Ohio Environmental Protection Agency
John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

5/22/2012

Certified Mail

No	TOXIC REVIEW
No	PSD
No	SYNTHETIC MINOR TO AVOID MAJOR NSR
No	CEMS
Yes	MACT/GACT
No	NSPS
No	NESHAPS
No	NETTING
No	MAJOR NON-ATTAINMENT
No	MODELING SUBMITTED
No	MAJOR GHG
No	SYNTHETIC MINOR TO AVOID MAJOR GHG

Cheri Brent
PPG Industries, Inc. - Cleveland
3800 West 143rd Street
Cleveland, OH 44111

RE: FINALAIR POLLUTION PERMIT-TO-INSTALL
Facility ID: 1318000101
Permit Number: P0109176
Permit Type: Administrative Modification
County: Cuyahoga

Dear Permit Holder:

Enclosed please find a final Air Pollution Permit-to-Install (PTI) which will allow you to install or modify the described emissions unit(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions, we urge you to read it carefully.Please complete a survey at www.epa.ohio.gov/dapc/permitsurvey.aspx and give us feedback on your permitting experience. We value your opinion.

The issuance of this PTI is a final action of the Director and may be appealed to the Environmental Review Appeals Commission pursuant to Section 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. The appeal must be filed with the Commission within thirty (30) days after notice of the Director's action. The appeal must be accompanied by a filing fee of $70.00, made payable to “Ohio Treasurer Josh Mandel," which the Commission, in its discretion, may reduce if by affidavit you demonstrate that payment of the full amount of the fee would cause extreme hardship. Notice of the filing of the appeal shall be filed with the Director within three (3) days of filing with the Commission. Ohio EPA requests that a copy of the appeal be served upon the Ohio Attorney General’s Office, Environmental Enforcement Section. 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, OH 43215

The Ohio EPA is encouraging 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 Compliance Assistance and Pollution Prevention at (614) 644-3469. If you have any questions regarding this permit, please contact the Cleveland Division of Air Quality. This permit can be accessed electronically on the Division of Air Pollution Control (DAPC) Web page,www.epa.ohio.gov/dapc by clicking the "Issued Air Pollution Control Permits" link.

Sincerely,

Michael W. Ahern

Michael W. Ahern, Manager
Permit Issuance and Data Management Section, DAPC

Cc: U.S. EPA
CDAQ; Pennsylvania; Canada

Ohio | Environmental Protection Agency

FINAL

Division of Air Pollution Control
Permit-to-Install
for
PPG Industries, Inc. - Cleveland

Facility ID:	1318000101
Permit Number:	P0109176
Permit Type:	Administrative Modification
Issued:	5/22/2012
Effective:	5/22/2012

Ohio Environmental Protection Agency

Division of Air Pollution Control
Permit-to-Install
for
PPG Industries, Inc. - Cleveland

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Authorization

Facility ID: 1318000101
Facility Description: Automotive coatings manufacturer.
Application Number(s): A0043373
Permit Number: P0109176
Permit Description: Administrative modification of PTI 13-03881 to allow for the installation of two automatic paint lines with two ovens and two manual spray booths. The equipments meets the definitions of "Research and Development Activity". These new installations will be added to the paint laboratory operations, emissions unit K201.
Permit Type: Administrative Modification
Permit Fee: $200.00
Issue Date: 5/22/2012
Effective Date: 5/22/2012

This document constitutes issuance to:

PPG Industries, Inc. - Cleveland
3800 West 143rd Street
Cleveland, OH 44111

of a Permit-to-Install for the emissions unit(s) identified on the following page.

Ohio EPA District Office or local air agency responsible for processing and administering your permit:

Cleveland Division of Air Quality
2nd Floor
75 Erieview Plaza
Cleveland, OH 44114
(216)664-2297

The above named entity is hereby granted a Permit-to-Install for the emissions unit(s) listed in this section 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 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

Scott J. Nally
Director

Authorization (continued)

Permit Number: P0109176
Permit Description: Administrative modification of PTI 13-03881 to allow for the installation of two automatic paint lines with two ovens and two manual spray booths. The equipments meets the definitions of "Research and Development Activity". These new installations will be added to the paint laboratory operations, emissions unit K201.

Permits for the following Emissions Unit(s) or groups of Emissions Units are in this document as indicated below:

Emissions Unit ID:	**K201**
Company Equipment ID:	K201
Superseded Permit Number:	13-03881
General Permit Category and Type:	Not Applicable

A. Standard Terms and Conditions

1. Federally Enforceable Standard Terms and Conditions

a) All Standard Terms and Conditions are federally enforceable, with the exception of those listed below which are enforceable under State law only:

(1) Standard Term and Condition A.2.a), Severability Clause

(2) Standard Term and Condition A.3.c) through A. 3.e)General Requirements

(3) Standard Term and Condition A.6.c) and A. 6.d), Compliance Requirements

(4) Standard Term and Condition A.9., Reporting Requirements

(5) Standard Term and Condition A.10., Applicability

(6) Standard Term and Condition A.11.b) through A.11.e), Construction of New Source(s) and Authorization to Install

(7) Standard Term and Condition A.14., Public Disclosure

(8) Standard Term and Condition A.15., Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations

(9) Standard Term and Condition A.16., Fees

(10) Standard Term and Condition A.17., Permit Transfers

2. Severability Clause

a) 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.

b) All terms and conditions designated in parts B and C of this permit are federally enforceable as a practical matter, if they 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 and the State and by citizens (to the extent allowed by section 304 of the Act) under the Act. Terms and conditions in parts B and C of this permit shall not be federally enforceable and shall be enforceable under State law only, only if specifically identified in this permit as such.

3. 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 re-issuance, or modification.

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, 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 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.

4. Monitoring and Related Record Keeping 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:

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

(2) The date(s) analyses were performed.

(3) The company or entity that performed the analyses.

(4) The analytical techniques or methods used.

(5) The results of such analyses.

(6) 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:

(1) Reports of any required monitoring and/or recordkeeping of federally enforceable information shall be submitted to the Cleveland Division of Air Quality.

(2) Quarterly written reports of (i) any deviations from federally enforceable emissionlimitations, operationalrestrictions, andcontroldeviceoperatingparameterlimitations, 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 Cleveland Division of Air Quality. The written reports shall be submitted (i.e., postmarked) quarterly, by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. See A.15. below if no deviations occurred during the quarter.

(3) Written reports, which identify any deviations from the federally enforceable monitoring, recordkeeping, andreportingrequirements contained in this permit shall be submitted (i.e., postmarked) to the Cleveland Division of Air Quality every six months, 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.

(4) This permit is for an emissions unit located at a Title V facility. 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.

d) The permittee shall report actual emissions pursuant to OAC Chapter 3745-78 for the purpose of collecting Air Pollution Control Fees.

5. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction, i.e., upset, of any emissions units or any associated air pollution control system(s) shall be reported to the Cleveland Division of Air Quality 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).

6. Compliance Requirements

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

b) 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.

c) 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:

(1) 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.

(2) 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.

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

(4) 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.

d) The permittee shall submit progress reports to the Cleveland Division of Air Quality 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:

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

(2) 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.

7. Best Available Technology

As specified in OAC Rule 3745-31-05, new sources that must employ Best Available Technology (BAT) shall comply with the Applicable Emission Limitations/Control Measures identified as BAT for each subject emissions unit.

8. 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.

9. 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 Cleveland Division of Air Quality.

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 Cleveland Division of Air Quality. 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 (i.e., postmarked) quarterly, 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.)

10. 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).

11. Construction of New Sources(s) and Authorization to Install

a) This permit does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. This permit does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the application and terms and conditions of this permit. 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 this permit does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Issuance of this permit 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.

b) If applicable, authorization to install any new emissions unit included in this permit shall terminate within eighteen months of the effective date of the permit if the owner or operator has not undertaken a continuing program of installation or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation. 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.

c) The permittee may notify Ohio EPA of any emissions unit that is permanently shut down (i.e., the emissions unit has been physically removed from service or has been altered in such a way that it can no longer operate without a subsequent "modification" or "installation" as defined in OAC Chapter 3745-31) by submitting a certification from the authorized official that identifies the date on which the emissions unit was permanently shut down. Authorization to operate the affected emissions unit shall cease upon the date certified by the authorized official that the emissions unit was permanently shut down. At a minimum, notification of permanent shut down shall be made or confirmed by marking the affected emissions unit(s) as “permanently shut down” in Ohio EPA’s “Air Services” along with the date the emissions unit(s) was permanently removed and/or disabled. Submitting the facility profile update will constitute notifying of the permanent shutdown of the affected emissions unit(s).

d) The provisions of this permit shall cease to be enforceable for each affected emissions unit after the date on which an emissions unit is permanently shut down (i.e., emissions unit has been physically removed from service or has been altered in such a way that it can no longer operate without a subsequent "modification" or "installation" as defined in OAC Chapter 3745-31). All records relating to any permanently shutdown emissions unit, generated while the emissions unit was in operation, must be maintained in accordance with law. All reports required by this permit must be submitted for any period an affected emissions unit operated prior to permanent shut down. At a minimum, the permit requirements must be evaluated as part of the reporting requirements identified in this permit covering the last period the emissions unit operated.

No emissions unit certified by the authorized official as being permanently shut down may resume operation without first applying for and obtaining a permit pursuant to OAC Chapter 3745-31.

e) The permittee shall comply with any residual requirements related to this permit, such as the requirement to submit a deviation report, air fee emission report, or other any reporting required by this permit for the period the operating provisions of this permit were enforceable, or as required by regulation or law. All reports shall be submitted in a form and manner prescribed by the Director. All records relating to this permit must be maintained in accordance with law.

12. Permit-To-Operate Application

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).

13. Construction Compliance Certification

The applicant shall identify the following dates in the online facility profile for each new emissions unit identified in this permit.

a) Completion of initial installation date shall be enteredupon completion of construction and prior to start-up.

b) Commence operation after installation or latest modification date shall be entered within 90 days after commencing operation of the applicable emissions unit.

14. 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.

15. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations

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., postmarked), by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters.

16. 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 any permit-to-install. The permittee shall pay all applicable permit-to-operate fees within thirty days of the issuance of the invoice.

17. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The new owner must update and submit the ownership information via the “Owner/Contact Change” functionality in Air Services once the transfer is legally completed.The change must be submitted through Air Services within thirty days of the ownership transfer date.

18. 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.

19. 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.

B. Facility-Wide Terms and Conditions

1. All the following facility-wide terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only:

   a) None.

2. Applicable Emissions Limitations and/or Control Requirements

   a) 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
1.	OAC rule 3745-31-05(D) PTI 13-03881 originally issued 1/21/2003	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 2.b)(1) below.

2.	40 CFR Part 63, Subpart HHHHH [In accordance with 40 CFR 63.7985 this unit is an existing miscellaneous coating manufacturing facility subject to the emissions limitations/control measures specified in this section.]	See 2.b)(2), c)(1), d)(4) and e)(5).
3.	40 CFR 63.1-16	Table 10 to 40 CFR, Part 63, Subpart HHHHH – Applicability of General Provisions to Subpart HHHHH shows which parts of the General Provisions in 40 CFR 63.1-16 apply.

b) Additional Terms and Conditions

(1) 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 3745-31-05(D) are synthetic minor limitations intended to restrict emission increases to less than the "significant" emission levels specified in OAC rule 3745-31-01 (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.)

(2) The permittee is subject to the following MACT rule: Miscellaneous Coating Manufacturing, 40 CFR Part 63 Subpart HHHHH. The MACT Subpart HHHHH became effective on December 11, 2003. The requirements of this rule have been established in the Title V permit for this facility.

