State of Ohio Environmental Protection Agency

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11/19/2009

Pamela Blakley *Via E-Mail Notification*
United States Environmental Protection Agency
Mail Code: AR-18J
77 West Jackson Blvd.
Chicago, IL 60604-3507

RE: PROPOSED AIR POLLUTION TITLE V PERMIT
Facility Name: Whirlpool Corporation - Clyde Division
Facility ID: 0372020143
Permit Type: Renewal
Permit Number: P0087632

Dear Ms. Blakley:

A proposed OAC Chapter 3745-77 Title V permit for the referenced facility has been issued for review by U.S. EPA. This permit has been posted to the Division of Air Pollution Control (DAPC) Web page http://www.epa.ohio.gov/dapc in Microsoft Word and Adobe Acrobat format. If U.S. EPA does not object to this proposed permit, the permit will be processed for issuance as a final action not less than 45 days from the date of this letter. Please contact me at (614) 644-3631 by the end of the 45 day review period if you wish to object to the proposed permit.

Sincerely,

Michael W. Ahern

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

Cc: Ohio EPA DAPC, Northwest District Office

State of Ohio Environmental Protection Agency
Division of Air Pollution Control

PROPOSED

Air Pollution Title V Permit
for
Whirlpool Corporation - Clyde Division

Facility ID: 0372020143
Permit Number: P0087632
Permit Type: Renewal
Issued: 11/19/2009
Effective: To be entered upon final issuance
Expiration: To be entered upon final issuance

State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Air Pollution Title V Permit
for
Whirlpool Corporation - Clyde Division

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Authorization

Facility ID: 0372020143
Facility Description: Household Laundry Equipment
Application Number(s): A0018649, A0018650, A0018651, A0038082
Permit Number: P0087632
Permit Description: Renewal Title V Application
Permit Type: Renewal
Issue Date: 11/19/2009
Effective Date: To be entered upon final issuance
Expiration Date: To be entered upon final issuance
Superseded Permit Number:

This document constitutes issuance of an OAC Chapter 3745-77 Title V permit to:

Whirlpool Corporation - Clyde Division
119 Birdseye St.
Clyde, OH 43410-1397

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

Ohio EPA DAPC, Northwest District Office
347 North Dunbridge Road
Bowling Green, OH 43402
(419)352-8461

The above named entity is hereby granted a Title V permit pursuant to Chapter 3745-77 of the Ohio Administrative Code. This permit and the authorization to operate the air contaminant sources (emissions units) at this facility shall expire at midnight on the expiration date shown above. You will be sent a notice approximately 18 months prior to the expiration date regarding the renewal of this permit. If you do not receive a notice, please contact the Ohio EPA DAPC, Northwest District Office. If a renewal permit is not issued prior to the expiration date, the permittee may continue to operate pursuant to OAC rule 3745-77-08(E) and in accordance with the terms of this permit beyond the expiration date, if a timely renewal application is submitted. A renewal application will be considered timely if it is submitted no earlier than 18 months (540 days) and no later than 6 months (180 days) prior to the expiration date.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Chris Korleski
Director

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. 24., Reporting Requirements Related to Monitoring and Record Keeping Requirements of State-Only Enforceable Permit Terms and Conditions

(2) Standard Term and Condition A. 25., Records Retention Requirements for State-Only Enforceable Permit Terms and Conditions

(3) Standard Term and Condition A. 27., Scheduled Maintenance/Malfunction Reporting

(4) Standard Term and Condition A. 29., Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations
(Authority for term: ORC 3704.036(A))

2. 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 (i.e., in section C. Emissions Unit Terms and Conditions of this Title V permit), 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.
(Authority for term: OAC rule 3745-77-07(A)(3)(b)(i))

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 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.
(Authority for term: OAC rule 3745-77-07(A)(3)(b)(ii))

c) The permittee shall submit required reports in the following manner:

(1) All reporting required in accordance with OAC rule 3745-77-07(A)(3)(c) for deviations caused by malfunctions shall be submitted in the following manner:

Any malfunction, as defined in OAC rule 3745-15-06(B)(1), shall be promptly reported to the Ohio EPA in accordance with OAC rule 3745-15-06. In addition, to fulfill the OAC rule 3745-77-07(A)(3)(c) deviation reporting requirements for malfunctions, written reports that identify each malfunction that occurred during each calendar quarter (including each malfunction reported only verbally in accordance with OAC rule 3745-15-06) shall be submitted (i.e., postmarked) by January 31, April 30, July 31, and October 31 of each year in accordance with Standard Term and Condition A.2.c)(2) below; and each report shall cover the previous calendar quarter. An exceedance of the visible emission limitations specified in OAC rule 3745-17-07(A)(1) that is caused by a malfunction is not a violation and does not need to be reported as a deviation if the owner or operator of the affected air contaminant source or air pollution control equipment complies with the requirements of OAC rule 3745-17-07(A)(3)(c).

