: 0.3 lb PE/hr X (8760 hrs/yr)/(2000 lbs/ton) = 1.2 tons PE per year.

Therefore, the permittee may assume an emission rate from this emissions unit of 1.2 tons PE per year as a rolling, twelve-month summation.

1.c Emission Limitation:
Visible PE from the REECO II stack shall not exceed 5% opacity, as a 6-minute average.

Applicable Compliance Method:
If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

1.d Emission Limitation:
There shall be no visible fugitive PE from this emissions unit.

Applicable Compliance Method:
If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 22.

1.e Emission Limitation:
A minimum control efficiency of 90.0 percent by weight for VOC emissions or a maximum outlet VOC concentration of twenty parts per million by volume dry basis.

Applicable Compliance Method:
Emission testing shall be conducted within six months after issuance of this permit.

The emission testing shall be conducted to demonstrate compliance with the minimum control efficiency limitation or the maximum outlet VOC concentration.

The following test methods shall be employed: Methods 1-4 and 18, 25, or 25A as appropriate, of 40 CFR 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

Concurrent visible emissions observations at the REECO II stack shall be conducted during the emission testing in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air

agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. 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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
K201 - paint laboratory operations (see Table 2: Paint Laboratory Operations Emissions Units), controlled by a water curtain or dry filtration system located upstream of a REECO (Regenerative Environmental Equipment Company) regenerative thermal incinerator (REECO II)		

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Record keeping Requirements

1. Air Toxic Policy Clarifying Language

The permit to install for this emissions unit (K201) was evaluated based on the actual materials (typically coatings and cleanup materials) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's

"Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

a. Pollutant: Xylene

TLV (ug/m^3): 434,233

Maximum Hourly Emission Rate (pounds/hour): 20.0

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m^3): 30.9

MAGLC (ug/m^3): 10,339

b. Pollutant: N-butyl Acetate

TLV (ug/m^3): 712,638

Maximum Hourly Emission Rate (pounds/hour): 20.0

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m^3): 30.9

MAGLC (ug/m^3): 16,968

c. Pollutant: Methyl ethyl ketone

TLV (ug/m^3): 589,851

Maximum Hourly Emission Rate (pounds/hour): 20.0

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m^3): 30.9

MAGLC (ug/m^3): 14,044

d. Pollutant: Di-isobutyl ketone

TLV (ug/m^3): 145,440

Emissions Unit ID: K201

Maximum Hourly Emission Rate (pounds/hour): 20.0

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m^3): 30.9

MAGLC (ug/m^3): 3,463

e. Pollutant: Ethanol

TLV (ug/m^3): 1,884,254

Maximum Hourly Emission Rate (pounds/hour): 20.0

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m^3): 30.9

MAGLC (ug/m^3): 44,863

f. Pollutant: Methyl isobutyl ketone

TLV (ug/m^3): 204,826

Maximum Hourly Emission Rate (pounds/hour): 20.0

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m^3): 30.9

MAGLC (ug/m^3): 4,877

2. Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

a. changes in the composition of the materials used (typically for coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;

b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and

c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased

exhaust flow, changes in stack height, changes in stack diameter, etc.).

3. If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

   The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"

   a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);

   b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and

   c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. 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.

Operations, Property, and/or Equipment		Applicable Rules/Requirements
P201 - paint manufacturing operations (see Table 3: Paint Manufacturing Operations Emissions Units), controlled by a REECO (Regenerative Environmental Equipment Company) regenerative thermal incinerator (REECO I), a stand alone primary dust collector (600-DC-1 baghouse) and three dust collectors: 9-DC-1 baghouse, 19-DC-1 baghouse, and 21-DC-1 baghouse. located upstream of the REECO I thermal incinerator MODIFIED This terms and conditions of this permit supercede the terms and conditions in PTI #13-03881 issued on 1/21/2003.		OAC rule 3745-31-05(A)(3)

Emissions Unit ID: P201

		Applicable Emissions Limitations/Control Measures
	OAC rule 3745-17-08(B)	Volatile organic compounds (VOC) emissions shall not exceed 80.0 tons per year as a rolling, twelve-month summation. Particulate emissions (PE) (stack and fugitive combined) shall not exceed 1.4 pounds per hour* and 6.0 tons per year as a rolling, twelve-month summation*. *These emission limitations are based on the emissions unit's potential to emit, with controls. Therefore, no record keeping and/or reporting requirements are necessary to ensure compliance with these emission limitations. Visible PE from the REECO I stack shall not exceed 5% opacity, as a 6-minute average. Visible PE from the primary dust collector (600-DC-1 baghouse) stack shall not exceed 5% opacity, as a 6-minute average.
OAC rule 3745-21-09(MM)(2)		Visible fugitive PE shall not exceed 5% opacity, as a 3-minute average.
OAC rule 3745-17-07(A)(1)		Natural gas combustion emissions from the burners serving the REECO I thermal incinerator shall not exceed:
OAC rule 3745-17-11(B)		0.07 lb VOC/hr*; 0.02 lb PE/hr*; 0.01 lb SO2/hr*; 1.30 lbs NOx/hr*; and 1.09 lbs CO/hr*.
OAC rule 3745-17-07(B)(1)		* This lbs/hr emission limitation is based on the emissions unit's potential to emit.

Therefore, no record keeping and/or reporting requirements are necessary to ensure compliance with this emission limitation.

The requirements of this rule also include compliance with the requirements of OAC rules 3745-21-09(MM)(2) and 3745-17-08(B).

See Sections A.I.2.d-A.I.2.e below.

The visible emission limitation specified by this rule is less stringent than the visible emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

The hourly emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

The visible emission limitation specified by this rule is less stringent than the visible emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

See Section A.I.2.b below.

2. Additional Terms and Conditions

2.a This emissions unit is considered to be "in operation" at any time during which any emissions unit(s) identified in Table 3: Paint Manufacturing Operations Emissions Units is in operation.

2.b The permittee shall ensure that the dust collectors are operated with sufficient air volume to minimize or eliminate visible fugitive PE at the points of capture to the extent possible with good engineering design.

2.c The permittee shall vent the PE from the paint manufacturing equipment listed below to the corresponding control device(s):

9-M-6 Mixer controlled by 9-DC-1 Baghouse which is exhausted to REECO I regenerative thermal incinerator;
19-M-01 Mixer, 19-M-02 Mixer, 19-M-03 Mixer, 19-M-04 Mixer, 19-M-05 Mixer, 19-M-06 Mixer, 19-M-08 Mixer, 19-M-09 Mixer, 19-M-10 Mixer, 19-M-11 Mixer, and 19-M-12 Mixer controlled by 19-DC-1 Baghouse which is exhausted to REECO I regenerative thermal incinerator;
21-M-01 Mixer controlled by 21-DC-1 Baghouse which is exhausted to REECO I regenerative thermal incinerator; and
600-PA-1 Pigment Assembly controlled by a stand alone primary dust collector 600-DC-1 Baghouse.

2.d Except as otherwise provided in paragraph (MM)(4) of OAC rule 3745-21-09 (See Section A.I.2.e below), the VOC emissions from the equipment included within the paint manufacturing operations shall be vented either directly or by means of a building or local area exhaust to a control system that shall maintain compliance with any of the following requirements:

i. a minimum control efficiency of 98.0 percent by weight for the VOC emissions;
ii. a maximum outlet VOC concentration of twenty parts per million by volume dry basis; or
iii. a minimum incineration temperature of one thousand five hundred degrees Fahrenheit.

2.e The requirements of OAC rule 3745-21-09 (MM)(2) shall not apply to any specific piece of equipment included within the paint manufacturing operations during the processing or use of a waterbased paint material in said equipment, provided the following three conditions are met:

i. the equipment is dedicated solely to the production of waterbased paint materials;

ii. the VOC content of each waterbased paint material is less than or equal to 12.0 percent VOC by weight as determined under paragraph (B) of OAC rule 3745-21-10; and

iii. any VOC emissions from the processing or use of the waterbased paint materials that are not vented to the control systems specified in paragraph (MM)(2) of OAC rule 3745-21-09(MM) are included (accounted for) in a permit to install issued by the Director after August 22, 1990 pursuant to OAC Chapter 3745-31. These permits to install are identified in Table A: List of Permits of Install Issued to PPG Industries Ohio, Inc., Cleveland, Ohio.

II. Operational Restrictions

1. The average combustion temperature within the thermal incinerator, for any 3-hour block of time when the emissions unit is in operation, shall not be more than 50 degrees Fahrenheit below the average temperature during the most recent emissions test that demonstrated that the emissions unit was in compliance.

2. Any mixing or blending tank containing a paint material shall be equipped with a cover or lid that completely covers the opening of the tank, except for an opening no larger than necessary to allow for safe clearance for the mixer's shaft. Such tank shall be covered at all times in which the tank contains a paint material except when operator access is necessary to add ingredients or take samples.

3. The permittee shall operate the PE control device(s) at all times when this emissions unit is in operation and pigment is being blended.

4. The permittee shall burn only natural gas in the burners serving the REECO I thermal incinerator controlling this emissions unit.

III. Monitoring and/or Record keeping Requirements

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the thermal incinerator when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer’s recommendations, with any modifications deemed necessary by the permittee.

The permittee shall collect and record the following information each day for the control equipment when the emissions units are in operation:

a. a log of down time for the control device, monitoring equipment and the associated emissions units; and

b. all 3-hour blocks of time (when the emissions unit was in operation) during which the average incineration temperature was more than 50 degrees Fahrenheit below the average incineration temperature during the most recent emissions test that demonstrated the emissions unit was in compliance.

2. For any specific equipment included within the paint manufacturing operations, for which the permittee claims an exemption from the requirements of paragraph (MM)(2) of OAC rule 3745-21-09, pursuant to paragraph (MM)(4) of OAC rule 3745-21-09, the permittee shall keep daily records of the periods of time during which there is no activity at said equipment.

3. The permittee shall maintain daily records that document any time periods when the PE control device(s) were not in service when the emissions unit was in operation and pigment was being blended.

4. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the REECO I stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

   a. the color of the emissions;
   b. the total duration of any visible emission incident; and
   c. any corrective actions taken to eliminate the visible emissions.