(3) K201 – Paint Laboratory Operation equipment identified in Table 2 that meet the definition of “Research and development activity” per OAC rule 3745-31-01(IIIII) are exempt from the MACT rule: Miscellaneous Coating Manufacturing, 40 CFR Part 63 Subpart HHHHH [reference 63.7985(d)(1)].

c) Operational Restrictions

(1) The permittee shall comply with the applicable operational restrictions and requirements under 40 CFR, Part 63, Subpart HHHHH, including the following sections:

63.8000	General requirements
63.8005	Requirements for process vessels
63.8010	Requirements for storage tanks
63.8015	Requirements for equipment leaks
63.8020	Requirements for wastewater streams

63.8025	Requirements for transfer operations
63.8030	Requirements for heat exchange systems
63.8050	Alternative means of compliance for emissions averaging for stationary process vessels
63.8055	Alternative means of compliance for weight percent HAP limit
63.8095	Applicability of General Provisions to Subpart HHHHH

[Authority for term: OAC rule 3745-77-07(A)(1) and PTI #13-03881]

d) Monitoring and/or Recordkeeping 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.)

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

(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.)

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

(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.)

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

(4) The permittee shall comply with the applicable monitoring and record keeping requirements under 40 CFR, Part 63, Subpart HHHHH, including the following sections:

63.8080	Required record keeping

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

e) 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 2.a).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

(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 2.a).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

(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 2.a).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

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

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

(5) The permittee shall comply with the applicable reporting requirements under 40 CFR, Part 63, Subpart HHHHH, including the following sections:

63.8070	Required notifications
63.8075	Required reports

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

f) Testing Requirements

(1) Compliance with the emission limitations in 2.a) of these terms and conditions shall be determined in accordance with the following methods:

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

<u>Applicable Compliance Method:</u>
The permittee shall calculate the facility-wide VOC emissions, on a monthly basis, as the summation of items i. through iv. below:

i. 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;

ii. for emissions units K201, P201, and P202, monthly VOC emissions shall be calculated as specified in Section C., 1.f), 2.f), and 3.f) of the terms and conditions for K201, P201, and P202;

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

(a) for the fuel burning units such as the Regenerative Thermal Oxidizer (RTO) burners, small boilers, heaters, hot water tanks, fire water pumps and backup generators, the VOC emissions are included in 5.a)(1)a. above;

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

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

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

(e) 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

(f) for the uncontrolled paint spray booths, VOC emissions shall equal the entire organic content of the material sprayed;

(g) 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

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

(a) 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, (7/2008);

(b) 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, (5/1983);

(c) 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, (11/2006);

(d) 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;

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

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

(g) stack test emission data;

(h) material balance calculations; or

(i) 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.

b. 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 i. through iv. below:

i. 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;

ii. for emissions units K201 and P201, the PE rate shall be the annual PE rate, in tons per year, calculated in Sections C.1.f) and C.2.f) of the terms and conditions for K201 and P201 divided by 12 months per year;

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

(a) for the fuel burning units such as the RTO burners, small boilers, heaters, hot water tanks, fire water pumps and backup generators, the PE are included in 2.a)1. above; and

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

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

(a) 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);

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

(c) stack test emission data;

(d) material balance calculations; or

(e) 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.

c. 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 i. through iii. below:

i. 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;

ii. for the fuel burning units such as the RTO burners, small boilers, heaters, hot water tanks, fire water pumps and backup generators, the SO2 emissions are included in 2.a)1. above; and

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

(a) stack test emission data;

(b) material balance calculations; or

(c) ther 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.

d. 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 i. through iii. below:

i. 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;

ii. for the fuel burning units such as the RTO burners, small boilers, heaters, hot water tanks, fire water pumps and backup generators, the NOx emissions are included in 2.a)1. above; and

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

(a) stack test emission data;

(b) material balance calculations; or

(c) 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.

e. 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 i. through iii. below:

i. 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;

ii. for the fuel burning units such as the RTO burners, small boilers, heaters, hot water tanks, fire water pumps and backup generators, the CO emissions are included in 2.a)1. above; and

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

(a) stack test emission data;

(b) material balance calculations; or

(c) 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.

g) Miscellaneous Requirements

(1) This permit 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.

[Authority for term: PTI #13-03881]

(2) 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. The PTI 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. The Title V permit will be modified accordingly to reflect changes made to the permit to install.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

(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) the permit to install will be revised. The Title V permit will be revised accordingly to reflect changes made to the permit to install.

[Authority for term: PTI #13-03881]

(4) The permittee shall submit updated Emissions Unit Tables 2, 3, and 4 to the Cleveland DAQ 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 Cleveland DAQ by February 28 of each year.

The updated Emissions Unit Tables 2, 3, and 4 will be included in each modification of the PTI. 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. The Title V permit will be modified accordingly to reflect changes made to the permit to install.

[Authority for term: PTI #13-03881]

(5) The permittee shall submit an updated Emissions Unit Table 5 (Insignificant Emissions Units) to the Cleveland DAQ 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 Cleveland DAQ by February 28 of each year.

The updated Emissions Unit Table 5 will be included in each modification to the PTI. 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. The Title V permit will be modified accordingly to reflect changes made to the permit to install.

[Authority for term: PTI #13-03881]

(6) The terms and conditions of this Permit to Install 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.

[Authority for term: PTI #13-03881]

C. Emissions Unit Terms and Conditions

1. K201, K201

Operations, Property and/or Equipment Description:

Paint laboratory operation, controlled by a water curtain or dry filtration system located upstream of four rotary concentrator wheels and a regenerative thermal oxidizer (RTO).

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) d)(9), d)(10), and d)(11).

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operations(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from each unit 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
a.	OAC rule 3745-31-05(A)(3) PTI 13-03881 originally issued 1/21/2003	Volatile organic compounds (VOC) emissions shall not exceed 145.0 tons per year as a rolling, twelve-month summation for K201 and P201 combined. 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 concentrator/RTO 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 RTO shall not exceed: 0.07 lb VOC/hr*;

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		0.02 lb PE/hr*; 0.01 lb SO2/hr*; 1.20 lbsNOx/hr*; and 1.01 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).
b.	OAC rule 3745-21-09(MM)(3)	See b)(2)c. and b)(2)d. below.
c.	OAC rule 3745-17-07(A)(1)	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).
d.	OAC rule 3745-17-11(B)	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).
e.	40 CFR Part 63, Subpart HHHHH	The permittee shall comply with the applicable requirements of 40 CFR Part 63, Subpart HHHHH (National Emission Standards for Hazardous Air Pollutants: Miscellaneous Coating Manufacturing) as specified in Section B.

(2) Additional Terms and Conditions

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.

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.

c. Except as otherwise provided in paragraph (MM)(4) of OAC rule 3745-21-09 (See b)(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.

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.

e. K201 – Paint Laboratory Operation equipment identified in Table 2 that meet the definition of “Research and development activity” per OAC rule 3745-31-01(IIIII) are exempt from the MACT rule: Miscellaneous Coating Manufacturing, 40 CFR Part 63 Subpart HHHHH [reference 63.7985(d)(1)].

c) Operational Restrictions

(1) The average combustion temperature within the RTO, 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.

[Authority for term: OAC rule 3745-77-07(A)(1) and PTI #13-03881]

(2) The average temperature of the desorption air stream prior to the rotary concentrator wheels, 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 desorption temperature during the most recent emissions test that demonstrated the emissions unit was in compliance.

[Authority for term: OAC rule 3745-77-07(A)(1) and PTI #13-03881]

(3) 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 concentrator/RTO system. 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.)

[Authority for term: OAC rule 3745-77-07(A)(1) and PTI #13-03881]

(4) The permittee shall burn only natural gas in the burners serving the RTO controlling this emissions unit.

[Authority for term: OAC rule 3745-77-07(A)(1) and PTI #13-03881]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall operate and maintain continuous temperature monitors and recorders which measure and record the combustion temperature within the RTO and desorption temperature prior to the four rotary concentrator wheels 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 for each day:

a. all 3-hour blocks of time during which the average combustion temperature within the RTO, when the emissions unit was in operation, was more than 50 degrees Fahrenheit below the average temperature maintained during the most recent emissions test that demonstrated the emissions unit to be in compliance;

b. all 3-hour blocks of time during which the average temperature of the desorption air stream prior to the four rotary concentrator wheels, when the emissions unit was in operation, was more than 50 degrees Fahrenheit below the average desorption temperature maintained during the most recent emissions test that demonstrated the emissions unit to be in compliance; and

c. a log of the downtime for the capture (collection) system, control device, and monitoring equipment when the associated emissions unit was in operation.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

(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.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

(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.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

(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 concentrator/RTO 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.

If the weekly checks show no visible emissions for 12 consecutive weeks, the required frequency of visible emissions checks may be reduced to monthly (once per month, when the emissions unit is in operation). If a subsequent check indicates visible emissions, the frequency of visible emissions checks shall revert to weekly until such time as there are 12 consecutive weeks of no visible emissions.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

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

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

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

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

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

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

(8) The permittee shall maintain monthly records of the rolling, twelve-month VOC emissions, in tons for K201 and P201 combined.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

(9) Air Toxic Policy Clarifying Language

The permit to install for this emissions unit (K201) was evaluated based on the actual 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 to this emissions unit for each toxic pollutant, using data from the permit to install application, and modeling was performed for the toxic pollutant(s) emitted at over a ton per year using the SCREEN 3.0 model or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration result(s) from the use of the SCREEN 3.0 (or other approved) model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as required in Engineering Guide #70. The following summarizes the results of the modeling for the “worst case” pollutant(s):

a. Pollutant: Xylene
TLV (mg/m3): 434.233
Maximum Hourly Emission Rate (pounds/hour): 33.11
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 61.56
MAGLC (ug/m3): 10,339

b. Pollutant: N-butyl Acetate
TLV (mg/m3): 712.638
Maximum Hourly Emission Rate (pounds/hour): 33.11
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 61.56
MAGLC (ug/m3): 16,968

c. Pollutant: Methyl ethyl ketone
TLV (mg/m3): 589.851
Maximum Hourly Emission Rate (pounds/hour): 33.11
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 61.56
MAGLC (ug/m3): 14,044

d. Pollutant: Di-isobutyl ketone
TLV (mg/m3): 145.440
Maximum Hourly Emission Rate (pounds/hour): 33.11
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 61.56
MAGLC (ug/m3): 3,463

e. Pollutant: Ethanol
TLV (mg/m3): 1,884.254
Maximum Hourly Emission Rate (pounds/hour): 33.11
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 61.56
MAGLC (ug/m3): 44,863

f. Pollutant: Methyl isobutyl ketone
TLV (mg/m3): 204.826
Maximum Hourly Emission Rate (pounds/hour): 33.11
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 61.56
MAGLC (ug/m3): 4,877

g. Pollutant: Methanol
TLV (mg/m3): 262.09
Maximum Hourly Emission Rate (pounds/hour): 33.11
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 61.56
MAGLC (ug/m3): 6,240.24

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13 03881]

(10) 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 or the use of new materials, that would result in the emission of a compound or chemical with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled, as documented in the most current version of the American Conference of Governmental Industrial Hygienists’ (ACGIH’s) handbook entitled "TLVs and BEIs" ("Threshold Limit Values for Chemical Substances and Physical Agents, Biological Exposure Indices");

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.).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

(11) 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 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) meet(s) the definition of a "modification" under other provisions of the rule, 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.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

e) 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 RTO controlling this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

(2) The permittee shall notify the Cleveland DAQ 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 Cleveland DAQ within 30 days after the event occurs.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

(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:

a. the average combustion temperature within the RTO was more than 50 degrees Fahrenheit below the average temperature during the most recent emissions test that demonstrated the emissions unit was in compliance and;

b. the average temperature of the desorption air stream prior to the rotary concentrator wheels was more than 50 degrees Fahrenheit below the average desorption temperature during the most recent emissions test that demonstrated the emissions unit was in compliance.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

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

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

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

[Authority for term: OAC rule 3745-21-09(MM)(4), OAC rule 3745-77-07(C)(1) and PTI #13-03881]

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

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

(7) The permittee shall submit semiannual written reports that (a) identify all days during which any visible PE were observed from the concentrator/RTO stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible PE. These reports shall be submitted to the Cleveland DAQ by January 31 and July 31 of each year and shall cover the previous six-month period.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

f) Testing Requirements

(1) Compliance with the emission limitations in b)(1) of these terms and conditions shall be determined in accordance with the following methods:

a. <u>Emission Limitation:</u>
VOC emissions shall not exceed 145.0 tons per year as a rolling, twelve-month summation for K201 and P201 combined.