In accordance with OAC rule 3745-15-06, a malfunction reportable under OAC rule 3745-15-06(B) constitutes a violation of an emission limitation (or control requirement) and, therefore, is a deviation of the federally enforceable permit requirements. Even though verbal notifications and written reports are required for malfunctions pursuant to OAC rule 3745-15-06, the written reports required pursuant to this term must be submitted quarterly to satisfy the prompt reporting provision of OAC rule 3745-77-07(A)(3)(c).

In identifying each deviation caused by a malfunction, the permittee shall specify the emission limitation(s) (or control requirement(s)) for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation. For a specific malfunction, if this information has been provided in a written report that was submitted in accordance with OAC rule 3745-15-06, the permittee may simply reference that written report to identify the deviation. Nevertheless, all malfunctions, including those reported only verbally in accordance with OAC rule 3745-15-06, must be reported in writing on a quarterly basis.

Any scheduled maintenance, as referenced in OAC rule 3745-15-06(A)(1), that results in a deviation from a federally enforceable emission limitation (or control requirement) shall be reported in the same manner as described above for malfunctions.

(Authority for term: OAC rule 3745-77-07(A)(3)(c))

(2) Except as may otherwise be provided in the terms and conditions for a specific emissions unit (i.e., in section C. Emissions Unit Terms and Conditions of this Title V permit or, in some cases, in section B. Facility-Wide Terms and Conditions of this Title V permit), all reporting required in accordance with OAC rule 3745-77-07(A)(3)(c) for deviations of the emission limitations, operational restrictions, and control device operating parameter limitations shall be submitted in the following manner:

Written reports of (a) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures taken, shall be promptly made to the appropriate Ohio EPA District Office or local air agency. Except as provided below, the written reports shall be submitted (i.e., postmarked) by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter.

In identifying each deviation, the permittee shall specify the emission limitation(s), operational restriction(s), and/or control device operating parameter limitation(s) for which the deviation occurred, describe each deviation, and provide the estimated magnitude and duration of each deviation.

These written deviation reports shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c) pertaining to the submission of monitoring reports every six months and to the prompt reporting of all deviations. Full compliance with OAC rule 3745-77-07(A)(3)(c) requires reporting of all other deviations of the federally enforceable requirements specified in the permit as required by such rule.

If an emissions unit has a deviation reporting requirement for a specific emission limitation, operational restriction, or control device operating parameter limitation that is not on a quarterly basis (e.g., within 30 days following the end of the calendar month, or within 30 or 45 days after the exceedance occurs), that deviation reporting requirement satisfies the reporting requirements specified in this Standard Term and Condition for that specific emission limitation, operational restriction, or control device parameter limitation. Following the provisions of that non-quarterly deviation reporting requirement will also satisfy (for the deviations so reported) the requirements of OAC rule 3745-77-07(A)(3)(c) pertaining to the submission of monitoring reports every six months and to the prompt reporting of all deviations, and additional quarterly deviation reports for that specific emission limitation, operational restriction, or control device parameter limitation are not required pursuant to this Standard Term and Condition.

See A.29 below if no deviations occurred during the quarter.
(Authority for term: OAC rule 3745-77-07(A)(3)(c))

(3) All reporting required in accordance with the OAC rule 3745-77-07(A)(3)(c) for other deviations of the federally enforceable permit requirements which are not reported in accordance with Standard Term and Condition A.2)c)(2) above shall be submitted in the following manner:

Unless otherwise specified by rule, written reports that identify deviations of the following federally enforceable requirements contained in this permit; Standard Terms and Conditions: A.3, A.4, A.5, A.7.e), A.8, A.13, A.15, A.19, A.20, A.21, and A.23 of this Title V permit, as well as any deviations from the requirements in section C. Emissions Unit Terms and Conditions of this Title V permit, and any monitoring, record keeping, and reporting requirements, which are not reported in accordance with Standard Term and Condition A.2.c)(2) above shall be submitted (i.e., postmarked) to the appropriate Ohio EPA District Office or local air agency by January 31 and July 31 of each year; and each report shall cover the previous six calendar months. Unless otherwise specified by rule, all other deviations from federally enforceable requirements identified in this permit shall be submitted annually as part of the annual compliance certification, including deviations of federally enforceable requirements not specifically addressed by permit or rule for the insignificant activities or emissions levels (IEU) identified in section B. Facility-Wide Terms and Conditions of this Title V permit. Annual reporting of deviations is deemed adequate to meet the deviation reporting requirements for IEUs unless otherwise specified by permit or rule.

In identifying each deviation, the permittee shall specify the federally enforceable requirement for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation.