   The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned frequencies for performing the visible emissions checks if operating experience indicates that less frequent visible emissions checks would be sufficient to ensure compliance with the above-mentioned applicable requirements. Such modified visible emissions check frequencies would not be considered a minor or significant modification that would be subject to the Title V permit modification requirements in paragraphs (C)(1) and (C)(3) of OAC rule 3745-77-08.

5. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the primary dust collector, 600-DC-1 stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note

the following in the operations log:

a. the color of the emissions;
b. the total duration of any visible emission incident; and
c. any corrective actions taken to eliminate the visible emissions.

The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned frequencies for performing the visible emissions checks if operating experience indicates that less frequent visible emissions checks would be sufficient to ensure compliance with the above-mentioned applicable requirements. Such modified visible emissions check frequencies would not be considered a minor or significant modification that would be subject to the Title V permit modification requirements in paragraphs (C)(1) and (C)(3) of OAC rule 3745-77-08.

6. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive particulate emissions from this emissions unit. The presence or absence of any visible fugitive emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

   a. the color of the emissions;
   b. the total duration of any visible emission incident; and
   c. any corrective actions taken to eliminate the visible emissions.

   The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned frequencies for performing the visible emissions checks if operating experience indicates that less frequent visible emissions checks would be sufficient to ensure compliance with the above-mentioned applicable requirements. Such modified visible emissions check frequencies would not be considered a minor or significant modification that would be subject to the Title V permit modification requirements in paragraphs (C)(1) and (C)(3) of OAC rule 3745-77-08.

7. The permittee shall maintain monthly records of the operating hours (on line time) and the downtime (off line time) of the thermal incinerator while the emissions unit was in operation.

8. The permittee shall maintain monthly records of the hours of operation of this emissions unit.

9. The permittee shall maintain monthly records of the rolling, twelve-month VOC emissions, in tons.

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas was burned in the burners serving the REECO I thermal incinerator controlling this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

2. The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any record showing that the PE control device(s) were not in service when the associated paint manufacturing equipment was in operation and pigment was being blended. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days after the event occurs.

3. The permittee shall submit quarterly temperature deviation (excursion) reports that identify all 3-hour blocks of time (when the emissions unit was in operation) during which the average combustion temperature within the thermal incinerator was more than 50 degrees Fahrenheit below the average temperature during the most recent emissions test that demonstrated the emissions unit was in compliance.

4. The permittee shall submit quarterly deviation (excursion) reports that identify each month during which the VOC emission rate exceeded the limitation in Section A.I.1.

5. Except as otherwise provided in paragraph (MM)(4) of OAC rule 3745-21-09 (see Section A.I.2.e), the permittee shall submit quarterly deviation (excursion) reports that identify all periods of time during which the REECO I was not in service when the emissions unit was in operation.

6. The quarterly deviation (excursion) reports shall be submitted in accordance with the General Terms and Conditions of this permit.

7. The permittee shall submit semiannual written reports that (a) identify all days during which any visible PE were observed from the REECO I stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible PE. These reports shall be submitted to the Director (the appropriate Ohio EPA District or local air agency) by January 31 and July 31 of each year and shall cover the previous six-month period.

8. The permittee shall submit semiannual written reports that (a) identify all days during which any visible PE were observed from the from the primary dust collector, 600-DC-1 stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible PE. These reports shall be submitted to the Director (the appropriate Ohio EPA District or local air agency) by January 31 and July 31 of each year and shall cover the previous six-month period.

9. The permittee shall submit semiannual written reports that (a) identify all days during which any visible fugitive emissions were observed from the egress points of the buildings serving this emissions unit where powdered raw materials are transferred into process equipment and (b) describe any corrective actions taken to eliminate the visible fugitive emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District or local air agency) by

January 31 and July 31 of each year and shall cover the previous six-month period.

V. Testing Requirements

1. Compliance with the emission limitations in Section A.I of these terms and conditions shall be determined in accordance with the following methods:

1.a Emission Limitation:
VOC emissions shall not exceed 80.0 tons per year as a rolling, twelve-month summation.

Applicable Compliance Method:
The permittee shall calculate the monthly VOC emissions from the paint manufacturing operations as follows:

Controlled monthly emissions = "on line" hours/month of the thermal incinerator recorded in Section A.III.7 X 6.9 pounds VOC/hour* X 1 ton/2000 pounds

Uncontrolled monthly emissions = "off line" hours/month of the thermal incinerator recorded in Section A.III.7 X 61.8 pounds VOC/hour* X 1 ton/2000 pounds

Total monthly actual emissions = Controlled monthly emissions + Uncontrolled monthly emissions

The permittee shall calculate the rolling, twelve-month VOC emissions as the sum of the VOC emissions from the current calendar month and the previous 11 calendar months.

* These emission factors are based upon emission testing conducted in May, 2003 which demonstrated an average inlet VOC emission rate of 61.8 pounds/hour and an average outlet VOC emission rate of 6.9 pounds/hour. The permittee shall use the emission factors from the most recent emissions test that demonstrated the emissions unit was in compliance for purposes of this calculation.

1.b Emission Limitations:
Particulate emissions (PE) (stack and fugitive combined) shall not exceed 1.4 pounds per hour and 6.0 tons per year as a rolling, twelve-month summation.

Applicable Compliance Method:
The PE limitations were established as follows:

Actual, worst case annual PE rate (stack and fugitive combined) = (Maximum annual pigment usage) X (0.01 pound PE/pound pigment*) X (1-0.99**) X (1 ton/2000 pounds) + (Maximum annual pigment usage) X (0.01 pound PE/pound pigment*) X (1- 0.995***) X (1 ton/2000 pounds) = tons PE/year

Where:
Maximum annual pigment usage = 80,000,000 pounds/year

*The emission factor in USEPA's Compilation of Air Pollutant Emission Factors, AP-42, Fifth Edition, Section 6.4, Table 6.4-1, Uncontrolled Emission Factors for Paint and Varnish Manufacturing, (5/83) for PE is 20 pounds PE per ton pigment or 1% loss (equivalent to 1 pound PE per 100 pounds pigment or 0.01 pound PE/pound pigment).
**estimated control efficiency of the PE control device(s), expressed as a fraction
***estimated PE capture efficiency of the PE control device(s), expressed as a fraction

Using the above equation, the PE rate (stack and fugitive combined) = 6.0 tons PE per year.

Therefore, the permittee may assume an emission rate from this emissions unit of 6.0 tons PE per year as a rolling, twelve-month summation.

The lbs PE/hr emission limitation was established as follows: (6.0 tons PE per year) X (2000 pounds/ton) X (1 year/8760 hours) = 1.4 pounds per hour

1.c Emission Limitation:
Visible PE from the REECO I stack shall not exceed 5% opacity, as a 6-minute average.

Applicable Compliance Method:
If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

1.d Emission Limitation:
Visible PE from the primary dust collector (600-DC-1 baghouse) stack shall not exceed 5% opacity, as a 6-minute average.

Applicable Compliance Method:
If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

1.e Emission Limitation:
Visible fugitive PE shall not exceed 5% opacity, as a 3-minute average.

Applicable Compliance Method:
If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(3).

1.f Emission testing shall be conducted within six months after issuance of this permit in order to establish up-to-date VOC emission factors for calculating the monthly VOC emissions from the paint manufacturing operations as specified in Section A.V.1.a and to demonstrate compliance with the minimum control efficiency limitation, the maximum outlet VOC concentration, or the minimum incineration temperature of one thousand five hundred degrees Fahrenheit.

The following test methods shall be employed: Methods 1-4 and 18, 25, or 25A as appropriate, of 40 CFR 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

Concurrent visible emissions observations at the REECO I stack shall be conducted during the emission testing in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

Concurrent visible emissions observations at the primary dust collector (600-DC-1 baghouse) stack shall be conducted during the emission testing in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

Concurrent visible fugitive emissions observations at the building egress points of the buildings serving this emissions unit where powdered raw materials are transferred into process equipment shall be conducted during the emission testing in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(3).

The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and

information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. 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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P201 - paint manufacturing operations (see Table 3: Paint Manufacturing Operations Emissions Units), controlled by a REECO (Regenerative Environmental Equipment Company) regenerative thermal incinerator (REECO I), a stand alone primary dust collector (600-DC-1 baghouse) and three dust collectors: 9-DC-1 baghouse, 19-DC-1 baghouse, and 21-DC-1 baghouse. located upstream of the REECO I thermal incinerator		

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Record keeping Requirements

1. Air Toxic Policy Clarifying Language

The permit to install for this emissions unit (P201) was evaluated based on the actual materials (typically coatings and cleanup materials) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

a. Pollutant: Xylene

TLV (ug/m^3): 434,233

Maximum Hourly Emission Rate (pounds/hour): 50.0

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m^3): 77.2

MAGLC (ug/m^3): 10,339

b. Pollutant: N-butyl Acetate

TLV (ug/m^3): 712,638

Maximum Hourly Emission Rate (pounds/hour): 50.0

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m^3): 77.2

MAGLC (ug/m^3): 16,968

c. Pollutant: Methyl ethyl ketone

TLV (ug/m^3): 589,851

Maximum Hourly Emission Rate (pounds/hour): 50.0

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m^3): 77.2

MAGLC (ug/m^3): 14,044

d. Pollutant: Di-isobutyl ketone

TLV (ug/m^3): 145,440

Maximum Hourly Emission Rate (pounds/hour): 50.0

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m^3): 77.2

MAGLC (ug/m^3): 3,463

e. Pollutant: Ethanol

TLV (ug/m^3): 1,884,254

Maximum Hourly Emission Rate (pounds/hour): 50.0

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m^3): 77.2

MAGLC (ug/m^3): 44,863

f. Pollutant: Methyl isobutyl ketone

TLV (ug/m^3): 204,826

Maximum Hourly Emission Rate (pounds/hour): 50.0

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m^3): 77.2

MAGLC (ug/m^3): 4,877

2. Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not

be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

a. changes in the composition of the materials used (typically for coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;

b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and

c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

3. If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"

a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);

b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and

c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. 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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P202 - dedicated waterbased paint production equipment as defined in OAC rule 3745-21-09(MM)(4) (see Table 4: Dedicated Waterbased Paint Production Equipment)	OAC rule 3745-31-05(A)(3)	Volatile organic compounds (VOC) emissions shall not exceed 5.0 tons per year as a rolling, twelve-month summation. The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(MM)(4).
	OAC rule 3745-21-09(MM)(4)	See Section A.I.2.a below.