<u>Applicable Compliance Method:</u>
The permittee shall calculate the combined monthly VOC emissions from K201 and P201 as follows:

Controlled monthly emissions = “on line” hours/month of the concentrator/RTO system recorded in d)(6) X 7.1 pounds VOC/hour* X 1 ton/2000 pounds

Uncontrolled monthly emissions = "off line" hours/month of the concentrator/RTO system recorded in d)(6) X 78.7 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.

* The emission factors are based upon testing conducted in September 2008 for K201 and P201. The factors are the additive average inlet VOC emission rate of 35.8 pounds/hour for K201 and 42.9 pounds/hour for P201 and the average outlet VOC emission rate of 7.14 pounds/hour for the K201 and P201 exhaust stack. 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.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

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.

If required, the permittee shall demonstrate compliance with applicable emission limitations through emission testing performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-4 and 5.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

c. Emission Limitation:
Visible PE from the concentrator/RTO 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).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

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.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

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:
If required, compliance with the emissions limitation shall be determined in accordance with U.S. EPA Reference Methods 1-4 and 18, 25 or 25A, as applicable, of 40 CFR Part 60, Appendix A.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

(2) Emissions testing shall be done in accordance with the frequency and requirements outlined in the Title V permit.

g) Miscellaneous Requirements

(1) None.

2. P201, P201

Operations, Property and/or Equipment Description:

Paint manufacturing operations, controlled by four rotary concentrator wheels and a regenerative thermal oxidizer (RTO), 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. P201 is located upstream of the four rotary concentrator wheels and a RTO.

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) d)(10), d)(11), d)(12), and d)(13).

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operations(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from each unit 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
a.	OAC rule 3745-31-05(A)(3) PTI 13-03881 originally issued 1/21/2003	Volatile organic compounds (VOC) emissions shall not exceed 145.0 tons per year as a rolling, twelve-month summation for K201 and P201 combined. 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 concentrator RTO 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.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		Visible fugitive PE shall not exceed 5% opacity, as a 3-minute average. Natural gas combustion emissions from the burners serving the RTO shall not exceed: 0.07 lb VOC/hr*; 0.02 lb PE/hr*; 0.01 lb SO2/hr*; 1.20 lbsNOx/hr*; and 1.01 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)(2) and 3745-17-08(B).
b.	OAC rule 3745-21-09(MM)(2)	See b)(2)d. and b)(2)e. below.
c.	OAC rule 3745-17-07(A)(1)	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).
d.	OAC rule 3745-17-11(B)	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).
e.	OAC rule 3745-17-07(B)(1)	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).
f.	OAC rule 3745-17-08(B)	See b)(2)b. below.

g.	40 CFR Part 63, Subpart HHHHH	The permittee shall comply with the applicable requirements of 40 CFR Part 63, Subpart HHHHH (National Emission Standards for Hazardous Air Pollutants: Miscellaneous Coating Manufacturing) as specified in Section B.

(2) Additional Terms and Conditions

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.

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.

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

i. 9-M-1 Mixer, 9-M-6 Mixer, and 9-M-7 Mixer controlled by 9-DC-1 Baghouse which is exhausted to concentrator/RTO system;

ii. 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 concentrator/RTO system;

iii. 21-M-01 Mixer controlled by 21-DC-1 Baghouse which is exhausted to concentrator/RTO system; and

iv. 600-PA-1 Pigment Assembly controlled by a stand alone primary dust collector 600-DC-1 Baghouse.

d. Except as otherwise provided in paragraph (MM)(4) of OAC rule 3745-21-09 (See b)(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.

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 to Install Issued to PPG Industries Ohio, Inc., Cleveland, Ohio.

c) Operational Restrictions

(1) The average combustion temperature within the RTO, 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.

[Authority for term: OAC rule 3745-77-07(A)(1) and PTI #13-03881]

(2) The average temperature of the desorption air stream prior to the rotary concentrator wheels, 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 desorption temperature during the most recent emissions test that demonstrated the emissions unit was in compliance.

[Authority for term: OAC rule 3745-77-07(A)(1) and PTI #13-03881]

(3) 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.

[Authority for term: OAC rule 3745-77-07(A)(1) and PTI #13-03881]

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

[Authority for term: OAC rule 3745-77-07(A)(1) and PTI #13-03881]

(5) The permittee shall burn only natural gas in the burners serving the RTO controlling this emissions unit.

[Authority for term: OAC rule 3745-77-07(A)(1) and PTI #13-03881]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall operate and maintain continuous temperature monitors and recorders which measure and record the combustion temperature within the RTO and desorption temperature prior to the four rotary concentrator wheels 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 for each day:

a. all 3-hour blocks of time during which the average combustion temperature within the RTO, when the emissions unit was in operation, was more than 50 degrees Fahrenheit below the average temperature maintained during the most recent emissions test that demonstrated the emissions unit to be in compliance;

b. all 3-hour blocks of time during which the average temperature of the desorption air stream prior to the four rotary concentrator wheels, when the emissions unit was in operation, was more than 50 degrees Fahrenheit below the average desorption temperature maintained during the most recent emissions test that demonstrated the emissions unit to be in compliance; and

c. a log of the downtime for the capture (collection) system, control device, and monitoring equipment when the associated emissions unit was in operation.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

(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.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

(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.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

(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 concentrator/RTO 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.

If the weekly checks show no visible emissions for 12 consecutive weeks, the required frequency of visible emissions checks may be reduced to monthly (once per month, when the emissions unit is in operation). If a subsequent check indicates visible emissions, the frequency of visible emissions checks shall revert to weekly until such time as there are 12 consecutive weeks of no visible emissions.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

(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.

If the weekly checks show no visible emissions for 12 consecutive weeks, the required frequency of visible emissions checks may be reduced to monthly (once per month, when the emissions unit is in operation). If a subsequent check indicates visible emissions, the frequency of visible emissions checks shall revert to weekly until such time as there are 12 consecutive weeks of no visible emissions.[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

(6) The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible emissions of fugitive dust from the egress points (i.e., building windows, doors, roof monitors, etc.) serving 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.

If the weekly checks show no visible emissions for 12 consecutive weeks, the required frequency of visible emissions checks may be reduced to monthly (once per month, when the emissions unit is in operation). If a subsequent check indicates visible emissions, the frequency of visible emissions checks shall revert to weekly until such time as there are 12 consecutive weeks of no visible emissions. [Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

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

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

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

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

(9) The permittee shall maintain monthly records of the rolling, twelve-month VOC emissions, in tons, for K201 and P201 combined.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

(10) Air Toxic Policy Clarifying Language

The permit to install for this emissions unit (P201) was evaluated based on the actual 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 to this emissions unit for each toxic pollutant, using data from the permit to install application, and modeling was performed for the toxic pollutant(s) emitted at over a ton per year using the SCREEN 3.0 model or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration result(s) from the use of the SCREEN 3.0 (or other approved) model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as required in Engineering Guide #70. The following summarizes the results of the modeling for the “worst case” pollutant(s):

a. Pollutant: Xylene
TLV (mg/m3): 434.233
Maximum Hourly Emission Rate (pounds/hour): 33.11
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 61.56
MAGLC (ug/m3): 10,339

b. Pollutant: N-butyl Acetate
TLV (mg/m3): 712.638
Maximum Hourly Emission Rate (pounds/hour): 33.11
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 61.56
MAGLC (ug/m3): 16,968

c. Pollutant: Methyl ethyl ketone
TLV (mg/m3): 589.851
Maximum Hourly Emission Rate (pounds/hour): 33.11
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 61.56
MAGLC (ug/m3): 14,044

d. Pollutant: Di-isobutyl ketone
TLV (mg/m3): 145.440
Maximum Hourly Emission Rate (pounds/hour): 33.11
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 61.56
MAGLC (ug/m3): 3,463

e. Pollutant: Ethanol
TLV (mg/m3): 1,884.254
Maximum Hourly Emission Rate (pounds/hour): 33.11
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 61.56
MAGLC (ug/m3): 44,863

f. Pollutant: Methyl isobutyl ketone
TLV (mg/m3): 204.826
Maximum Hourly Emission Rate (pounds/hour): 33.11
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 61.56
MAGLC (ug/m3): 4,877

g. Pollutant: Methanol
TLV (mg/m3): 262.09
Maximum Hourly Emission Rate (pounds/hour): 33.11
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 61.56
MAGLC (ug/m3): 6,240.24

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

(11) 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 or the use of new materials, that would result in the emission of a compound or chemical with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled, as documented in the most current version of the American Conference of Governmental Industrial Hygienists’ (ACGIH’s) handbook entitled "TLVs and BEIs" ("Threshold Limit Values for Chemical Substances and Physical Agents, Biological Exposure Indices");

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.).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

(12) 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 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) meet(s) the definition of a "modification" under other provisions of the rule, then the permittee shall obtain a final permit to install prior to the change.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

(13) 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.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

e) 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 RTO controlling this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

(2) The permittee shall notify the Cleveland DAQ 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 Cleveland DAQ within 30 days after the event occurs.

[Authority for term: OAC rule 3745-77-07(C)(1)and PTI #13-03881]

(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:

a. the average combustion temperature within the RTO was more than 50 degrees Fahrenheit below the average temperature during the most recent emissions test that demonstrated the emissions unit was in compliance; and

b. the average temperature of the desorption air stream prior to the rotary concentrator wheels was more than 50 degrees Fahrenheit below the average desorption temperature during the most recent emissions test that demonstrated the emissions unit was in compliance.

[Authority for term: OAC rule 3745-77-07(C)(1)and PTI #13-03881]

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

[Authority for term: OAC rule 3745-77-07(C)(1)and PTI #13-03881]

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

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

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

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

(7) The permittee shall submit semiannual written reports that (a) identify all days during which any visible PE were observed from the concentrator/RTO stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible PE. These reports shall be submitted to the Cleveland DAQ by January 31 and July 31 of each year and shall cover the previous six-month period.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

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

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

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

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

f) Testing Requirements

(1) Compliance with the emission limitations in b)(1) of these terms and conditions shall be determined in accordance with the following methods:

a. <u>Emission Limitation:</u>
VOC emissions shall not exceed 145.0 tons per year as a rolling, twelve-month summation for K201 and P201 combined.