These semi-annual and annual written reports shall satisfy the reporting requirements of OAC rule 3745-77-07(A)(3)(c) for any deviations from the federally enforceable requirements contained in this permit that are not reported in accordance with Standard Term and Condition A.2.c)(2) above.

If no such deviations occurred during a six-month period, the permittee shall submit a semi-annual report which states that no such deviations occurred during that period.
(Authority for term: OAC rules 3745-77-07(A)(3)(c)(i) and (ii) and OAC rule 3745-77-07(A)(13)(b))

(4) 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 (including any written malfunction reports required by OAC rule 3745-15-06 that are referenced in the deviation reports) are true, accurate, and complete."
(Authority for term: OAC rule 3745-77-07(A)(3)(c)(iv))

(5) Reports of any required monitoring and/or record keeping information shall be submitted to Ohio EPA DAPC, Northwest District Office.
(Authority for term: OAC rule 3745-77-07(A)(3)(c))

3. Scheduled Maintenance

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. Except as provided in OAC rule 3745-15-06(A)(3), any scheduled maintenance necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s). Any scheduled maintenance, as defined in OAC rule 3745-15-06(A)(1), that results in a deviation from a federally enforceable emission limitation (or control requirement) shall be reported in the same manner as described for malfunctions in Standard Term and Condition A.2.c)(1) above.
(Authority for term: OAC rule 3745-77-07(A)(3)(c))

4. Risk Management Plans

If applicable, the permittee shall 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"); and, pursuant to 40 C.F.R. 68.215(a), the permittee shall submit either of the following:

a) a compliance plan for meeting the requirements of 40 C.F.R. Part 68 by the date specified in 40 C.F.R. 68.10(a) and OAC 3745-104-05(A); or

b) as part of the compliance certification submitted under 40 C.F.R. 70.6(c)(5), a certification statement that the source is in compliance with all requirements of 40 C.F.R. Part 68 and OAC Chapter 3745-104, including the registration and submission of the risk management plan.

(Authority for term: OAC rule 3745-77-07(A)(4))

5. 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.
(Authority for term: OAC rule 3745-77-07(A)(5))

6. Severability Clause

A determination that any term or condition of this permit is invalid shall not invalidate the force or effect of any other term or condition thereof, except to the extent that any other term or condition depends in whole or in part for its operation or implementation upon the term or condition declared invalid.
(Authority for term: OAC rule 3745-77-07(A)(6))

7. General Requirements

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

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

c) This permit may be modified, reopened, revoked, or revoked and reissued, for cause, in accordance with Standard Term and Condition A.11 below. The filing of a request by the permittee for a permit modification, revocation and reissuance, or revocation, or of a notification of planned changes or anticipated noncompliance does not stay any term and condition of this permit.

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

e) The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon request, the permittee shall also furnish to the Director or an authorized representative of the Director, copies of records required to be kept by this permit. For information claimed to be confidential in the submittal to the Director, if the Administrator of the U.S. EPA requests such information, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

f) Except as otherwise indicated below, this Title V permit, or permit modification, is effective for five years from the original effective date specified in the permit. In the event that this facility becomes eligible for non-title V permits, this permit shall cease to be enforceable when:

(1) the permittee submits an approved facility-wide potential to emit analysis supporting a claim that the facility no longer meets the definition of a "major source" as defined in OAC rule 3745-77-01(W) based on the permanent shutdown and removal of one or more emissions units identified in this permit; or

(2) the permittee no longer meets the definition of a "major source" as defined in OAC rule 3745-77-01(W) based on obtaining restrictions on the facility-wide potential(s) to emit that are federally enforceable or legally and practically enforceable ; or

(3) a combination of (1) and (2) above.

The permittee shall continue to comply with all applicable OAC Chapter 3745-31 requirements for all regulated air contaminent sources once this permit ceases to be enforceable. The permittee

shall comply with any residual requirements, such as quarterly deviation reports, semi-annual deviation reports, and annual compliance certifications covering the period during which this Title V permit was enforceable. All records relating to this permit must be maintained in accordance with law.
(Authority for term: OAC rule 3745-77-01(W), OAC rule 3745-77-07(A)(3)(b)(ii), OAC rule 3745-77(A)(7))

8. 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.
(Authority for term: OAC rule 3745-77-07(A)(8))

9. Marketable Permit Programs

No revision of this permit is required under any approved economic incentive, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for in this permit.
(Authority for term: OAC rule 3745-77-07(A)(9))

10. Reasonably Anticipated Operating Scenarios

The permittee is hereby authorized to make changes among operating scenarios authorized in this permit without notice to the Ohio EPA, but, contemporaneous with making a change from one operating scenario to another, the permittee must record in a log at the permitted facility the scenario under which the permittee is operating. The permit shield provided in these standard terms and conditions shall apply to all operating scenarios authorized in this permit.
(Authority for term: OAC rule 3745-77-07(A)(10))