2. Additional Terms and Conditions

2.a The requirements of paragraphs (MM)(2) and (MM)(3) of OAC rule 3745-21-09(MM) shall not apply to any specific piece of equipment included within the paint manufacturing operations or the paint laboratory operations during the processing or use of a waterbased paint material in said equipment, provided the following three conditions are met:

i. the equipment is dedicated solely to the production of waterbased paint materials;

ii. the VOC content of each waterbased paint material is less than or equal to 12.0 percent VOC by weight as determined under paragraph (B) of OAC rule 3745-21-10; and

iii. any VOC emissions from the processing or use of the waterbased paint materials

that are not vented to the control systems specified in paragraphs (MM)(2) and (MM)(3) of OAC rule 3745-21-09(MM) are included (accounted for) in a permit

to install issued by the Director after August 22, 1990 pursuant to OAC Chapter 3745-31. These permits to install are identified in Table A: List of Permits of Install Issued to PPG Industries Ohio, Inc., Cleveland, Ohio.

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. For any specific piece of equipment included within the paint manufacturing operations or the paint laboratory operations, for which the owner or operator claims an exemption from the requirements of paragraphs (MM)(2) and (MM)(3) of OAC rule 3745-21-09(MM), pursuant to paragraph (MM)(4) of OAC rule 3745-21-09(MM), the permittee shall keep daily records of the following information:

   a. the periods of time during which there is no production activity or laboratory activity; and

   b. the VOC content of the waterbased paint material (in per cent VOC by weight), and if applicable, the application number for the permit to install which authorizes the use of the waterbased paint materials.

2. The permittee shall maintain records of the monthly and the rolling, twelve-month VOC emissions from this emissions unit, in tons.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that include the following information:

   a. An identification of each day during which the VOC content of the waterbased paint material (in percent VOC by weight) for any specific piece of equipment included within the paint manufacturing operations or the paint laboratory operations, for which the owner or operator claims an exemption from the requirements of paragraphs (MM)(2) and (MM)(3) of OAC rule 3745-21-09(MM), exceeded 12.0 percent and the actual VOC content of the waterbased paint material for each such day.

   b. An identification of each month during which the VOC emissions exceeded the limitation in Section A.I.1.

2. The deviation (excursion) reports shall be submitted in accordance with the General Terms and Conditions of this permit.

V. Testing Requirements

1. Compliance with the emission limitations in Section A.I of these terms and conditions shall be determined in accordance with the following methods:

1.a Emission Limitation:
VOC emissions shall not exceed 5.0 tons per year as a rolling, twelve-month summation.

Applicable Compliance Method:
The VOC emissions from the dedicated waterbased paint production equipment shall be determined using the most recent version of USEPA's TANKS Program and the information contained in the following table.

Dimensions and Content Information for Emissions Unit P202: Process Tanks - for VOC Emission Calculation Purposes During Paint Production						
Company ID	Nominal Capacity, gallons	Diameter of tank or equivalent, feet	Height of tank, feet	Color of tank	Molecular weight of content of tank	Vapor pressure of content of tank, psia
22-T-48	6,000	10	10	Indoor	100	0.4
22-T-49	4,200	10	7.2	Indoor	100	0.4
22-T-50	4,000	10	6.8	Indoor	100	0.4
22-T-51	5,000	10	8.5	Indoor	100	0.4
22-T-52	5,000	10	8.5	Indoor	100	0.4
22-T-53	5,000	10	8.5	Indoor	100	0.4
22-T-54	5,000	10	8.5	Indoor	100	0.4
22-T-55	5,000	10	8.5	Indoor	100	0.4
22-T-56	20,000	12	24	Indoor	100	0.4
22-T-57	20,000	12	24	Indoor	100	0.4
22-T-63	20,000	12	24	Indoor	100	0.4
22-T-67	6,000	10	10	Indoor	100	0.4
22-T-69	6,000	10	10	Indoor	100	0.4
22-T-71	5,000	10	8.5	Indoor	100	0.4
22-T-72	5,000	10	8.5	Indoor	100	0.4
22-T-73	15,000	11.5	19	Indoor	100	0.4
22-T-74	15,000	11.5	19	Indoor	100	0.4

Dimensions and Content Information for Emissions Unit P202: Process Tanks - for VOC Emission Calculation Purposes During Process Tank Cleaning						
Company ID	Nominal Capacity, gallons	Diameter of tank or equivalent, feet	Height of tank, feet	Color of tank	Molecular weight of content of tank	Vapor pressure of content of tank, psia
22-T-48	6,000	10	10	Indoor	72	2.1
22-T-49	4,200	10	7.2	Indoor	72	2.1
22-T-50	4,000	10	6.8	Indoor	72	2.1
22-T-51	5,000	10	8.5	Indoor	72	2.1
22-T-52	5,000	10	8.5	Indoor	72	2.1
22-T-53	5,000	10	8.5	Indoor	72	2.1
22-T-54	5,000	10	8.5	Indoor	72	2.1
22-T-55	5,000	10	8.5	Indoor	72	2.1
22-T-56	20,000	12	24	Indoor	72	2.1
22-T-57	20,000	12	24	Indoor	72	2.1
22-T-63	20,000	12	24	Indoor	72	2.1
22-T-67	6,000	10	10	Indoor	72	2.1
22-T-69	6,000	10	10	Indoor	72	2.1
22-T-71	5,000	10	8.5	Indoor	72	2.1
22-T-72	5,000	10	8.5	Indoor	72	2.1
22-T-73	15,000	11.5	19	Indoor	72	2.1
22-T-74	15,000	11.5	19	Indoor	72	2.1

The permittee shall calculate the monthly VOC emissions as the sum of the VOC emissions from the current calendar month and the previous 11 calendar months.

1.b Emission Limitation:
the VOC content of each waterbased paint material is less than or equal to 12.0 percent VOC by weight

Applicable Compliance Method:
Compliance shall be demonstrated based on the record keeping in Section A.III.1.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. 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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P202 - dedicated waterbased paint production equipment as defined in OAC rule 3745-21-09(MM)(4) (see Table 4: Dedicated Waterbased Paint Production Equipment)		

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Record keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

1. Modeling to demonstrate compliance with the Ohio EPA's "Air Toxic Policy" was not necessary because the emissions unit's maximum annual emissions for each toxic compound will be less than

1.0 ton. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any pollutant that has a listed TLV to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.

List of Tables

Table A: List of Permits of Install Issued to PPG Industries Ohio, Inc., Cleveland, Ohio Page 67 of 115
Table 1: Non-Insignificant Emissions Units Page 70 of 115
Table 2: Paint Laboratory Operations Emissions Units Page 73 of 115
Table 3: Paint Manufacturing Operations Emissions Units Page 82 of 115
Table 4: Dedicated Waterbased Paint Production Equipment Page 90 of 115
Table 5: Insignificant Emissions Units Page 91 of 115

PPG Industries Inc **Facility ID: 1318000101**
PTI Application: 13-03881
Issued: To be entered upon final issuance

Table A: List of Permits of Install Issued to PPG Industries Ohio, Inc., Cleveland, Ohio						
#	PTI #	Fee paid, $	Issued / effective dates of permit to install	Former OEPA EU#s (emissions unit description)	No. of OEPA EU#	items in EU#
1	13-0153	$130	Issued 6/13/1975; Effective on 7/28/1975	B006 & B007 (two steam boilers)	2	2
2	13-0462	$1,680	Issued 10/18/1978; Effective on 12/2/1978	P002, P019, P029, P030, P031, K005 (formerly R011), T031, T032, T033, T034, T035, T036, T037, T038, T039, T040, T041, T042. (18 processes and 12 storage tanks)	18	30
3	13-0903	$200	Issued & effective on 5/10/1982	P017 (4 cleaning booths and 1 condenser)	1	4
4	13-0936	$400	Issued & effective 4/13/1982	K001 & R010 (2 paint booths and 1 drying oven)	2	3
5	13-0975	$1,000	Issued & effective on 1/7/1983	P024, P025, P026, P027 & P028 (5 grinding mills)	5	5
6	13-0982	$400	Issued & effective 11/20/1984	P022 & P023 (1 tank cleaning booth and 1 mix tank)	2	2
7	13-1023	$200	Issued & effective 11/7/1984	P021 (1 tote cleaning rack)	1	1
8	13-1112	$1,185	Issued & Issued & effective on 7/7/1983	P043, P044, P045 & P046 (14 thinning & tinting tanks, 2 mills, 3 attritors & 5 agitators)	4	24

9	13-1113	$5,315	Issued & effective on 11/3/1983	K002, K003, K005, P034, P035, P038, P040, P041, P042, T043, T044, T045, T046, T047, T048, T049, T050, T051, T052, T053, T054, T119, T123, T124, T125 & T126 (6 paint booths, 14 drying ovens, 9 mixers, 19 agitators, 11 batch tanks, 1 washer tank, 17 storage tanks, 3 mills, 1 weigh scale and 1 coating line.)	26	82
10	13-1132	$200	Issued & effective on 1/31/1984	K007 (5 paint booths and 4 drying ovens)	1	9
11	13-1219	$400	Issued & effective on 5/23/1984	P047 & P048 (2 agitators & 2 drying ovens)	2	4
12	13-1244	$400	Issued & effective on 8/15/1984	P050 & P051 (6 pump cleaning stations and 1 lab oven)	2	7
13	13-1245	$595	Issued & effective on 3/24/1984	B008, P052, P053 (1 steam boiler and 2 drying ovens)	3	3
14	13-1262	$200	Issued & effective on 7/25/1984	P054 (4 tote cleaning stations)	1	4
15	13-1267	$400	Issued & effective on 8/15/1984	P055 & P056 (3 lab ovens)	2	3
16	13-1268	$200	Issued & effective on 6/20/1984	K008 (36 paint booths & 41 drying ovens in Building 46A)	1	77
17	13-1280	$600	Issued & effective on 8/15/1984	P057, P059, P083 (2 mills and 3 lab ovens)	3	5
18	13-1337	$400	Issued & effective on 12/5/1984	P060 & P061	2	2
19	13-1341 mod	$585	Issued & effective on 2/13/1985	P002 (2 storage tanks)	1	2
20	13-1419	$200	Issued & effective on 7/3/1985	P066 (1 curing oven)	1	1