<u>Applicable Compliance Method:</u>
The permittee shall calculate the combined monthly VOC emissions from K201 and P201 as follows:

Controlled monthly emissions = on line hours/month of the concentrator/RTO system recorded in d)(7) X 7.1 pounds VOC/hour* X 1 ton/2000 pounds

Uncontrolled monthly emissions = “off line” hours/month of the concentrator/RTO system recorded in d)(7) X 78.7 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 testing conducted in September 2008 for K201 and P201. The factors are the additive average inlet VOC emission rate of 35.8 pounds/hour for K201 and 42.9 pounds/hour for P201 and the average outlet VOC emission rate of 7.1 pounds/hour for the K201 and P201 exhaust stack. 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.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

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

If required, the permittee shall demonstrate compliance with applicable emission limitations through emission testing performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-4 and 5.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

c. Emission Limitation:
Visible PE from the concentrator/RTO 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).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

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).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

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).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

(2) Emissions testing shall be done in accordance with the frequency and requirements outlined in the Title V permit.

3. P202, P202

Operations, Property and/or Equipment Description:

Dedicated waterbased paint production equipment as defined in OAC rule 3745-21-09(MM)(4).

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) d)(3).

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operations(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from each unit 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
a.	OAC rule 3745-31-05(A)(3) PTI 13-03881 originally issued 1/21/2003	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).
b.	OAC rule 3745-21-09(MM)(4)	See b)(2)a. below.
c.	40 CFR Part 63, Subpart HHHHH	The permittee shall comply with the applicable requirements of 40 CFR Part 63, Subpart HHHHH (National Emission Standards for Hazardous Air Pollutants: Miscellaneous Coating Manufacturing) as specified in Section B.

(2) Additional Terms and Conditions

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.

c) Operational Restrictions

(1) None.

d) 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.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

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

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

(3) 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.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

e) 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 b)(1).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

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

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

f) Testing Requirements

(1) Compliance with the emission limitations in b)(1) of these terms and conditions shall be determined in accordance with the following methods:

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

<u>Applicable Compliance Method:</u>
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	Location 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	Location 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.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

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 d)(1).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI #13-03881]

g) Miscellaneous Requirements

(1) None.

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

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#
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

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#
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

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#
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

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#
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

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#
		$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

Table 1: Non-Insignificant Emissions Units		
	Emissions Unit ID	Emissions Unit Description
1	K201	Paint laboratory operations (see Table 2: Paint Laboratory Operations Emissions Units), controlled by a water curtain or dry filtration systems located upstream of four rotary concentrator wheels and a regenerative thermal oxidizer (RTO)
2	P201	Paint manufacturing operations (see Table 3: Paint Manufacturing Operations Emissions Units), controlled by four rotary concentrator wheels and a RTO , 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. P201 is located upstream of the four rotary concentrator wheels and a RTO
3	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 (K201)

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.

Table 2: Paint Laboratory Operations Emissions Units (K201)			
#	Building or Location	Equipment Number	Equipment Type
1.	4	4-O-01	Lab Oven
2.	4	4-O-03	Lab Oven
3.	4	4-O-04	Lab Oven
4.	4	4-O-05	Lab Oven
5.	4	4-O-06	Lab Oven
6.	4	4-O-07	Lab Oven
7.	4	4-O-08	Lab Oven
8.	4	4-O-09	Lab Oven
9.	4	4-O-10	Lab Oven
10.	4	4-O-11	Lab Oven
11.	4	4-SB-1	Spraybooth
12.	4	4-SB-5	Spraybooth

Table 2: Paint Laboratory Operations Emissions Units (K201)

#	Building or Location	Equipment Number	Equipment Type
13.	4	4-SB-6	Spraybooth
14.	5	5-O-1	Lab Oven
15.	5	5-O-13	Lab Oven
16.	5	5-O-14	Lab Oven
17.	5	5-O-2	Lab Oven
18.	5	5-O-3	Lab Oven
19.	5	5-O-4	Lab Oven
20.	5	5-O-5	Lab Oven
21.	5	5-SB-1	Spraybooth
22.	5	5-SB-2	Spraybooth
23.	5	5-SB-3	Spraybooth
24.	5	5-SB-4	Spraybooth
25.	5	5-SB-5	Spraybooth
26.	6A	6A-O-1	Lab Oven
27.	6A	6A-O-2	Lab Oven

Table 2: Paint Laboratory Operations Emissions Units (K201)			
#	Building or Location	Equipment Number	Equipment Type
28.	6A	6A-O-3	Lab Oven
29.	6A	6A-O-4	Lab Oven
30.	6A	6A-SB-6	Spraybooth
31.	6A	6A-SB-7	Spraybooth
32.	22D	22D-SB-1	Spraybooth
33.	46	46-0-B02-O-12	Lab Oven
34.	46	46-0-B02-O-13	Lab Oven
35.	46	46-0-B02-O-14	Lab Oven
36.	46	46-0-B02-O-16	Lab Oven
37.	46	46-0-B02-SB-07	Spraybooth
38.	46	46-0-B02-SB-09	Spraybooth
39.	46	46-0-B02-SB-10	Spraybooth
40.	46	46-0-B04-O-01	Lab Oven
41.	46	46-0-B04-O-02	Lab Oven
42.	46	46-0-B04-O-17	Lab Oven

Table 2: Paint Laboratory Operations Emissions Units (K201)			
#	Building or Location	Equipment Number	Equipment Type
43.	46	46-0-B04-O-19	Lab Oven
44.	46	46-0-B04-SB-01	Spraybooth
45.	46	46-0-B04-SB-02	Spraybooth
46.	46	46-0-B08-O-2	Lab Oven
47.	46	46-0-B08-O-4	Lab Oven
48.	46	46-0-B15-O-09	Lab Oven
49.	46	46-0-B15-O-10	Lab Oven
50.	46	46-0-B15-O-11	Lab Oven
51.	46	46-0-B15-SB-03	Spraybooth
52.	46	46-0-B15-SB-08	Spraybooth
53.	46	46-0-B17-O-05	Lab Oven
54.	46	46-0-B17-O-06	Lab Oven
55.	46	46-0-B17-O-07	Lab Oven
56.	46	46-0-B17-O-08	Lab Oven
57.	46	46-0-B17-SB-04	Spraybooth

Table 2: Paint Laboratory Operations Emissions Units (K201)			
#	Building or Location	Equipment Number	Equipment Type
58.	46	46-0-B17-SB-06	Spraybooth
59.	46	46-1-101-O-06	Lab Oven
60.	46	46-1-101-O-07	Lab Oven
61.	46	46-1-101-O-08	Lab Oven
62.	46	46-1-101-SB-06	Spraybooth
63.	46	46-1-103-SB-04	Spraybooth
64.	46	46-1-103-SB-05	Spraybooth
65.	46	46-1-105-O-01	Lab Oven
66.	46	46-1-105-O-03	Lab Oven
67.	46	46-1-105-O-04	Lab Oven
68.	46	46-1-105-O-05	Lab Oven
69.	46	46-1-105-O-09	Lab Oven
70.	46	46-1-105-SB-03	Spraybooth
71.	46	46-1-108-O-02	Lab Oven
72.	46	46-1-108-SB-01	Spraybooth

Table 2: Paint Laboratory Operations Emissions Units (K201)			
#	Building or Location	Equipment Number	Equipment Type
73.	46	46-1-108-SB-02	Spraybooth
74.	46	46-206-2-206-O-07	Lab Oven
75.	46	46-2-201-O-14	Lab Oven
76.	46	46-2-201-O-15	Lab Oven
77.	46	46-2-201-O-16	Lab Oven
78.	46	46-2-201-SB-09	Spraybooth
79.	46	46-2-202-SB-08	Spraybooth
80.	46	46-2-203-O-10	Lab Oven
81.	46	46-2-203-O-11	Lab Oven
82.	46	46-2-203-O-12	Lab Oven
83.	46	46-2-203-O-13	Lab Oven
84.	46	46-2-203-SB-05	Spraybooth
85.	46	46-2-203-SB-06	Spraybooth
86.	46	46-2-205-O-08	Lab Oven
87.	46	46-2-205-O-09	Lab Oven

Table 2: Paint Laboratory Operations Emissions Units (K201)

#	Building or Location	Equipment Number	Equipment Type
88.	46	46-2-208-O-20	Lab Oven
89.	46	46-2-208-O-21	Lab Oven
90.	46	46-2-208-O-22	Lab Oven
91.	46	46-2-208-SB-13	Spraybooth
92.	46	46-2-208-SB-14	Spraybooth
93.	46	46-2-210-O-18	Lab Oven
94.	46	46-2-210-O-19	Lab Oven
95.	46	46-2-210-SB-07	Spraybooth
96.	46	46-2-211-O-06	Lab Oven
97.	46	46-2-211-O-17	Lab Oven
98.	46	46-2-212-O-05	Lab Oven
99.	46	46-2-212-SB-11	Spraybooth
100.	46	46-2-213-O-04	Lab Oven
101.	46	46-2-214-O-03	Lab Oven
102.	46	46-2-214-SB-02	Spraybooth

Table 2: Paint Laboratory Operations Emissions Units (K201)

#	Building or Location	Equipment Number	Equipment Type
103.	46	46-2-215-O-01	Lab Oven
104.	46	46-2-215-O-02	Lab Oven
105.	46	46-2-215-SB-01	Spraybooth
106.	46A	46A-0-B4-01	Lab Oven
107.	46A	46A-0-B4-02	Lab Oven
108.	46A	46A-0-B4-03	IsoTemp Oven
109.	46A	46A-0-B08-O-05	Lab Oven
110.	46A	46A-0-B08-O-09	Lab Oven
111.	46A	46A-0-B08-O-11	Lab Oven
112.	46A	46A-0-B08-O-12	Lab Oven
113.	46A	46A-0-B08-SB-01	Spraybooth
114.	46A	46A-0-B08-SB-02	Spraybooth
115.	46A	46A-0-B08-SB-03	Spraybooth
116.	46A	46A-0-B08-SB-04	Spraybooth
117.	46A	46A-1-118-O-01	Lab Oven

Table 2: Paint Laboratory Operations Emissions Units (K201)

#	Building or Location	Equipment Number	Equipment Type
118.	46A	46A-1-118-O-05	Lab Oven
119.	46A	46A-1-118-O-06	Lab Oven
120.	46A	46A-1-118-O-07	Lab Oven
121.	46A	46A-1-118-SB-07	Spraybooth
122.	46A	46A-1-118-SB-08	Spraybooth
123.	46A	46A-1-118-SB-09	Spraybooth
124.	46A	46A-1-118-SB-10	Spraybooth
125.	46A	46A-1-119-O-08	Lab Oven
126.	46A	46A-1-119-O-09	Lab Oven
127.	46A	46A-1-119-O-10	Lab Oven
128.	46A	46A-1-119-O-11	Lab Oven
129.	46A	46A-1-119-SB-01	Spraybooth
130.	46A	46A-1-119-SB-02	Spraybooth
131.	46A	46A-1-119-SB-03	Spraybooth
132.	46A	46A-1-119-SB-04	Spraybooth

Table 2: Paint Laboratory Operations Emissions Units (K201)			
#	Building or Location	Equipment Number	Equipment Type
133.	46A	46A-2-216-O-06	Lab Oven
134.	46A	46A-2-216-O-07	Lab Oven
135.	46A	46A-2-216-O-08	Lab Oven
136.	46A	46A-2-216-O-09	Lab Oven
137.	46A	46A-2-216-O-10	Lab Oven
138.	46A	46A-2-216-O-11	Lab Oven
139.	46A	46A-2-216-O-12	Lab Oven
140.	46A	46A-2-216-O-13	Lab Oven
141.	46A	46A-2-216-O-14	Lab Oven
142.	46A	46A-2-216-O-15	Lab Oven
143.	46A	46A-2-216-O-16	Lab Oven
144.	46A	46A-2-216-SB-06	Spraybooth
145.	46A	46A-2-216-SB-07	Spraybooth
146.	46A	46A-2-216-SB-08	Spraybooth
147.	46A	46A-2-216-SB-09	Spraybooth

Table 2: Paint Laboratory Operations Emissions Units (K201)			
#	Building or Location	Equipment Number	Equipment Type
148.	46A	46A-2-216-SB-10	Spraybooth
149.	46A	46A-2-216-SB-11	Spraybooth
150.	46A	46A-2-216-SB-13	Spraybooth
151.	46A	46A-2-216-SB-14	Spraybooth
152.	46A	46A-2-216-SL-1	Spray line with two integral electric ovens
153.	46A	46A-2-216-SL-2	Spray line with two integral electric ovens
154.	46A	46A-2-217-O-01	Lab Oven
155.	46A	46A-2-217-O-02	Lab Oven
156.	46A	46A-2-217-SB-03	Spraybooth
157.	46A	46A-2-217-SB-04	Spraybooth
158.	46A	46A-2-218-O-02	Lab Oven
159.	46A	46A-2-218-O-03	Lab Oven
160.	46A	46A-2-218-SB-01	Spraybooth
161.	46A	46A-2-218-SB-02	Spraybooth
162.	46A	46A-3-317-O-02	Lab Oven

Table 2: Paint Laboratory Operations Emissions Units (K201)			
#	Building or Location	Equipment Number	Equipment Type
163.	46A	46A-3-317-O-03	Lab Oven
164.	46A	46A-3-317-O-04	Lab Oven
165.	46A	46A-3-317-O-05	Lab Oven
166.	46A	46A-3-317-SB-06	Spraybooth
167.	46A	46A-3-317-SB-07	Spraybooth
168.	46A	46A-3-317-SB-08	Spraybooth
169.	46A	46A-3-317-SB-09	Spraybooth
170.	46A	46A-3-319-O-08	Lab Oven
171.	46A	46A-3-319-O-09	Lab Oven
172.	46A	46A-3-319-O-10	Lab Oven
173.	46A	46A-3-319-SB-01	Spraybooth
174.	46A	46A-3-319-SB-02	Spraybooth
175.	46A	46A-3-319-SB-03	Spraybooth
176.	46A	46A-3-319-SB-04	Spraybooth

Table 3: Paint Manufacturing Operations Emissions Units (P201)

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.

Table 3: Paint Manufacturing Operations Emissions Units (P201)

#	Building or Location	Equipment Number	Equipment Type
1.	7	7-S45-01	Premier Mill
2.	7	7-S45-02	Premier Mill
3.	7	7-S45-03	Premier Mill
4.	7	7-S45-04	Premier Mill
5.	7	7-S45-05	Premier Mill
6.	7	7-S90-01	Premier Mill
7.	7	7-S90-02	Premier Mill
8.	7	7-D90-03	Premier Mill
9.	7	7-D90-02	Premier Mill
10.	7	7-S15-03	Premier Mill
11.	7	7-S15-04	Premier Mill
12.	8	8-T-801	Process Tank
13.	8	8-T-802	Process Tank

Table 3: Paint Manufacturing Operations Emissions Units (P201)			
#	Building or Location	Equipment Number	Equipment Type
14.	8	8-T-803	Process Tank
15.	8	8-T-804	Process Tank
16.	8	8-T-805	Process Tank
17.	8	8-T-806	Process Tank
18.	8	8-T-807	Process Tank
19.	8	8-T-808	Process Tank
20.	8	8-T-809	Process Tank
21.	8	8-T-810	Process Tank
22.	8	8-T-811	Process Tank
23.	8	8-T-812	Process Tank
24.	8	8-T-813	Process Tank
25.	8	8-T-814	Process Tank
26.	8	8-T-815	Process Tank
27.	8	8-T-816	Process Tank
28.	8	8-T-819	Process Tank

Table 3: Paint Manufacturing Operations Emissions Units (P201)

#	Building or Location	Equipment Number	Equipment Type
29.	8	8-T-820	Process Tank
30.	8	8-T-821	Process Tank
31.	8	8-T-822	Process Tank
32.	8	8-T-823	Process Tank
33.	8	8-T-824	Process Tank
34.	8	8-T-825	Process Tank
35.	8	8-T-826	Process Tank
36.	8	8-T-827	Process Tank
37.	8	8-T-828	Process Tank
38.	8	8-T-829	Process Tank
39.	8	8-T-830	Process Tank
40.	8	8-T-831	Process Tank
41.	8	8-T-832	Process Tank
42.	8	9-A-1	Mixer
43.	9	9-A-6	Mixer

Table 3: Paint Manufacturing Operations Emissions Units (P201)

#	Building or Location	Equipment Number	Equipment Type
44.	8	9-A-7	Lift/Agitator
45.	8	9-A-8	Mixer
46.	8	9-A-9	Lift/Agitator
47.	9	9-RM-1A	Rail Mixer
48.	9	9-RM-1B	Rail Mixer
49.	9	9-RM-1C	Rail Mixer
50.	9	9-RM-1D	Rail Mixer
51.	9	9-RM-1E	Rail Mixer
52.	9	9-RM-1F	Rail Mixer
53.	9	9-RM-1G	Rail Mixer
54.	9	9-RM-1H	Rail Mixer
55.	9	9-RM-1I	Rail Mixer
56.	9	9-RM-1J	Rail Mixer
57.	9	9-RM-1K	Rail Mixer
58.	9	9-RM-1L	Rail Mixer

Table 3: Paint Manufacturing Operations Emissions Units (P201)

#	Building or Location	Equipment Number	Equipment Type
59.	9	9-RM-2F	Rail Mixer
60.	9	9-RM-2E	Rail Mixer
61.	9	9-RM-2D	Rail Mixer
62.	9	9-RM-2C	Rail Mixer
63.	9	9-RM-1	Portable Rail Mixer
64.	9	9-RM-2	Portable Rail Mixer
65.	12	12-CB-1	Cleaning Booth
66.	12	12-CB-2	Cleaning Booth
67.	12	12-CB-3	Cleaning Booth
68.	12	12-CB-4	Cleaning Booth
69.	12	12-CB-5	Cleaning Booth
70.	12	12-T-1	Process Tank
71.	12	12-T-2	Process Tank
72.	12	12-T-3	Process Tank
73.	15	15-M-1	Mixer(Hanging)

Table 3: Paint Manufacturing Operations Emissions Units (P201)			
#	Building or Location	Equipment Number	Equipment Type
74.	15	15-T-152	Process Tank
75.	15	15-T-153	Process Tank
76.	15	15-T-154	Process Tank
77.	15	15-T-155	Process Tank
78.	15	15-T-156	Process Tank
79.	15	15-T-157	Process Tank
80.	19	19-M-01	Mixer
81.	19	19-M-02	Mixer
82.	19	19-M-03	Mixer
83.	19	19-M-04	Mixer
84.	19	19-M-05	Mixer
85.	19	19-M-06	Mixer
86.	19	19-M-08	Mixer
87.	19	19-M-09	Mixer
88.	19	19-M-10	Mixer

Table 3: Paint Manufacturing Operations Emissions Units (P201)

#	Building or Location	Equipment Number	Equipment Type
89.	19	19-M-11	Mixer
90.	19	19-M-12	Mixer
91.	21	21-M-01	Mixer (garage)
92.	21	21-D200-2	Premier Mill
93.	21	21-S45-9	Premier Mill
94.	21	21-D120-1	Premier Mill
95.	21	21-T90-1	Triplex Premier Mill
96.	21	21-S90-4	Premier Mill
97.	21	21-D200-1	Premier Mill
98.	21	21-S1.5-1	Premier Mill
99.	21	21-T-001	Process Tank
100.	21	21-T-002	Process Tank
101.	21	21-T-003	Process Tank
102.	21	21-T-004	Process Tank
103.	21	21-T-005	Process Tank

Table 3: Paint Manufacturing Operations Emissions Units (P201)

#	Building or Location	Equipment Number	Equipment Type
104.	21	21-T-006	Process Tank
105.	21	21-T-007	Process Tank
106.	21	21-T-008	Process Tank
107.	21	21-T-013	Process Tank
108.	21	21-T-014	Process Tank
109.	21	21-T-030	Process Tank
110.	21	21-T-031	Process Tank
111.	21	21-T-032	Process Tank
112.	21	21-T-033	Process Tank
113.	21	21-T-034	Process Tank
114.	21	21-T-035	Process Tank
115.	21	21-T-036	Process Tank
116.	21	21-T-037	Process Tank
117.	21	21-T-038	Process Tank
118.	21	21-T-039	Process Tank

Table 3: Paint Manufacturing Operations Emissions Units (P201)

#	Building or Location	Equipment Number	Equipment Type
119.	21	21-T-040	Process Tank
120.	21	21-T-041	Process Tank
121.	21	21-T-042	Process Tank
122.	21	21-T-043	Process Tank
123.	21	21-T-044	Process Tank
124.	21	21-T-045	Process Tank
125.	21	21-T-046	Process Tank
126.	21	21-T-047	Process Tank
127.	21	21-T-076	Process Tank
128.	24	24-A-6	Mixer
129.	24	24-S90-3	Premier Mill
130.	24	24-T-502	Process Tank
131.	24	24-T-506	Process Tank
132.	24	24-T-507	Process Tank
133.	24	24-T-508	Process Tank

Table 3: Paint Manufacturing Operations Emissions Units (P201)

#	Building or Location	Equipment Number	Equipment Type
134.	24	24-T-513	Process Tank
135.	24	24-T-514	Process Tank
136.	24	24-T-515	Process Tank
137.	24	24-T-516	Process Tank
138.	24	24-T-517	Process Tank
139.	24	24-T-518	Process Tank
140.	24	24-T-519	Process Tank
141.	24	24-T-520	Process Tank
142.	24	24-T-521	Process Tank
143.	24	24-T-522	Process Tank
144.	24	24-T-523	Process Tank
145.	24	24-T-524	Process Tank
146.	24	24-T-525	Process Tank
147.	24	24-T-526	Process Tank
148.	25	25-15L-01	Premier Mill (PKAF)

Table 3: Paint Manufacturing Operations Emissions Units (P201)

#	Building or Location	Equipment Number	Equipment Type
149.	25	25-D90-1	Premier Mill
150.	25	25-S60-1	Premier Mill
151.	25	25-D200-3	Premier Mill
152.	25	25-S45-8	Premier Mill
153.	25	25-RM-1	Portable Rail Mixer
154.	29	29-T-101	Process Tank
155.	29	29-T-102	Process Tank
156.	29	29-T-103	Process Tank
157.	29	29-T-104	Process Tank
158.	29	29-T-105	Process Tank
159.	29	29-T-106	Process Tank
160.	29	29-T-107	Process Tank
161.	29	29-T-108	Process Tank
162.	29	29-T-109	Process Tank
163.	29	29-T-110	Process Tank

Table 3: Paint Manufacturing Operations Emissions Units (P201)

#	Building or Location	Equipment Number	Equipment Type
164.	29	29-T-111	Process Tank
165.	29	29-T-112	Process Tank
166.	29	29-T-113	Process Tank
167.	29	29-T-114	Process Tank
168.	29	29-T-115	Process Tank
169.	29	29-T-116	Process Tank
170.	29	29-T-117	Process Tank
171.	29	29-T-118	Process Tank
172.	29	29-T-119	Process Tank
173.	29	29-T-120	Process Tank
174.	29	29-T-121	Process Tank
175.	29	29-T-122	Process Tank
176.	29	29-T-123	Process Tank
177.	29	29-T-124	Process Tank
178.	29	29-T-125	Process Tank

Table 3: Paint Manufacturing Operations Emissions Units (P201)