21	13-1422	$200	Issued & effective on 8/14/1985	P067 (1 agitator)	1	1
22	13-1451	$200	Issued & effective on 10/9/1985	P068 (pneumatic collection system)	1	1
23	13-1469	$400	Issued & effective on 12/11/1985	P069 & P070 (6 curing ovens and 1 bag slitter)	2	7
24	13-1486	$200	Issued & effective on 1/8/1986	P071 (2 curing ovens)	1	2
25	13-1502	$200	Issued & effective on 1/15/1986	P072 (1 mill)	1	1
26	13-1539	$200	Issued & effective on 5/14/1986	K009 (1 curing oven)	1	1
27	13-1541	$200	Issued & effective on 5/2/1986	P074 (1 agitator)	1	1
28	13-1579	$200	Issued & effective on 7/23/1986	P075 (1 curing oven)	1	1
29	13-1642 mod	$200	Issued & effective on 5/31/1988	P071 (2 additional curing ovens)	1	1
30	13-1682	$200	Issued & effective on 2/25/1987	P077 (1 attritor mill)	1	1
31	13-1690	$200	Issued & effective on 4/8/1987	K010 (2 paint booths)	1	2
32	13-1702	$200	Issued & effective on 6/24/1987	K011 (7 lab ovens)	1	7
33	13-1745	$200	Issued & effective on 10/7/1987	P082 (1 curing oven)	1	1
34	13-1809	$200	Issued & effective on 3/7/1990	K015 (3 paint booths and 5 lab ovens)	1	8
35	13-1826	$585	Issued & effective on 3/7/1990	P084 & T134 (1 mixer and 1 storage tank)	2	2
36	13-1929	$390	Issued & effective on 3/14/1990	P085 (1 mill)	1	1
37	13-2050	$590	Issued & effective on 3/28/1990	K018 & P087 (4 ovens and 1 mill)	2	5
38	13-2054	$400	Issued & effective on 3/28/1990	K019 & P088 (2 paint booths, 3 ovens and 4 agitators)	2	9
39	13-2064	$50	Issued & effective on 4/18/1990	B009 (steam boiler)	1	1
40	13-2111	$200	Issued & effective on 9/26/1990	P089 (1 mill)	1	1
41	13-2131	$200	Issued & effective on 9/26/1990	K020 (1 paint booth and 2 ovens)	1	3

42	13-2179*	$585	Issued & effective on 5/30/1991	P090 (water borne paint production)	1	1
43	13-2296	$195	Issued & effective on 10/9/1991	T135 (1 storage tank)	1	1
44	13-2429	$195	Issued & effective on 2/26/1992	T136 (1 waste storage tank)	1	1
45	13-2451	$195	Issued & effective on 3/18/1992	T137 (1 waste storage tank)	1	1
46	13-2456	$195	Issued & effective on 3/18/1992	T138 (1 resin storage tank)	1	1
47	13-2472	$390	Issued & effective on 5/13/1992	T139 & T140 (two waste storage tanks)	2	2
48	13-2495 mod*	$780	Issued & effective on 9/23/1992	P003 (16 water borne paint batch tanks)	1	16
49	13-2660	$245	Issued & effective on 6/23/1993	B010 &T141 (1 snow melter and 1 oil storage tank)	2	2
50	13-3194	$800	Issued & effective on 7/9/1997	P134 (2 processes)	1	2
		$23,685			116	354

* The VOC emissions from the processing or use of the waterbased paint materials that are not vented to the control systems specified in paragraphs (MM)(2) and (MM)(3) of OAC rule 3745-21-09(MM) are included (accounted for) in this permit to install issued by the Director after August 22, 1990 pursuant to OAC Chapter 3745-31.

Table 1: Non-Insignificant Emissions Units
The non-insignificant emissions units included in this permit to install (PTI 13-03881) are specified in the following table

	Emissions Unit ID	Emissions Unit Description
1	B007	28 MMBtu/hr distillate oil (#1 and #2 fuel oil, kerosene and diesel fuel, but excluding #4 fuel oil) and natural gas-fired boiler
2	K201	paint laboratory operations (see Table 2: Paint Laboratory Operations Emissions Units), controlled by a water curtain or dry filtration systems located upstream of a REECO (Regenerative Environmental Equipment Company) regenerative thermal incinerator (REECO II)
3	P201	paint manufacturing operations (see Table 3: Paint Manufacturing Operations Emissions Units), controlled by a REECO (Regenerative Environmental Equipment Company) regenerative thermal incinerator (REECO I), a stand alone primary dust collector (600-DC-1 baghouse) and three dust collectors: 9-DC-1 baghouse, 19-DC-1 baghouse, and 21-DC-1 baghouse. located upstream of the REECO I thermal incinerator

4	P202	dedicated waterbased paint production equipment as defined in OAC rule 3745-21-09(MM)(4) (see Table 4: Dedicated Waterbased Paint Production Equipment)

Table 2: Paint Laboratory Operations Emissions Units
As specified in OAC rule 3745-21-09(MM)(1), the paint laboratory operations under OAC rule 3745-21-09(MM)(3) include the following equipment for the processing or use of solvent based or waterbased paint materials: paint spray booths and associated ovens within the paint manufacturing quality control laboratory and the paint research laboratory.

#	Building Location	Equipment Number	Equipment Type
1	004	4-O-01	Lab Oven
2	004	4-O-02	Lab Oven
3	004	4-O-03	Lab Oven
4	004	4-O-05	Lab Oven
5	004	4-O-06	Lab Oven
6	004	4-O-07	Lab Oven
7	004	4-O-09	Lab Oven
8	004	4-O-10	Lab Oven
9	004	4-SB-1	Spraybooth
10	004	4-SB-2	Spraybooth
11	(Reserved)		
12	(Reserved)		
13	(Reserved)		
14	(Reserved)		
15	005	5-O-1	Lab Oven
16	005	5-O-13	Lab Oven
17	005	5-O-14	Lab Oven
18	005	5-O-17	Lab Oven
19	005	5-O-2	Lab Oven
20	005	5-O-3	Lab Oven
21	005	5-O-4	Lab Oven
22	005	5-O-5	Lab Oven

23	005	5-O-6	Lab Oven
24	005	5-O-7	Lab Oven
25	005	5-O-8	Lab Oven
26	005	5-SB-1	Spraybooth
27	005	5-SB-2	Spraybooth
28	005	5-SB-3	Spraybooth
29	005	5-SB-4	Spraybooth
30	005	5-SB-5	Spraybooth
31	005	5-SB-6	Spraybooth
32	006A	6A-O-1	Lab Oven
33	006A	6A-O-2	Lab Oven
34	006A	6A-O-3	Lab Oven
35	006A	6A-O-4	Lab Oven
36	006A	6A-SB-1	Spraybooth
37	006A	6A-SB-2	Spraybooth
38	006A	6A-SB-3	Spraybooth
39	006A	6A-SB-4	Spraybooth
40	006A	6A-SB-5	Spraybooth
41	046	46-0-B01-O-01	Lab Oven
42	046	46-0-B01-O-02	Lab Oven
43	046	46-0-B01-O-03	Lab Oven
44	046	46-0-B01-O-04	Lab Oven
45	046	46-0-B01-SB-01S	Spraybooth
46	046	46-0-B01-SB-02S	Spraybooth
47	046	46-0-B02-O-12	Lab Oven
48	046	46-0-B02-O-13	Lab Oven
49	046	46-0-B02-O-15	Lab Oven
50	046	46-0-B02-O-16	Lab Oven
51	046	46-0-B03-O-10	Lab Oven
52	046	46-0-B04-O-01	Lab Oven
53	046	46-0-B04-O-02	Lab Oven
54	046	46-0-B04-O-03	Lab Oven

55	046	46-0-B04-O-04	Lab Oven
56	046	46-0-B04-SB-01	Spraybooth
57	046	46-0-B04-SB-02	Spraybooth
58	046	46-0-B15-O-10	Lab Oven
59	046	46-0-B15-O-11	Lab Oven
60	046	46-0-B15-O-17	Lab Oven
61	046	46-0-B15-SB-03	Spraybooth
62	046	46-0-B15-SB-08	Spraybooth
63	046	46-0-SB-05	Spraybooth
64	046	46-0-SB-07	Spraybooth
65	046	46-0-SB-09	Spraybooth
66	046	46-0-SB-10	Spraybooth
67	046	46-1-101-O-06	Lab Oven
68	046	46-1-101-O-07	Lab Oven
69	046	46-1-101-O-08	Lab Oven
70	046	46-1-101-SB-06	Spraybooth
71	046	46-1-103-SB-04	Spraybooth
72	046	46-1-103-SB-05	Spraybooth
73	046	46-1-103-SB-07	Spraybooth
74	046	46-1-105-O-01	Lab Oven
75	046	46-1-105-O-03	Lab Oven
76	046	46-1-105-O-04	Lab Oven
77	046	46-1-105-O-05	Lab Oven
78	046	46-1-105-O-09	Lab Oven
79	046	46-1-105-SB-03	Spraybooth
80	046	46-1-108-O-02	Lab Oven
81	046	46-1-108-SB-01	Spraybooth
82	046	46-1-108-SB-02	Spraybooth
83	046	46-206-2-206-O-07	Lab Oven
84	046	46-2-201-O-14	Lab Oven
85	046	46-2-201-O-15	Lab Oven
86	046	46-2-201-O-16	Lab Oven