#	Building or Location	Equipment Number	Equipment Type
179.	29	29-T-126	Process Tank
180.	29	29-T-127	Process Tank
181.	29	29-T-128	Process Tank
182.	29	29-T-129	Process Tank
183.	29	29-T-130	Process Tank
184.	29	29-T-131	Process Tank
185.	29	29-T-132	Process Tank
186.	29	29-T-133	Process Tank
187.	29	29-T-134	Process Tank
188.	29	29-T-135	Process Tank
189.	29	29-T-138	Process Tank
190.	29	29-T-139	Process Tank
191.	29	29-T-140	Process Tank
192.	47	47-L-1	Thin Film Evaporator
193.	47	47-L-2	Thin Film Evaporator

Table 3: Paint Manufacturing Operations Emissions Units (P201)

#	Building or Location	Equipment Number	Equipment Type
194.	47	47-M-1	Mixer
195.	47	47-R-1	Thin Film Evaporator
196.	47	47-T-1	Process Distillation
197.	47	47-T-2	Process Distillation
198.	47	47-T-3	Process Distillation
199.	47	47-T-4	Process Distillation
200.	47	47-T-5	Process Distillation
201.	100	100-S15-7	Premier Mill
202.	100	100-D90-4	Premier Mill
203.	100	100-D90-5	Premier Mill
204.	100	100-S45-6	Premier Mill
205.	100	100-S45-7	Premier Mill
206.	100	100-S45-10	Single Premier Mill
207.	100	100-RM-01	Rail Mixer
208.	100	100-RM-02	Rail Mixer

Table 3: Paint Manufacturing Operations Emissions Units (P201)

#	Building or Location	Equipment Number	Equipment Type
209.	100	100-RM-03	Rail Mixer
210.	100	100-RM-04	Rail Mixer
211.	100	100-RM-05	Rail Mixer
212.	100	100-RM-06	Rail Mixer
213.	100	100-RM-07	Rail Mixer
214.	100	100-RM-08	Rail Mixer
215.	101	101-D90-6	Dual Premier Mill
216.	101	101-D90-7	Dual Premier Mill
217.	101	101-S200-1	Single Premier Mill
218.	101	101-S50-1	Singe Premier Mill
219.	101	101-S50-2	Single Premier Mill
220.	101	101-T-700	Process Tank
221.	101	101-T-701	Process Tank
222.	101	101-T-710	Paste Tank
223.	101	101-T-711	Paste Tank

Table 3: Paint Manufacturing Operations Emissions Units (P201)			
#	Building or Location	Equipment Number	Equipment Type
224.	101	101-T-712	Paste Tank
225.	101	101-T-713	Paste Tank
226.	101	101-T-714	Paste Tank
227.	101	101-T-730	Blend Tank
228.	101	101-T-731	Blend Tank
229.	101	101-T-732	Blend Tank
230.	101	101-T-733	Blend Tank
231.	101	101-T-734	Blend Tank
232.	101	101-T-735	Blend Tank
233.	101	101-T-736	Blend Tank
234.	101	101-T-737	Blend Tank

Table 4: Dedicated Waterbased Paint Production Equipment (P202)

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.

Table 4: Dedicated Waterbased Paint Production Equipment (P202)			
#	Building or Location	Equipment Number	Equipment Type
1.	22	22-T-48	Process Tank
2.	22	22-T-49	Process Tank
3.	22	22-T-50	Process Tank
4.	22	22-T-51	Process Tank
5.	22	22-T-52	Process Tank
6.	22	22-T-53	Process Tank
7.	22	22-T-54	Process Tank
8.	22	22-T-55	Process Tank
9.	22	22-T-56	Process Tank
10.	22	22-T-57	Process Tank
11.	22	22-T-63	Process Tank
12.	22	22-T-67	Process Tank
13.	22	22-T-69	Process Tank

Table 4: Dedicated Waterbased Paint Production Equipment (P202)			
#	Building or Location	Equipment Number	Equipment Type
14.	22	22-T-71	Process Tank
15.	22	22-T-72	Process Tank
16.	22	22-T-73	Process Tank
17.	22	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.

Table 5: Insignificant Emissions Units						
#	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.	2	2-H-1	Z002	boiler - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
2.	3	3-DM-1	Z003	dispense machine	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
3.	3	3-S1.5 -01	Z947	Premier Mill	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
4.	3	3-S1.5 -02	Z948	Premier Mill	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)

Table 5: Insignificant Emissions Units

#	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)
5.	3	3-S1.5 -03	Z949	Premier Mill	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
6.	3	3-S1.5 -04	Z950	Premier Mill	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
7.	3	3-DYN-04 -	Z951	Premier Mill	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
8.	3	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)
9.	4	4-FH-1	Z007	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
10.	4	4-FH-2	Z008	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
11.	4	4-FH-3	Z009	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
12.	4	4-FH-4	Z010	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
13.	4	4-FH-5	Z011	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
14.	4	4-FH-8	Z012	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
15.	4	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)
16.	5	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)
17.	5	5-FH-1		lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)

Table 5: Insignificant Emissions Units

#	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)
18.	6A	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)
19.	6A	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)
20.	7	7-DS-1	Z027	draw scale	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
21.	7	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)
22.	7	7-A-1		Agitator	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
23.	7	7-A-2		Agitator	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
24.	7	7-A-3		Agitator	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
25.	7	7-A-4		Agitator	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
26.	7	7-A-5		Agitator	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
27.	7	7-A-6		Agitator	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
28.	7	7-A-7		Agitator	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
29.	7	7-A-8		Agitator	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)

Table 5: Insignificant Emissions Units

#	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)
30.	8	8-DS-1	Z029	draw scale	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
31.	8	8-FM-2	Z030	draw scale	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
32.	9	9-SS-3	Z031	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
33.	9	9-SS-11	Z035	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w); OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
34.	9	9-T-1	Z952	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
35.	9A	9A-H-1	Z032	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
36.	9B	9B-H-2	Z033	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
37.	13	13-DCA-1	Z506	drum changing area	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
38.	13	13-HA-31	Z036	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
39.	13	13-HA-32	Z446	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
40.	13	13-HA-33	Z447	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)

Table 5: Insignificant Emissions Units

#	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)
41.	13	13-HA-34	Z448	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
42.	13	13-HA-35	Z449	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
43.	13	13-HA-36	Z450	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
44.	13	13-HA-37	Z451	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
45.	13	13-HA-38	Z452	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
46.	13	13-HA-39	Z453	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
47.	13	13-HA-40	Z454	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
48.	13	13-HA-41	Z455	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
49.	13	13-HA-42	Z456	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
50.	13	13-HA-43	Z457	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
51.	13	13-HA-44	Z458	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
52.	13	13-HA-45	Z459	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
53.	13	13-HA-46	Z460	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
54.	13	13-HA-47	Z461	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)

Table 5: Insignificant Emissions Units

#	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)
55.	13	13-HA-48	Z462	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
56.	13	13-HA-49	Z463	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
57.	13	13-HA-50	Z464	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
58.	13	13-HA-51	Z465	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
59.	13	13-HA-52	Z466	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
60.	13	13-HA-53	Z467	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
61.	13	13-HA-54	Z468	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
62.	13	13-HA-55	Z469	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
63.	13	13-HA-56	Z470	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
64.	13	13-HA-57	Z471	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
65.	13	13-HA-58	Z472	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
66.	13	13-HA-59	Z473	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
67.	13	13-HA-60	Z474	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)

Table 5: Insignificant Emissions Units

#	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)
68.	13	13-HA-61	Z475	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
69.	13	13-HA-62	Z476	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
70.	13	13-HA-63	Z477	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
71.	13	13-HA-64	Z478	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
72.	13	13-HA-65	Z479	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
73.	13	13-HA-66	Z480	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
74.	13	13-HA-67	Z481	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
75.	13	13-HA-68	Z482	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
76.	13	13-HA-69	Z483	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
77.	13	13-HA-70	Z484	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
78.	13	13-HA-71	Z485	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
79.	13	13-HA-72	Z486	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
80.	13	13-HA-73	Z487	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
81.	13	13-HA-74	Z488	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)

Table 5: Insignificant Emissions Units

#	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)
82.	13	13-HA-75	Z489	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
83.	13	13-HA-76	Z490	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
84.	13	13-HA-77	Z491	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
85.	13	13-HA-78	Z492	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
86.	13	13-HA-79	Z493	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
87.	13	13-HA-80	Z494	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
88.	13	13-HA-81	Z495	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
89.	13	13-HA-82	Z496	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
90.	13	13-HA-83	Z497	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
91.	13	13-HA-84	Z498	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
92.	13	13-HA-85	Z499	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
93.	13	13-HA-86	Z500	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
94.	13	13-HA-87	Z501	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)

Table 5: Insignificant Emissions Units

#	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)
95.	13	13-HA-88	Z502	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
96.	13	13-HA-89	Z503	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
97.	13	13-HA-90	Z504	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
98.	14	14-HA-11	Z037	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
99.	14	14-HA-12	Z507	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
100.	14	14-HA-13	Z508	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
101.	14	14-HA-14	Z509	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
102.	14	14-HA-15	Z510	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
103.	14	14-HA-16	Z511	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
104.	14	14-HA-17	Z512	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
105.	14	14-HA-18	Z513	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
106.	14	14-HA-19	Z514	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
107.	14	14-HA-20	Z515	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
108.	14	14-HA-21	Z516	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)

Table 5: Insignificant Emissions Units

#	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)
109.	14	14-HA-22	Z517	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
110.	14	14-HA-23	Z518	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
111.	14	14-HA-24	Z519	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
112.	14	14-HA-25	Z520	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
113.	14	14-HA-26	Z521	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
114.	14	14-HA-27	Z522	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
115.	14	14-HA-28	Z523	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
116.	14	14-HA-29	Z524	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
117.	14	14-HA-30	Z525	drum agitation stations	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
118.	15	15-DM-1	Z973	dispense machine	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
119.	15	15-DS-1	Z039	draw scale	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
120.	15	15-T-151	Z040	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
121.	15	15-T-8000	Z546	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)

Table 5: Insignificant Emissions Units

#	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)
122.	15	15-T-8001	Z548	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
123.	15	15-T-8002	Z549	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
124.	15	15-T-8003	Z550	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
125.	15	15-T-8004	Z551	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
126.	15	15-T-8005	Z552	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
127.	15	15-T-8006	Z553	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
128.	15	15-T-8007	Z975	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
129.	15	15-T-8008	Z976	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
130.	15	15-T-8009	Z977	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
131.	15	15-T-8010	Z978	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
132.	15	15-T-8011	Z979	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
133.	15	15-T-8012	Z980	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
134.	15	15-T-8013	Z981	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)

Table 5: Insignificant Emissions Units

#	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)
135.	15	15-T-8014	Z982	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
136.	15	15-T-8015	Z983	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
137.	15	15-T-8016	Z984	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
138.	15	15-T-8017	Z985	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
139.	15	15-T-8018	Z986	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
140.	15	15-T-8019	Z987	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
141.	15	15-T-8020	Z988	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
142.	15	15-T-8021	Z989	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
143.	15	15-T-8022	Z990	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
144.	15	15-T-8023	Z991	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
145.	15A	15A-FH-1	Z041	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
146.	15A	15A-FH-2	Z042	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
147.	15A	15A-LB-1	Z043	lab bench	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)

Table 5: Insignificant Emissions Units

#	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)
148.	15A	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)
149.	16	16-T-201	T148	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
150.	16	16-T-202	T149	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
151.	16	16-T-203	T150	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
152.	16	16-T-204	T151	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
153.	16	16-T-205	T152	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
154.	16	16-T-206	T153	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
155.	16	16-T-207	T154	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
156.	16	16-T-208	T155	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
157.	16	16-T-209	T156	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)