87	046	46-2-201-SB-09	Spraybooth
88	046	46-2-202-SB-08	Spraybooth
89	046	46-2-203-O-10	Lab Oven
90	046	46-2-203-O-11	Lab Oven
91	046	46-2-203-O-12	Lab Oven
92	046	46-2-203-O-13	Lab Oven
93	046	46-2-203-SB-05	Spraybooth
94	046	46-2-203-SB-06	Spraybooth
95	046	46-2-205-O-08	Lab Oven
96	046	46-2-205-O-09	Lab Oven
97	046	46-2-205-SB-03	Spraybooth
98	046	46-2-207-SB-12	Spraybooth
99	046	46-2-208-O-20	Lab Oven
100	046	46-2-208-O-21	Lab Oven
101	046	46-2-208-O-22	Lab Oven
102	046	46-2-208-SB-13	Spraybooth
103	046	46-2-208-SB-14	Spraybooth
104	046	46-2-210-O-18	Lab Oven
105	046	46-2-210-O-19	Lab Oven
106	046	46-2-210-SB-07	Spraybooth
107	046	46-2-211-O-16	Lab Oven
108	046	46-2-211-O-17	Lab Oven
109	046	46-2-212-O-05	Lab Oven
110	046	46-2-212-SB-11	Spraybooth
111	046	46-2-213-O-04	Lab Oven
112	046	46-2-214-O-03	Lab Oven
113	046	46-2-214-SB-02	Spraybooth
114	046	46-2-215-O-01	Lab Oven
115	046	46-2-215-O-02	Lab Oven
116	046	46-2-215-SB-01	Spraybooth
117	046A	46A-0-B08-B-03	Spraybooth
118	046A	46A-0-B08-O-01	Lab Oven

119	046A	46A-0-B08-O-02	Lab Oven
120	046A	46A-0-B08-O-03	Lab Oven
121	046A	46A-0-B08-SB-01	Spraybooth
122	046A	46A-0-B08-SB-02	Spraybooth
123	046A	46A-0-B08-SB-04	Spraybooth
124	046A	46A-1-118-O-01	Lab Oven
125	046A	46A-1-118-O-02	Lab Oven
126	046A	46A-1-118-O-03	Lab Oven
127	046A	46A-1-118-O-04	Lab Oven
128	046A	46A-1-118-O-05	Lab Oven
129	046A	46A-1-118-O-06	Lab Oven
130	046A	46A-1-118-O-07	Lab Oven
131	046A	46A-1-118-SB-05	Spraybooth
132	046A	46A-1-118-SB-06	Spraybooth
133	046A	46A-1-118-SB-07	Spraybooth
134	046A	46A-1-118-SB-08	Spraybooth
135	046A	46A-1-118-SB-09	Spraybooth
136	046A	46A-1-118-SB-10	Spraybooth
137	046A	46A-1-119-O-08	Lab Oven
138	046A	46A-1-119-O-09	Lab Oven
139	046A	46A-1-119-O-10	Lab Oven
140	046A	46A-1-119-O-11	Lab Oven
141	046A	46A-1-119-SB-01	Spraybooth
142	046A	46A-1-119-SB-02	Spraybooth
143	046A	46A-1-119-SB-03	Spraybooth
144	046A	46A-1-119-SB-04	Spraybooth
145	046A	46A-2-216-O-06	Lab Oven
146	046A	46A-2-216-O-07	Lab Oven
147	046A	46A-2-216-O-08	Lab Oven
148	046A	46A-2-216-O-09	Lab Oven
149	046A	46A-2-216-O-10	Lab Oven
150	046A	46A-2-216-O-11	Lab Oven

151	046A	46A-2-216-O-12	Lab Oven
152	046A	46A-2-216-O-13	Lab Oven
153	046A	46A-2-216-O-14	Lab Oven
154	046A	46A-2-216-O-15	Lab Oven
155	046A	46A-2-216-O-16	Lab Oven
156	046A	46A-2-216-O-5	Lab Oven
157	046A	46A-2-216-SB-05	Spraybooth
158	046A	46A-2-216-SB-06	Spraybooth
159	046A	46A-2-216-SB-07	Spraybooth
160	046A	46A-2-216-SB-08	Spraybooth
161	046A	46A-2-216-SB-09	Spraybooth
162	046A	46A-2-216-SB-10	Spraybooth
163	046A	46A-2-216-SB-11	Spraybooth
164	046A	46A-2-216-SB-12	Spraybooth
165	046A	46A-2-217-O-01	Lab Oven
166	046A	46A-2-217-O-02	Lab Oven
167	046A	46A-2-217-O-03	Lab Oven
168	046A	46A-2-217-SB-03	Spraybooth
169	046A	46A-2-217-SB-04	Spraybooth
170	046A	46A-2-218-O-01	Lab Oven
171	046A	46A-2-218-O-02	Lab Oven
172	046A	46A-2-218-SB-01	Spraybooth
173	046A	46A-2-218-SB-02	Spraybooth
174	046A	46A-3-317-O-01	Lab Oven
175	046A	46A-3-317-O-02	Lab Oven
176	046A	46A-3-317-O-03	Lab Oven
177	046A	46A-3-317-O-04	Lab Oven
178	046A	46A-3-317-O-05	Lab Oven
179	046A	46A-3-317-O-06	Lab Oven
180	046A	46A-3-317-O-07	Lab Oven
181	046A	46A-3-317-O-08	Lab Oven
182	046A	46A-3-317-O-09	Lab Oven

183	046A	46A-3-317-O-10	Lab Oven
184	046A	46A-3-317-SB-05	Spraybooth
185	046A	46A-3-317-SB-06	Spraybooth
186	046A	46A-3-317-SB-07	Spraybooth
187	046A	46A-3-317-SB-08	Spraybooth
188	046A	46A-3-317-SB-09	Spraybooth
189	046A	46A-3-317-SB-10	Spraybooth
190	046A	46A-3-319-SB-01	Spraybooth
191	046A	46A-3-319-SB-02	Spraybooth
192	046A	46A-3-319-SB-03	Spraybooth
193	046A	46A-3-319-SB-04	Spraybooth
194	022D	22D-SB-1	Spraybooth
195	004	4-SB-7	Spraybooth
196	004	4-SB-8	Spraybooth

Table 3: Paint Manufacturing Operations Emissions Units
As specified in OAC rule 3745-21-09(MM)(1), the paint manufacturing operations under OAC rule 3745-21-09(MM)(2) include the following equipment for the processing or use of solvent based or waterbased paint materials: mixing tanks for paint liquids and pigments, grinding mills, paint thinning and tinting tanks, paint filling equipment for shipping containers, cleaning equipment for paint processing equipment, and recovery equipment for the cleaning solvents.

#	Building or Location	Equipment Number	Equipment Type
1	003	3-PM-03	Premier Mill
2	003	3-PM-04	Premier Mill
3	003	3-PM-07	Premier Mill
4	003	3-PM-08	Premier Mill
5	007	7-PM-01	Premier Mill
6	007	7-PM-02	Premier Mill
7	007	7-PM-03	Premier Mill
8	007	7-PM-04	Premier Mill
9	007	7-PM-05	Premier Mill
10	007	7-PM-06	Premier Mill
11	007	7-PM-07	Premier Mill
12	007	7-PM-08	Premier Mill
13	007	7-PM-09	Premier Mill
14	007	7-PM-10	Premier Mill
15	007	7-PM-11	Premier Mill
16	008	8-T-801	Process Tank
17	008	8-T-802	Process Tank
18	008	8-T-803	Process Tank
19	008	8-T-804	Process Tank
20	008	8-T-805	Process Tank
21	008	8-T-806	Process Tank
22	008	8-T-807	Process Tank
23	008	8-T-808	Process Tank
24	008	8-T-809	Process Tank
25	008	8-T-811	Process Tank
26	008	8-T-812	Process Tank

27	008	8-T-813	Process Tank
28	008	8-T-814	Process Tank
29	008	8-T-815	Process Tank
30	008	8-T-816	Process Tank
31	008	8-T-819	Process Tank
32	008	8-T-820	Process Tank
33	008	8-T-821	Process Tank
34	008	8-T-822	Process Tank
35	008	8-T-823	Process Tank
36	008	8-T-824	Process Tank
37	008	8-T-825	Process Tank
38	008	8-T-826	Process Tank
39	008	8-T-827	Process Tank
40	008	8-T-828	Process Tank
41	008	8-T-829	Process Tank
42	008	8-T-830	Process Tank
43	008	8-T-831	Process Tank
44	008	8-T-832	Process Tank
45	009	9-M-2	Mixer
46	009	9-M-3	Mixer
47	009	9-M-4	Mixer
48	009	9-M-5	Mixer
49	009	9-RM-01	Rail Mixer
50	009	9-RM-02	Rail Mixer
51	009	9-RM-03	Rail Mixer
52	009	9-RM-04	Rail Mixer
53	009	9-RM-05	Rail Mixer
54	009	9-RM-06	Rail Mixer
55	009	9-RM-07	Rail Mixer
56	009	9-RM-08	Rail Mixer
57	009	9-RM-09	Rail Mixer
58	009	9-RM-10	Rail Mixer

59	009	9-RM-11	Rail Mixer
60	009	9-RM-12	Rail Mixer
61	009	9-RM-13	Rail Mixer
62	009	9-RM-14	Rail Mixer
63	009	9-RM-15	Rail Mixer
64	009	9-RM-16	Rail Mixer
65	009	9-RM-17	Rail Mixer
66	009	9-RM-18	Rail Mixer
67	009	9-RM-19	Rail Mixer
68	009	9-RM-20	Rail Mixer
69	009	9-RM-21	Rail Mixer
70	009	9-RM-22	Rail Mixer
71	009	9-RM-23	Rail Mixer
72	009	9-M-6	Mixer
73	012	12-CB-1	Cleaning Booth
74	012	12-CB-2	Cleaning Booth
75	012	12-CB-3	Cleaning Booth
76	012	12-CB-4	Cleaning Booth
77	012	12-CB-5	Cleaning Booth
78	012	12-T-1	Process Tank
79	012	12-T-2	Process Tank
80	012	12-T-3	Process Tank
81	015	15-T-2	Process Tank
82	015	15-T-3	Process Tank
83	015	15-T-4	Process Tank
84	015	15-T-5	Process Tank
85	015	15-T-6	Process Tank
86	015	15-TC-1	Tote Rinsing
87	019	19-M-01	Mixer
88	019	19-M-02	Mixer
89	019	19-M-03	Mixer
90	019	19-M-04	Mixer