Table 5: Insignificant Emissions Units

#	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)
158.	16	16-T-210	T157	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
159.	16	16-T-211	T158	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
160.	16	16-T-212	T159	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
161.	16	16-T-213	T160	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
162.	16	16-T-214	T161	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
163.	16	16-T-215	T162	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
164.	16	16-T-216	T163	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
165.	16	16-T-217	T164	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
166.	16	16-T-218	T165	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
167.	16	16-T-219	T166	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)

Table 5: Insignificant Emissions Units

#	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)
168.	16	16-T-220	T167	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
169.	16	16-T-221	T168	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
170.	16	16-T-222	T169	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
171.	16	16-T-223	T170	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
172.	16	16-T-224	T171	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
173.	18	18-B-1	Z433	boiler - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
174.	18	18-B-2	Z434	boiler - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
175.	18	18-B-3	Z435	boiler - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
176.	18	18-B-4	Z436	boiler - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
177.	18	18-B-5	Z437	boiler - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)

Table 5: Insignificant Emissions Units

#	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)
178.	18	18-B-6	Z438	boiler - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
179.	18	18-B-7	Z439	boiler - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
180.	18	18-T-1		Water receiver tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
181.	18	18-DA-1		Deaerator Tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
182.	19	19-T-1	Z954	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
183.	20	20-T-001	Z146	emergency overflow tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
184.	20	20-T-002	Z147	emergency overflow tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
185.	21	21-DS-1	Z070	draw scale	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
186.	21	21-SS-4	Z071	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
187.	22	22-T-75	Z072	water storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
188.	22	22-T-58	Z073	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)

Table 5: Insignificant Emissions Units

#	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)
189.	22	22-T-59	Z074	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
190.	22	22-T-60	Z075	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
191.	22	22-T-61	Z076	Process tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
192.	22	22-T-62	Z077	Process tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
193.	22	22-T-64	Z078	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
194.	22	22-T-65	Z079	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
195.	22	22-T-66	Z080	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
196.	22	22-T-68	Z081	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
197.	22	22-T-70	Z082	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
198.	22	22-O-7		Lab oven	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
199.	22	22-O-8		Lab oven	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
200.	22	22-O-9		Lab oven	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)

Table 5: Insignificant Emissions Units

#	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)
201.	22	22-O-10		Lab oven	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
202.	22	22-O-11		Lab oven	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
203.	22B Tech	22B-MF-2		Isotemp oven	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
204.	22B Tech	22B-CO-1	Z104	convention oven	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
205.	22B Tech	22B-co-2	Z105	convention oven	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
206.	22B Tech	22B-MF-1	Z106	Isotempoven	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
207.	22B Tech	22B-O-1	Z083	lab oven	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
208.	22B Tech	22B-O-2	Z084	lab oven	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
209.	22B Tech	22B-O-11	Z085	lab oven	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
210.	22B Tech	22B-O-4	Z086	lab oven	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
211.	22B Tech	22B-O-3	Z099	Heat age oven	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
212.	22B Tech	22B-O8	Z100	Isotemp oven	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
213.	22B Tech	22B-O-5	Z087	lab oven	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
214.	22B Tech	22B-O-6	Z102	lab oven	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)

Table 5: Insignificant Emissions Units

#	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)
215.	22B Tech	22B-O-7	Z103	isopemp oven	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
216.	22B Tech	22B-FH-1	Z092	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
217.	22B Tech	22B-FH-2	Z093	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
218.	22B Tech	22B-FH-3	Z094	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
219.	22B Tech	22B-FH-4	Z095	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
220.	22B Tech	22B-FH-5	Z096	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
221.	22B Tech	22B-FH-6	Z097	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
222.	22B tech	22B-FH-7	Z098	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
223.	22B	22B-T-1	Z088	storage tank	OAC 3745-31-03(A)(1)(l)(iv)	OAC 3745-77-01(U)(1)
224.	22B	22B-T-2	Z089	storage tank	OAC 3745-31-03(A)(1)(l)(iv)	OAC 3745-77-01(U)(1)
225.	22B	22B-T-3	Z090	storage tank	OAC 3745-31-03(A)(1)(l)(i)	OAC 3745-77-01(U)(1)
226.	22B	22B-T-4	Z091	storage tank	OAC 3745-31-03(A)(1)(l)(i)	OAC 3745-77-01(U)(1)
227.	22F	22F-0-PL	P141	pilot lab oven	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
228.	22F	22F-O-TO		Small test oven	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)

Table 5: Insignificant Emissions Units

#	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)
229.	22F	22F-CT-01	Z930	cleaning tank	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
230.	22F	22F-CT-02	Z931	cleaning tank	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
231.	22F	22F-CT-03	Z932	cleaning tank	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
232.	22F	22F-CT-04	Z933	cleaning tank	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
233.	22F	22F-CT-05	Z934	cleaning tank	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
234.	22F	22F-CT-06	Z935	cleaning tank	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
235.	22F	22F-CT-07	Z936	cleaning tank	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
236.	22F	22F-CT-08	Z937	cleaning tank	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
237.	22F	22F-CT-09	Z938	cleaning tank	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)

Table 5: Insignificant Emissions Units

#	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)
238.	22F	22F-CT-10	Z939	cleaning tank	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
239.	22F	22F-CT-11	Z940	cleaning tank	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
240.	22F	22F-CT-12	Z941	cleaning tank	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
241.	22F	22F-CT-13	Z942	cleaning tank	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
242.	22F	22F-CT-14	Z943	cleaning tank	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
243.	22F	22F-CT-15	Z944	cleaning tank	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
244.	23	23-DM-1	Z111	dispense machine	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
245.	23	23-DM-2		Slurry dispense machine	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
246.	23	23-LB-1	Z112	lab bench	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)

Table 5: Insignificant Emissions Units

#	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)
247.	23	23-SS-5	Z113	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
248.	23	23-T-01	Z114	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
249.	23	23-T-02	Z115	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
250.	23	23-T-03	Z116	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
251.	23	23-T-04	Z117	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
252.	23	23-T-05	Z118	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
253.	23	23-T-06	Z119	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
254.	23	23-T-07	Z120	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
255.	23	23-T-08	Z121	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
256.	23	23-T-09	Z122	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
257.	23	23-T-10	Z123	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
258.	23	23-T-11	Z128	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
259.	23	23-T-12	Z129	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
260.	23	23-T-13	Z130	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
261.	23	23-T-14	Z131	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)

Table 5: Insignificant Emissions Units

#	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)
262.	23	23-T-15	Z132	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
263.	23	23-T-16	Z133	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
264.	23	23-T-17	Z134	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
265.	23	23-T-18	Z135	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
266.	23	23-T-20	Z136	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
267.	23	23-T-21	Z137	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
268.	23	23-T-22	Z138	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
269.	23	23-T-23	Z139	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
270.	23	23-T-24	Z140	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
271.	23	23-T-25	Z141	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
272.	23	23-T-26	Z142	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
273.	23	23-T-27	Z143	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
274.	23	23-T-28	Z144	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
275.	23	23-T-32	Z955	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
276.	23	23-T-101	Z124	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)

Table 5: Insignificant Emissions Units

#	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)
277.	23	23-T-102	Z125	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
278.	24	24-DS-1	Z145	draw scale	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
279.	24	24-T-501	Z148	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
280.	24	24-T-503	Z149	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
281.	24	24-T-504	Z150	storage tank	OAC 3745-31-03(A)(1)(l)(i)	OAC 3745-77-01(U)(1)
282.	24	24-T-505	Z151	storage tank	OAC 3745-31-03(A)(1)(l)(i)	OAC 3745-77-01(U)(1)
283.	24	24-T-509	Z152	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
284.	24	24-T-510	Z153	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
285.	24	24-T-511	Z154	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
286.	24	24-T-512	Z155	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
287.	24	24-T-527	Z156	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
288.	24	24-T-528	Z956	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
289.	24B	24B-CB-1	Z157	tankwagon rinsing	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
290.	25	25-SS-6	Z158	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)

Table 5: Insignificant Emissions Units

#	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)
291.	25	25-A-1		agitator	OAC 3745-15-05(B)	OAV 3745-77-01(U)(1)
292.	25	25-A-2		agitator	OAC 3745-15-05(B)	OAV 3745-77-01(U)(1)
293.	26	26-T-321	T172	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
294.	26	26-T-322	T173	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
295.	26	26-T-323	T174	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
296.	26	26-T-324	T175	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
297.	26	26-T-325	T176	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
298.	26	26-T-326	T177	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
299.	26	26-T-327	T178	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
300.	26	26-T-328	T179	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
301.	26	26-T-329	T180	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)

Table 5: Insignificant Emissions Units

#	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)
302.	26	26-T-330	T181	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
303.	28	28-O-1	Z796	lab oven	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
304.	28	28-O-2	Z797	lab oven	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
305.	28	28-T-401	T182	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
306.	28	28-T-402	T183	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
307.	28	28-T-403	T184	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
308.	28	28-T-404	T185	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
309.	28	28-T-405	T186	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
310.	28	28-T-406	T187	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
311.	28	28-T-407	T188	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
312.	28	28-T-408	T189	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)

Table 5: Insignificant Emissions Units

#	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)
313.	28	28-T-409	T190	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
314.	28	28-T-410	T191	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
315.	28	28-T-411	T192	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
316.	28	28-T-412	T193	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
317.	28	28-T-413	T194	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
318.	28	28-T-414	T195	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
319.	28	28-T-415	T196	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
320.	28	28-T-416	T197	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
321.	28	28-T-417	T198	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
322.	28	28-T-418	T199	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)

Table 5: Insignificant Emissions Units

#	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)
323.	28	28-T-419	T200	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
324.	28	28-T-420	T201	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
325.	28	28-T-421	T202	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
326.	28	28-T-422	T203	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
327.	28	28-T-423	T204	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
328.	28	28-T-424	T205	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
329.	28	28-T-425	T206	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
330.	28	28-T-426	T207	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
331.	28	28-T-427	T208	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
332.	28	28-T-428	T209	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)

Table 5: Insignificant Emissions Units

#	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)
333.	28	28-T-429	T210	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
334.	28	28-T-430	T211	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
335.	28	28-T-431	T213	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
336.	28	28-T-432	T214	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
337.	28	28-T-433	T215	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
338.	28	28-T-434	T216	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
339.	28	28-T-435	T217	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
340.	28	28-T-436	T218	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
341.	28	28-T-437	T219	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
342.	29	29-DS-1	Z206	draw scale	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)

Table 5: Insignificant Emissions Units

#	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)
343.	29	29-DS-2	Z207	draw scale	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
344.	29	29-DS-3	Z208	draw scale	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
345.	29	29-SS-7	Z209	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
346.	29	29-SS-8	Z974	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
347.	30	30-HW-1	Z220	hot water tank - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(3)
348.	30	30-O-1	Z211	lab oven	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
349.	30	30-O-2	Z212	lab oven	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
350.	30	30-O-3	Z213	lab oven	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
351.	30	30-O-4	Z214	lab oven	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
352.	30	30-O-5	Z215	lab oven	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
353.	30	30-O-6	Z216	lab oven	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
354.	30	30-SS-1		Solvent sink	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)

Table 5: Insignificant Emissions Units

#	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)
355.	30	30-SS-2		Solvent sink	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
356.	30	30-FH-1		Lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
357.	32	32-T-101	Z217	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
358.	32	32-T-102	Z218	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
359.	32	32-T-103	Z219	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
360.	32	32-T-104	Z220	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
361.	32	32-T-105	Z221	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
362.	32	32-T-106	Z222	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
363.	32	32-T-107	Z223	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
364.	32	32-T-108	Z224	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
365.	32	32-T-109	Z225	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
366.	32	32-T-110	Z226	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
367.	32	32-T-111	Z227	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
368.	32	32-T-112	Z228	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
369.	32	32-T-000		Emergency flow tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)