91	019	19-M-05	Mixer
92	019	19-M-06	Mixer
93	019	19-M-08	Mixer
94	019	19-M-09	Mixer
95	019	19-M-10	Mixer
96	019	19-M-11	Mixer
97	019	19-M-12	Mixer
98	021	21-M-01	Mixer (garage)
99	021	21-PM-01	Premier Mill
100	021	21-PM-02	Premier Mill
101	021	21-PM-03	Premier Mill
102	021	21-PM-04	Premier Mill
103	021	21-PM-05	Premier Mill
104	021	21-PM-06	Premier Mill
105	021	21-SM-01	Sand Mill
106	021	21-T-001	Process Tank
107	021	21-T-002	Process Tank
108	021	21-T-003	Process Tank
109	021	21-T-004	Process Tank
110	021	21-T-005	Process Tank
111	021	21-T-006	Process Tank
112	021	21-T-007	Process Tank
113	021	21-T-008	Process Tank
114	021	21-T-013	Process Tank
115	021	21-T-014	Process Tank
116	021	21-T-017	Process Tank
117	021	21-T-018	Process Tank
118	021	21-T-030	Process Tank
119	021	21-T-031	Process Tank
120	021	21-T-032	Process Tank
121	021	21-T-033	Process Tank
122	021	21-T-034	Process Tank

123	021	21-T-035	Process Tank
124	021	21-T-036	Process Tank
125	021	21-T-037	Process Tank
126	021	21-T-038	Process Tank
127	021	21-T-039	Process Tank
128	021	21-T-040	Process Tank
129	021	21-T-041	Process Tank
130	021	21-T-042	Process Tank
131	021	21-T-043	Process Tank
132	021	21-T-044	Process Tank
133	021	21-T-045	Process Tank
134	021	21-T-046	Process Tank
135	021	21-T-047	Process Tank
136	021	21-T-076	Process Tank
137	021	21-TM-1	Triplex Mill
138	023	3-PM-01	Premier Mill
139	023	3-PM-02	Premier Mill
140	023	8-T-810	Process Tank
141	024	24-PM-1	Premier Mill
142	024	24-T-502	Process Tank
143	024	24-T-506	Process Tank
144	024	24-T-507	Process Tank
145	024	24-T-508	Process Tank
146	024	24-T-513	Process Tank
147	024	24-T-514	Process Tank
148	024	24-T-515	Process Tank
149	024	24-T-516	Process Tank
150	024	24-T-517	Process Tank
151	024	24-T-518	Process Tank
152	024	24-T-519	Process Tank
153	024	24-T-520	Process Tank
154	024	24-T-521	Process Tank

155	024	24-T-522	Process Tank
156	024	24-T-523	Process Tank
157	024	24-T-524	Process Tank
158	024	24-T-525	Process Tank
159	024	24-T-526	Process Tank
160	025	25-DM-1	Drais Mill
161	025	25-PM-1	Premier Mill
162	025	25-PM-2	Premier Mill
163	025	25-PM-3	Premier Mill
164	025	25-PM-4	Premier Mill
165	029	29-T-101	Process Tank
166	029	29-T-102	Process Tank
167	029	29-T-103	Process Tank
168	029	29-T-104	Process Tank
169	029	29-T-105	Process Tank
170	029	29-T-106	Process Tank
171	029	29-T-107	Process Tank
172	029	29-T-108	Process Tank
173	029	29-T-109	Process Tank
174	029	29-T-110	Process Tank
175	029	29-T-111	Process Tank
176	029	29-T-112	Process Tank
177	029	29-T-113	Process Tank
178	029	29-T-114	Process Tank
179	029	29-T-115	Process Tank
180	029	29-T-116	Process Tank
181	029	29-T-117	Process Tank
182	029	29-T-118	Process Tank
183	029	29-T-119	Process Tank
184	029	29-T-120	Process Tank
185	029	29-T-121	Process Tank
186	029	29-T-122	Process Tank

187	029	29-T-123	Process Tank
188	029	29-T-124	Process Tank
189	029	29-T-125	Process Tank
190	029	29-T-126	Process Tank
191	029	29-T-127	Process Tank
192	029	29-T-128	Process Tank
193	029	29-T-129	Process Tank
194	029	29-T-130	Process Tank
195	029	29-T-131	Process Tank
196	029	29-T-132	Process Tank
197	029	29-T-133	Process Tank
198	029	29-T-134	Process Tank
199	029	29-T-135	Process Tank
200	029	29-T-136	Process Tank
201	029	29-T-137	Process Tank
202	029	29-T-138	Process Tank
203	029	29-T-139	Process Tank
204	029	29-T-140	Process Tank
205	047	47-L-1	Thin Film Evaporator
206	047	47-L-2	Thin Film Evaporator
207	047	47-M-1	Mixer
208	047	47-R-1	Thin Film Evaporator
209	047	47-T-1	Process Distillation
220	047	47-T-2	Process Distillation
211	047	47-T-3	Process Distillation
212	047	47-T-4	Process Distillation
213	100	100-PM-01	Premier Mill
214	100	100-PM-02	Premier Mill
215	100	100-PM-03	Premier Mill
216	100	100-PM-04	Premier Mill
217	100	100-PM-05	Premier Mill
218	100	100-PM-06	Premier Mill

219	100	100-PM-07	Premier Mill
220	100	100-RM-01	Rail Mixer
221	100	100-RM-02	Rail Mixer

Table 4: Dedicated Waterbased Paint Production Equipment
As specified in OAC rule 3745-21-09(MM)(1), the paint manufacturing operations under OAC rule 3745-21-09(MM)(2) include the following equipment for the processing or use of solvent based or waterbased paint materials: mixing tanks for paint liquids and pigments, grinding mills, paint thinning and tinting tanks, paint filling equipment for shipping containers, cleaning equipment for paint processing equipment, and recovery equipment for the cleaning solvents.

#	Location	Equipment Number	Equipment Type
1	022	22-T-48	Process Tank
2	022	22-T-49	Process Tank
3	022	22-T-50	Process Tank
4	022	22-T-51	Process Tank
5	022	22-T-52	Process Tank
6	022	22-T-53	Process Tank
7	022	22-T-54	Process Tank
8	022	22-T-55	Process Tank
9	022	22-T-56	Process Tank
10	022	22-T-57	Process Tank
11	022	22-T-63	Process Tank
12	022	22-T-67	Process Tank
13	022	22-T-69	Process Tank
14	022	22-T-71	Process Tank
15	022	22-T-72	Process Tank
16	022	22-T-73	Process Tank
17	022	22-T-74	Process Tank

Table 5: Insignificant Emissions Units
The "Ohio EPA ID" and "Equipment Description" for each emissions unit in this table shall be specified in the listing of insignificant emissions units in Part II, Section B (State Only Enforceable Section) of the facility's Title V permit.

PPG Industries Inc **Facility ID: 1318000101**
PTI Application: 13-03881
Issued: To be entered upon final issuance

#	Building or Location	Equipment Identification	Ohio EPA ID	Equipment Description	Basis for PTI Exemption/ Applicable Requirements	Insignificant (for Title V) per OAC 3745-77-01 (U)(1), (U)(2), or (U)(3)
1	001	1-B-1	Z001	boiler - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
2	002	2-H-1	Z002	boiler - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
3	003	3-DM-1	Z003	dispense machine	OAC 3745-15-05(B)	OAC 3745-77-011(U)(1)
4	003	3-SS-1	Z004	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
5	003	3-SS-2	Z005	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
6	003	3-SS-3	Z006	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
7	004	4-FH-1	Z007	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
8	004	4-FH-2	Z008	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
9	004	4-FH-3	Z009	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
10	004	4-FH-4	Z010	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
11	004	4-FH-5	Z011	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
12	004	4-FH-6	Z012	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
13	004	4-SS-1	Z013	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
14	004	4-SS-2	Z014	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
15	004	4-SS-3	Z015	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
16	004	4-SS-4	Z016	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
17	005	5-FH-1	Z017	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
18	005	5-FH-2	Z018	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)

19	005	5-SS-1	Z019	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
20	006A	6A-FH-1	Z020	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
21	006A	6A-FH-2	Z021	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
22	006A	6A-SS-1	Z022	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
23	006A	6A-SS-2	Z023	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
24	006A	6A-SS-3	Z024	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
25	006A	6A-SS-4	Z025	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
26	006A	6A-SS-5	Z026	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
27	007	7-DS-1	Z027	draw scale	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
28	007	7-SS-1	Z028	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
29	008	8-DS-1	Z029	draw scale	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
30	008	8-DS-2	Z030	draw scale	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
31	009	9-SS-1	Z031	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
32	009A	9A-H-1	Z032	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
33	009B	9B-H-2	Z033	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
34	012	12-SS-1	Z034	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
35	012	12-SS-2	Z035	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
36	013	13-DA-01	Z036	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
37	014	14-DA-01	Z037	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
38	015	15-C-1	Z038	centrifuge no emissions	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)

39	015	15-DS-1	Z039	draw scale	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
40	015	15-T-1	Z040	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
41	015A	15A-FH-1	Z041	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
42	015A	15A-FH-2	Z042	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
43	015A	15A-LB-1	Z043	lab bench	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
44	015A	15A-SS-1	Z044	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
45	016	16-T-201	Z045	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
46	016	16-T-202	Z046	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
47	016	16-T-203	Z047	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
48	016	16-T-204	Z048	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
49	016	16-T-205	Z049	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
50	016	16-T-206	Z050	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
51	016	16-T-207	Z051	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
52	016	16-T-208	Z052	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
53	016	16-T-209	Z053	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
54	016	16-T-210	Z054	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
55	016	16-T-211	Z055	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
56	016	16-T-212	Z056	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
57	016	16-T-213	Z057	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
58	016	16-T-214	Z058	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
59	016	16-T-215	Z059	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
60	016	16-T-216	Z060	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
61	016	16-T-217	Z061	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
62	016	16-T-218	Z062	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
63	016	16-T-219	Z063	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
64	016	16-T-220	Z064	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
65	016	16-T-221	Z065	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
66	016	16-T-222	Z066	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
67	016	16-T-223	Z067	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
68	016	16-T-224	Z068	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
69	020	20-T-1	Z069	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)

70	021	21-DS-1	Z070	draw scale	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
71	021	21-SS-1	Z071	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
72	022	22-T-00	Z072	water storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
73	022	22-T-58	Z073	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
74	022	22-T-59	Z074	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
75	022	22-T-60	Z075	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
76	022	22-T-61	Z076	Process tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
77	022	22-T-62	Z077	Process tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
78	022	22-T-64	Z078	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
79	022	22-T-65	Z079	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
80	022	22-T-66	Z080	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
81	022	22-T-68	Z081	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
82	022	22-T-70	Z082	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
83	022A	22A-O-1	Z083	lab oven	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
84	022A	22A-O-2	Z084	lab oven	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
85	022A	22A-O-3	Z085	lab oven	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
86	022A	22A-O-4	Z086	lab oven	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
87	022A	22A-O-5	Z087	lab oven	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
88	022B	22B-T-1	Z088	storage tank	OAC 3745-31-03(A)(1)(l)(iv)	OAC 3745-77-01(U)(1)
89	022B	22B-T-2	Z089	storage tank	OAC 3745-31-03(A)(1)(l)(iv)	OAC 3745-77-01(U)(1)
90	022B	22B-T-3	Z090	storage tank	OAC 3745-31-03(A)(1)(l)(i)	OAC 3745-77-01(U)(1)
91	022B	22B-T-4	Z091	storage tank	OAC 3745-31-03(A)(1)(l)(i)	OAC 3745-77-01(U)(1)
92	022D	22D-FH-1	Z092	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
93	022D	22D-FH-2	Z093	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
94	022D	22D-FH-3	Z094	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
95	022D	22D-FH-4	Z095	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
96	022D	22D-FH-5	Z096	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
97	022D	22D-FH-6	Z097	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
98	022D	22D-FH-7	Z098	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
99	022D	22D-O-1	Z099	lab oven	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
100	022D	22D-O-2	Z100	lab oven	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)

101	022D	22D-O-3	Z101	lab oven	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
102	022D	22D-O-4	Z102	lab oven	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
103	022D	22D-O-5	Z103	lab oven	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
104	022D	22D-O-6	Z104	lab oven	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
105	022D	22D-O-7	Z105	lab oven	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
106	022D	22D-O-8	Z106	lab oven	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
107	022D	22D-SS-1	Z107	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
108	022D	22D-SS-2	Z108	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
109	022D	22D-SS-3	Z109	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
110	022D	22D-T-1	Z110	storage tank	OAC 3745-31-03(A)(1)(l)(iv)	OAC 3745-77-01(U)(1)
111	023	23-DM-1	Z111	dispense machine	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
112	023	23-LB-1	Z112	lab bench	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
113	023	23-SS-1	Z113	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
114	023	23-T-01	Z114	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
115	023	23-T-02	Z115	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
116	023	23-T-03	Z116	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
117	023	23-T-04	Z117	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
118	023	23-T-05	Z118	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
119	023	23-T-06	Z119	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
120	023	23-T-07	Z120	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
121	023	23-T-08	Z121	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
122	023	23-T-09	Z122	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
123	023	23-T-10	Z123	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
124	023	23-T-101	Z124	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
125	023	23-T-102	Z125	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
126	023	23-T-103	Z126	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
127	023	23-T-104	Z127	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)

128	023	23-T-11	Z128	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
129	023	23-T-12	Z129	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
130	023	23-T-13	Z130	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
131	023	23-T-14	Z131	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
132	023	23-T-15	Z132	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
133	023	23-T-16	Z133	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
134	023	23-T-17	Z134	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
135	023	23-T-18	Z135	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
136	023	23-T-20	Z136	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
137	023	23-T-21	Z137	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
138	023	23-T-22	Z138	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
139	023	23-T-23	Z139	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
140	023	23-T-24	Z140	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
141	023	23-T-25	Z141	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
142	023	23-T-26	Z142	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
143	023	23-T-27	Z143	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
144	023	23-T-28	Z144	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
145	024	24-DS-1	Z145	draw scale	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
146	024	24-T-001	Z146	emergency overflow tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
147	024	24-T-002	Z147	emergency overflow tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
148	024	24-T-501	Z148	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
149	024	24-T-503	Z149	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
150	024	24-T-504	Z150	storage tank	OAC 3745-31-03(A)(1)(l)(i)	OAC 3745-77-01 (U)(1)
151	024	24-T-505	Z151	storage tank	OAC 3745-31-03(A)(1)(l)(i)	OAC 3745-77-01 (U)(1)
152	024	24-T-509	Z152	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
153	024	24-T-510	Z153	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
154	024	24-T-511	Z154	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
155	024	24-T-512	Z155	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
156	024	24-T-527	Z156	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
157	024B	24B-CB-1	Z157	tankwagon rinsing	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
158	025	25-SS-1	Z158	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)

159	026	26-T-321	Z159	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
160	026	26-T-322	Z160	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
161	026	26-T-323	Z161	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
162	026	26-T-324	Z162	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
163	026	26-T-325	Z163	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
164	026	26-T-326	Z164	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
165	026	26-T-327	Z165	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
166	026	26-T-328	Z166	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
167	026	26-T-329	Z167	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
168	026	26-T-330	Z168	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
169	028	28-T-401	Z169	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
170	028	28-T-402	Z170	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
171	028	28-T-403	Z171	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
172	028	28-T-404	Z172	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
173	028	28-T-405	Z173	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
174	028	28-T-406	Z174	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
175	028	28-T-407	Z175	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
176	028	28-T-408	Z176	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
177	028	28-T-409	Z177	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
178	028	28-T-410	Z178	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
179	028	28-T-411	Z179	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
180	028	28-T-412	Z180	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
181	028	28-T-413	Z181	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
182	028	28-T-414	Z182	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
183	028	28-T-415	Z183	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
184	028	28-T-416	Z184	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
185	028	28-T-417	Z185	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
186	028	28-T-418	Z186	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
187	028	28-T-419	Z187	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
188	028	28-T-420	Z188	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
189	028	28-T-421	Z189	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
190	028	28-T-422	Z190	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)

191	028	28-T-423	Z191	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
192	028	28-T-424	Z192	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
193	028	28-T-425	Z193	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
194	028	28-T-426	Z194	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
195	028	28-T-427	Z195	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
196	028	28-T-428	Z196	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
197	028	28-T-429	Z197	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
198	028	28-T-430	Z198	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
199	028	28-T-431	Z199	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
200	028	28-T-432	Z200	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
201	028	28-T-433	Z201	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
202	028	28-T-434	Z202	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
203	028	28-T-435	Z203	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
204	028	28-T-436	Z204	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
205	028	28-T-437	Z205	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
206	029	29-DS-1	Z206	draw scale	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
207	029	29-DS-2	Z207	draw scale	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
208	029	29-DS-3	Z208	draw scale	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
209	029	29-SS-1	Z209	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
220	030	30-HW-1	Z220	hot water tank - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01 (U)(3)
211	030	30-O-1	Z211	lab oven	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
212	030	30-O-2	Z212	lab oven	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
213	030	30-O-3	Z213	lab oven	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
214	030	30-O-4	Z214	lab oven	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
215	030	30-O-5	Z215	lab oven	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
216	030	30-O-6	Z216	lab oven	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
217	032	32-T-101	Z217	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
218	032	32-T-102	Z218	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
219	032	32-T-103	Z219	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
220	032	32-T-104	Z220	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)

221	032	32-T-105	Z221	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
222	032	32-T-106	Z222	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
223	032	32-T-107	Z223	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
224	032	32-T-108	Z224	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
225	032	32-T-109	Z225	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
226	032	32-T-110	Z226	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
227	032	32-T-111	Z227	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
228	032	32-T-112	Z228	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
229	037	37-T-301	Z229	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
230	037	37-T-302	Z230	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
231	037	37-T-303	Z231	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
232	037	37-T-304	Z232	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
233	037	37-T-306	Z233	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
234	038	38-T-307	Z234	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
235	038	38-T-308	Z235	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
236	038	38-T-309	Z236	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
237	038	38-T-310	Z237	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
238	038	38-T-311	Z238	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
239	038	38-T-312	Z239	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
240	039	39-T-313	Z240	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
241	039	39-T-314	Z241	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
242	039	39-T-315	Z242	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
243	039	39-T-316	Z243	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
244	039	39-T-317	Z244	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
245	039	39-T-318	Z245	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01 (U)(3)
246	041	41-CO-1	Z246	waste compactor	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
247	041	41-SH-1	Z247	waste shredder	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
248	041	41-T-1	Z248	storage tank - less than 10,000-gallons; storing material less than 1.5 psia vapor pressure	OAC 3745-31-03(A)(1)(l)	OAC 3745-77-01(U)(1)

249	041	41-T-2	Z249	storage tank - less than 10,000-gallons; storing material less than 1.5 psia vapor pressure	OAC 3745-31-03(A)(1)(l)	OAC 3745-77-01(U)(1)
250	041	41-T-3	Z250	storage tank - less than 10,000-gallons; storing material less than 1.5 psia vapor pressure	OAC 3745-31-03(A)(1)(l)	OAC 3745-77-01(U)(1)
251	041	41-T-4	Z251	storage tank	OAC 3745-31-03(A)(1)(l)	OAC 3745-77-01(U)(1)
252	041	41-T-5	Z252	storage tank	OAC 3745-31-03(A)(1)(l)	OAC 3745-77-01(U)(1)
253	041	41-TC-1	Z253	trash compactor	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
254	044	44-HW-1	Z254	hot water tank - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01 (U)(3)
255	044	44-HW-2	Z255	hot water tank - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01 (U)(3)
256	046	46-0-B02-FH-04	Z256	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
257	046	46-0-B04-FH-01	Z257	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
258	046	46-0-B15-FH-03	Z258	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
259	046	46-0-B17-FH-02	Z259	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
260	046	46-1-101-SS-11	Z260	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
261	046	46-1-102-SS-10	Z261	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
262	046	46-1-103-SS-09	Z262	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
263	046	46-1-105-SS-07	Z263	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
264	046	46-1-105-SS-08	Z264	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)