Table 5: Insignificant Emissions Units

#	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)
370.	37	37-T-301	T220	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
371.	37	37-T-302	T221	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
372.	37	37-T-303	T222	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
373.	37	37-T-304	T223	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
374.	37	37-T-306	T224	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
375.	38	38-T-307	T225	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
376.	38	38-T-308	T226	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
377.	38	38-T-309	T227	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
378.	38	38-T-310	T228	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
379.	38	38-T-311	T229	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)

Table 5: Insignificant Emissions Units

#	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)
380.	38	38-T-312	T230	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
381.	39	39-T-313	T231	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
382.	39	39-T-314	T232	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
383.	39	39-T-315	T233	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
384.	39	39-T-316	T234	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
385.	39	39-T-317	T235	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
386.	39	39-T-318	T236	storage tank	N/A (existing source installed pre-1974)	OAC 3745-77-01(U)(3)
387.	41	41-CO-1	Z246	waste compactor	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
388.	41	41-SH-1	Z247	waste shredder	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
389.	41	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)

Table 5: Insignificant Emissions Units

#	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)
390.	41	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)
391.	41	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)
392.	41	41-T-4	Z251	storage tank	OAC 3745-31-03(A)(1)(l)	OAC 3745-77-01(U)(1)
393.	41	41-TC-1	Z253	trash compactor	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
394.	44	44-HW-1	Z254	hot water tank - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(3)
395.	44	44-HW-2	Z255	hot water tank - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(3)
396.	46	46-0-B02-FH-04	Z256	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
397.	46	46-0-B04-FH-01	Z257	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
398.	46	46-0-B15-FH-03	Z258	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
399.		46A-0-B04-04		Lab isotemp oven	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
400.	46	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)

Table 5: Insignificant Emissions Units

#	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)
401.	46	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)
402.	46	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)
403.	46	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)
404.	46	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)
405.	46	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)
406.	46	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)
407.	46	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)
408.	46	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)
409.	46	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)

Table 5: Insignificant Emissions Units

#	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)
410.	46	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)
411.	46	46-1-118A-FH-03	Z271	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
412.	46	46-1-118A-FH-04	Z272	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
413.	46	46-1-118A-FH-05	Z274	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
414.	46	46-1-118B-FH-06	Z277	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
415.	46	46-1-118C-FH-07	Z280	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
416.	46	46-1-118C-FH-08	Z281	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
417.	46	46-2-108-FH-18	Z285	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
418.	46	46-2-201-FH-12	Z286	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
419.	46	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)
420.	46	46-2-202-H-13	Z288	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
421.	46	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)
422.	46	46-2-203-FH-14	Z290	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)

Table 5: Insignificant Emissions Units

#	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)
423.	46	46-2-203-FH-15	Z291	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
424.	46	46-2-203-FH-26A	Z292	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
425.	46	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)
426.	46	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)
427.	46	46-2-205-FH-16	Z295	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
428.	46	46-2-205-FH-17	Z296	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
429.	46	46-2-205-FH-26	Z297	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
430.	46	46-2-205-SB-P-1	Z298	enclosed spraybooth; water clean	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
431.	46	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)
432.	46	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)

Table 5: Insignificant Emissions Units

#	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)
433.	46	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)
434.	46	46-2-208-FH-18		Lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
435.	46	46-2-210-FH-24	Z302	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
436.	46	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)
437.	46	46-2-211-FH-23	Z304	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
438.	46	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)
439.	46	46-2-212-FH-22	Z306	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
440.	46	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)
441.	46	46-2-213-FH-21	Z308	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
442.	46	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)
443.	46	46-2-214-FH-19A	Z310	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
444.	46	46-2-214-FH-20	Z311	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)

Table 5: Insignificant Emissions Units

#	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)
445.	46	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)
446.	46	46-2-215-FH-19	Z313	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
447.	46	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)
448.	46	46-3-317-FH-23	Z315	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
449.	46	46-3-317-FH-24	Z316	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
450.	46	46-3-317-FH-25	Z317	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
451.	46	46-3-317-FH-25A	Z318	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
452.	46	46-3-317-FH-25B	Z319	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
453.	46	46-3-319-FH-19	Z320	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
454.	46	46-3-319-FH-20	Z321	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
455.	46	46-3-319-FH-21	Z322	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
456.	46	46-3-319-FH-22	Z323	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
457.	46A	46A-1-101-FH-11	Z325	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
458.	46A	46A-1-102-FH-10	Z326	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)

Table 5: Insignificant Emissions Units

#	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)
459.	46A	46A-1-103-FH-09	Z327	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
460.	46A	46A-1-105-FH-07	Z328	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
461.	46A	46A-1-105-FH-08	Z329	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
462.	46A	46A-1-107-FH-05	Z330	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
463.	46A	46A-1-107-FH-06	Z331	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
464.	46A	46A-1-108-FH-04	Z332	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
465.	46A	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)
466.	46A	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)
467.	46A	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)
468.	46A	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)
469.	46A	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)

Table 5: Insignificant Emissions Units

#	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)
470.	46A	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)
471.	46A	46A-2-216A-FH-11	Z339	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
472.	46A	46A-2-216A-FH-12	Z340	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
473.	46A	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)
474.	46A	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)
475.	46A	46A-2-216B-FH-13	Z343	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
476.	46A	46A-2-216B-FH-14	Z344	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
477.	46A	46A-2-216B-FH-15	Z345	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
478.	46A	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)
479.	46A	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)
480.	46A	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)

Table 5: Insignificant Emissions Units

#	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)
481.	46A	46A-2-216C-FH-16	Z349	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
482.	46A	46A-2-216C-SS-18		solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
483.	46A	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)
484.	46A	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)
485.	46A	46A-2-217-FH-10	Z354	lab fume hood	OAC 3745-31-03(A)(1)(i)	OAC 3745-77-01(U)(1)
486.	46A	46A-2-217-SS-10		solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
487.	46A	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)
488.	46A	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)
489.	46A	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)

Table 5: Insignificant Emissions Units

#	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)
490.	46A	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)
491.	46A	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)
492.	46A	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)
493.	46A	46A-DYN-1	Z957	Premier Mill	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
494.	46A	46A-DYN-2	Z958	Premier Mill	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
495.	46A	46A-DYN-3	Z959	Premier Mill	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
496.	47	47-SS-9	Z363	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
497.	50	50-B-1	Z365	boiler - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
498.	50	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) less than 50 horsepower and less than 0.5% by weight sulfur	OAC 3745-77-01(U)(1)

Table 5: Insignificant Emissions Units

#	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)
499.	50	50-T-1	Z367	storage tank - less than 700-gallons	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
500.	50	50-T-2	Z368	storage tank - less than 700- gallons	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
501.	100	100-DM-1	Z369	dispense machine	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
502.	100	100-DM-2	Z972	dispensing machine	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
503.	100	100-LB-1	Z370	lab bench	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
504.	100	100-SS-10	Z371	solvent sink (cold cleaner)	OAC 3745-31-03(A)(1)(w) OAC 3745-21-09(O)	OAC 3745-77-01(U)(1)
505.	100	100-T-6001	Z960	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
506.	100	100-T-6002	Z961	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
507.	100	100-T-6003	Z962	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
508.	100	100-T-6004	Z963	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
509.	100	100-T-6005	Z964	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
510.	100	100-T-6006	Z965	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
511.	100	100-T-6007	Z966	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)

Table 5: Insignificant Emissions Units

#	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)
512.	100	100-T-6008	Z967	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
513.	100	100-T-6009	Z968	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
514.	100	100-T-6010	Z969	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
515.	100	100-T-6011	Z970	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
516.	100	100-T-6012	Z971	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
517.	101	101-A-1	P142	agitator	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
518.	101	101-A-2	P143	agitator	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
519.	101	101-T-750	P144	waste water tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
520.	200	200-H-1	Z372	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
521.	200	200-H-2	Z373	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
522.	200	200-H-3	Z374	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
523.	200	200-H-4	Z375	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
524.	200	200-H-5	Z376	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)

Table 5: Insignificant Emissions Units

#	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)
525.	200	200-H-6	Z377	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
526.	200	200-H-7	Z378	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
527.	200	200-H-8	Z379	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
528.	200	200-H-9	Z380	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
529.	205	205-H-1	Z381	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
530.	205	205-H-2	Z382	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
531.	300	300-H-1	Z383	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
532.	300	300-H-2	Z384	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
533.	300	300-H-3	Z385	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
534.	300	300-H-4	Z386	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)

Table 5: Insignificant Emissions Units

#	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)
535.	300	300-H-5	Z387	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
536.	300	300-H-6	Z388	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
537.	300	300-H-7	Z389	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
538.	300	300-H-8	Z390	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
539.	300	300-H-9	Z391	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
540.	500	500-H-1	Z394	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
541.	600	600-B-1	Z396	boiler - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
542.	600	600-H-01	Z397	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
543.	600	600-H-02	Z398	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
544.	600	600-H-03	Z399	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)

Table 5: Insignificant Emissions Units

#	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)
545.	600	600-H-04	Z400	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
546.	600	600-H-05	Z401	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
547.	600	600-H-06	Z402	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
548.	600	600-H-07	Z403	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
549.	600	600-H-08	Z404	heater - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
550.	600	600-LA-1	Z411	liquid preassembly	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
551.	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) less than 50 horsepower and less than 0.5% by weight sulfur	OAC 3745-77-01(U)(1)
552.	600	600-PA-1	Z413	pigment preassembly	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
553.	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)
554.	600	600-T-1	Z415	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)

Table 5: Insignificant Emissions Units

#	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)
555.	Backup	BACK-B-1	Z416	generator backup - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a) (nn) less than 50 horsepower and less than 0.5% by weight sulfur or (oo) 2-stroke or 4-stroke, air-cooled, gasoline-powered engines no more than 20 horsepower used for lawnmowers, small electric generators, compressors, pumps, minibikes, snowthrowers, garden tractors or other similar uses.	OAC 3745-77-01(U)(1)
556.	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)
557.	Fuel Oil	FUEL-T-319	Z418	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
558.	Fuel Oil	FUEL-T-320	Z419	storage tank	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
559.	PFV	Flanges 100% VOC	Z420	external flanges	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
560.	PFV	Flanges 47% VOC	Z421	external flanges	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
561.	PFV	Pumps 100% VOC	Z422	external pumps	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
562.	PFV	Pumps 47% VOC	Z423	external pumps	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)

Table 5: Insignificant Emissions Units

#	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)
563.	PFV	Valves 100% VOC	Z424	external valves	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
564.	PFV	Valves 47% VOC	Z425	external valves	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
565.	Snow Melter	SNOW-B-1	Z426	snow melter	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
566.	Snow Melter	SNOW-T-1	Z427	storage tank	OAC 3745-31-03(A)(1)(l)(iii)	OAC 3745-77-01(U)(1)
567.	Training Trailer	TT-H-1	Z428	boiler - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
568.	Training Trailer	TT-H-2	Z429	boiler - less than 10MMBtu/hr	OAC 3745-31-03(A)(1)(a)	OAC 3745-77-01(U)(1)
569.		Paint Manufacturing Operations	Z430	635 light service valves	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
570.		Paint Manufacturing Operations	Z431	840 light liquid service flanges (connectors)	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)
571.		Paint Manufacturing Operations	Z432	120 light liquid service pump seals	OAC 3745-15-05(B)	OAC 3745-77-01(U)(1)