265	046	46-1-107-SS-05	Z265	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
266	046	46-1-107-SS-06	Z266	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
267	046	46-1-108-SS-01	Z267	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
268	046	46-1-108-SS-04	Z268	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
269	046	46-1-109-SS-02	Z269	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
270	046	46-1-109-SS-03	Z270	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
271	046	46-1-118A-FH-03	Z271	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
272	046	46-1-118A-FH-04	Z272	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
273	046	46-1-118A-FH-04A	Z273	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
274	046	46-1-118A-FH-05	Z274	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
275	046	46-1-118A-FH-05A	Z275	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
276	046	46-1-118A-FH-05B	Z276	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
277	046	46-1-118B-FH-06	Z277	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
278	046	46-1-118B-FH-06A	Z278	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
279	046	46-1-118B-FH-06B	Z279	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
280	046	46-1-118C-FH-07	Z280	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)

281	046	46-1-118C-FH-08	Z281	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
282	046	46-1-118C-FH-08A	Z282	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
283	046	46-1-118C-FH-08B	Z283	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
284	046	46-1-119-FH-02	Z284	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
285	046	46-2-108-FH-18	Z285	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
286	046	46-2-201-FH-12	Z286	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
287	046	46-2-201-SS-12	Z287	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
288	046	46-2-202-H-13	Z288	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
289	046	46-2-202-SS-13	Z289	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
290	046	46-2-203-FH-14	Z290	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
291	046	46-2-203-FH-15	Z291	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
292	046	46-2-203-FH-26A	Z292	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
293	046	46-2-203-SS-14	Z293	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
294	046	46-2-203-SS-15	Z294	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
295	046	46-2-205-FH-16	Z295	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
296	046	46-2-205-FH-17	Z296	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)

297	046	46-2-205-F H-26	Z297	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
298	046	46-2-205-S B-P-1	Z298	enclosed spraybooth; water clean	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
299	046	46-2-205-SS-16	Z299	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
300	046	46-2-205-SS-17	Z300	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
301	046	46-2-208-SS-18	Z301	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
302	046	46-2-210-F H-24	Z302	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
303	046	46-2-210-SS-24	Z303	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
304	046	46-2-211-F H-23	Z304	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
305	046	46-2-211-SS-23	Z305	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
306	046	46-2-212-F H-22	Z306	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
307	046	46-2-212-SS-22	Z307	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
308	046	46-2-213-F H-21	Z308	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
309	046	46-2-213-SS-21	Z309	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
310	046	46-2-214-F H-19A	Z310	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
311	046	46-2-214-F H-20	Z311	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
312	046	46-2-214-SS-20	Z312	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)

313	046	46-2-215-F H-19	Z313	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
314	046	46-2-215-SS-19	Z314	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
315	046	46-3-317-F H-23	Z315	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
316	046	46-3-317-F H-24	Z316	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
317	046	46-3-317-F H-25	Z317	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
318	046	46-3-317-F H-25A	Z318	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
319	046	46-3-317-F H-25B	Z319	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
320	046	46-3-319-F H-19	Z320	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
321	046	46-3-319-F H-20	Z321	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
322	046	46-3-319-F H-21	Z322	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
323	046	46-3-319-F H-22	Z323	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
324	046A	46A-0-B08-FH-01	Z324	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
325	046A	46A-1-101-FH-11	Z325	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
326	046A	46A-1-102-FH-10	Z326	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
327	046A	46A-1-103-FH-09	Z327	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
328	046A	46A-1-105-FH-07	Z328	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)

329	046A	46A-1-105-FH-08	Z329	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
330	046A	46A-1-107-FH-05	Z330	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
331	046A	46A-1-107-FH-06	Z331	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
332	046A	46A-1-108-FH-04	Z332	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
333	046A	46A-1-118A-SS-03	Z333	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
334	046A	46A-1-118A-SS-04	Z334	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
335	046A	46A-1-118A-SS-05	Z335	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
336	046A	46A-1-118B-SS-06	Z336	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
337	046A	46A-1-118B-SS-07	Z337	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
338	046A	46A-1-118C-SS-08	Z338	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
339	046A	46A-2-216A-FH-11	Z339	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
340	046A	46A-2-216A-FH-12	Z340	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
341	046A	46A-2-216A-SS-11	Z341	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
342	046A	46A-2-216A-SS-12	Z342	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
343	046A	46A-2-216B-FH-13	Z343	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
344	046A	46A-2-216B-FH-14	Z344	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)

345	046A	46A-2-216B-FH-15	Z345	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
346	046A	46A-2-216B-SS-13	Z346	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
347	046A	46A-2-216B-SS-14	Z347	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
348	046A	46A-2-216B-SS-15	Z348	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
349	046A	46A-2-216C-FH-16	Z349	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
350	046A	46A-2-216C-FH-17	Z350	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
351	046A	46A-2-216C-FH-18	Z351	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
352	046A	46A-2-216C-SS-16	Z352	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
353	046A	46A-2-216C-SS-17	Z353	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
354	046A	46A-2-217-FH-10	Z354	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
355	046A	46A-2-218-FH-09	Z355	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
356	046A	46A-3-317-SS-23	Z356	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
357	046A	46A-3-317-SS-24	Z357	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
358	046A	46A-3-317-SS-25	Z358	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
359	046A	46A-3-319-SS-19	Z359	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
360	046A	46A-3-319-SS-20	Z360	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)

361	046A	46A-3-319-SS-21	Z361	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
362	046A	46A-3-319-SS-22	Z362	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
363	047	47-SS-1	Z363	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
364	047	47-T-5	Z364	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
365	050	50-B-1	Z365	boiler - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
366	050	50-P-1	Z366	fire water pump - less than 10MMBtu/hr, operated less than 500hours/yr	OAC 3745-31-03(A)(1)(a) & OAC 3745-31-03(nn)	OAC 3745-77-01(U)(1)
367	050	50-T-1	Z367	storage tank - less than 700-gallons	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
368	050	50-T-2	Z368	storage tank - less than 700-gallons	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
369	100	100-DM-1	Z369	dispense machine	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
370	100	100-LB-1	Z370	lab bench	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
371	100	100-SS-1	Z371	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
372	200	200-H-1	Z372	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
373	200	200-H-2	Z373	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
374	200	200-H-3	Z374	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
375	200	200-H-4	Z375	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
376	200	200-H-5	Z376	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)

377	200	200-H-6	Z377	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
378	200	200-H-7	Z378	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
379	200	200-H-8	Z379	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
380	200	200-H-9	Z380	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
381	205	205-H-1	Z381	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
382	205	205-H-2	Z382	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
383	300	300-H-1	Z383	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
384	300	300-H-2	Z384	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
385	300	300-H-3	Z385	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
386	300	300-H-4	Z386	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
387	300	300-H-5	Z387	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
388	300	300-H-6	Z388	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
389	300	300-H-7	Z389	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
390	300	300-H-8	Z390	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
391	300	300-H-9	Z391	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
392	300	300-SS-1	Z392	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)

393	300	300-SS-2	Z393	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
394	500	500-H-1	Z394	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
395	500	500-H-2	Z395	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
396	600	600-B-1	Z396	boiler - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
397	600	600-H-01	Z397	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
398	600	600-H-02	Z398	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
399	600	600-H-03	Z399	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
400	600	600-H-04	Z400	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
401	600	600-H-05	Z401	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
402	600	600-H-06	Z402	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
403	600	600-H-07	Z403	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
404	600	600-H-08	Z404	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
405	600	600-H-09	Z405	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
406	600	600-H-10	Z406	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
407	600	600-H-11	Z407	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
408	600	600-H-12	Z408	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)

409	600	600-H-13	Z409	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
410	600	600-H-14	Z410	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
411	600	600-LA-1	Z411	liquid preassembly	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
412	600	600-P-1	Z412	fire water pump - less than 10MMBtu/hr, less than 500 hours	OAC 3745-31-03(A)(1)(a) & OAC 3745-31-03(nn)	OAC 3745-77-01(U)(1)
413	600	600-PA-1	Z413	pigment preassembly	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
414	600	600-SS-1	Z414	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
415	600	600-T-1	Z415	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
416	Backup	BACK-B-1	Z416	generator backup - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
417	Fuel Oil	FUEL-T-003	Z417	storage tank - less than 700 gallons	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
418	Fuel Oil	FUEL-T-319	Z418	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
419	Fuel Oil	FUEL-T-320	Z419	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
420	PFV	Flanges 100% VOC	Z420	external flanges	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
421	PFV	Flanges 47% VOC	Z421	external flanges	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
422	PFV	Pumps 100% VOC	Z422	external pumps	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
423	PFV	Pumps 47% VOC	Z423	external pumps	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
424	PFV	Valves 100% VOC	Z424	external valves	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
425	PFV	Valves 47% VOC	Z425	external valves	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)

426	Snow Melter	SNOW-B-1	Z426	snow melter	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
427	Snow Melter	SNOW-T-1	Z427	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
428	Training Trailer	TT-H-1	Z428	boiler - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
429	Training Trailer	TT-H-2	Z429	boiler - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
430		Paint Manu-facturing Operations	Z430	635 light service valves	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
431		Paint Manu-facturing Operations	Z431	840 light liquid service flanges (connectors)	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
432		Paint Manu-facturing Operations	Z432	120 light liquid service pump seals	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
433	18	18-B-4	Z433	boiler - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
434	18	18-B-5	Z434	boiler - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
435	18	18-B-6	Z435	boiler - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
436	18	18-B-7	Z436	boiler - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
437	18	18-B-8	Z437	boiler - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
438	18	18-B-9	Z438	boiler - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)

439	18	18-B-10	Z439	boiler - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)