11. Reopening for Cause

This Title V permit will be reopened prior to its expiration date under the following conditions:

a) Additional applicable requirements under the Act become applicable to one or more emissions units covered by this permit, and this permit has a remaining term of three or more years. Such a reopening shall be completed not later than eighteen (18) months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to paragraph (E)(1) of OAC rule 3745-77-08.

b) This permit is issued to an affected source under the acid rain program and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit, and shall not require a reopening of this permit.

c) The Director of the Ohio EPA or the Administrator of the U.S. EPA determines that the federally applicable requirements in this permit are based on a material mistake, or that inaccurate statements were made in establishing the emissions standards or other terms and conditions of this permit related to such federally applicable requirements.

d) The Administrator of the U.S. EPA or the Director of the Ohio EPA determines that this permit must be revised or revoked to assure compliance with the applicable requirements.

(Authority for term: OAC rules 3745-77-07(A)(12) and 3745-77-08(D))

12. Federal and State Enforceability

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

(Authority for term: OAC rule 3745-77-07(B))

13. Compliance Requirements

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

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

(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 paragraph (E) of OAC rule 3745-77-03.

(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.

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

(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.

d) Compliance certifications concerning the terms and conditions contained in this permit that are federally enforceable emission limitations, standards, or work practices, shall be submitted to the

Director (the appropriate Ohio EPA District Office or local air agency) and the Administrator of the U.S. EPA in the following manner and with the following content:

(1) Compliance certifications shall be submitted annually on a calendar year basis. The annual certification shall be submitted (i.e., postmarked) on or before April 30th of each year during the permit term.

(2) Compliance certifications shall include the following:

(a) An identification of each term or condition of this permit that is the basis of the certification.

(b) The permittee's current compliance status.

(c) Whether compliance was continuous or intermittent.

(d) The method(s) used for determining the compliance status of the source currently and over the required reporting period.

(e) Such other facts as the Director of the Ohio EPA may require in the permit to determine the compliance status of the source.

(3) Compliance certifications shall contain such additional requirements as may be specified pursuant to sections 114(a)(3) and 504(b) of the Act.

(Authority for term: OAC rules 3745-77-07(C)(1),(2),(4) and (5) and ORC section 3704.03(L))

14. Permit Shield

a) Compliance with the terms and conditions of this permit (including terms and conditions established for alternate operating scenarios, emissions trading, and emissions averaging, but excluding terms and conditions for which the permit shield is expressly prohibited under OAC rule 3745-77-07) shall be deemed compliance with the applicable requirements identified and addressed in this permit as of the date of permit issuance.

b) This permit shield provision shall apply to any requirement identified in this permit pursuant to OAC rule 3745-77-07(F)(2), as a requirement that does not apply to the source or to one or more emissions units within the source.

(Authority for term: OAC rule 3745-77-07(F))

15. Operational Flexibility

The permittee is authorized to make the changes identified in OAC rule 3745-77-07(H)(1)(a) to (H)(1)(c) within the permitted stationary source without obtaining a permit revision, if such change is not a modification under any provision of Title I of the Act [as defined in OAC rule 3745-77-01(JJ)], and does not result in an exceedance of the emissions allowed under this permit (whether expressed therein as a rate of emissions or in terms of total emissions), and the permittee provides the Administrator of the U.S. EPA and the appropriate Ohio EPA District Office or local air agency with written notification within a minimum of seven days in advance of the proposed changes, unless the change is associated with, or in response to, emergency conditions. If less than seven days notice is provided because of a need to respond more quickly to such emergency conditions, the permittee shall provide notice to the Administrator of the U.S. EPA and the appropriate District Office of the Ohio EPA or local air agency as

soon as possible after learning of the need to make the change. The notification shall contain the items required under OAC rule 3745-77-07(H)(2)(d).
(Authority for term: OAC rules 3745-77-07(H)(1) and (2))

16. Emergencies

The permittee shall have an affirmative defense of emergency to an action brought for noncompliance with technology-based emission limitations if the conditions of OAC rule 3745-77-07(G)(3) are met. This emergency defense provision is in addition to any emergency or upset provision contained in any applicable requirement.
(Authority for term: OAC rule 3745-77-07(G))

17. Off-Permit Changes

The owner or operator of a Title V source may make any change in its operations or emissions at the source that is not specifically addressed or prohibited in the Title V permit, without obtaining an amendment or modification of the permit, provided that the following conditions are met:

a) The change does not result in conditions that violate any applicable requirements or that violate any existing federally enforceable permit term or condition.

b) The permittee provides contemporaneous written notice of the change to the Director and the Administrator of the U.S. EPA, except that no such notice shall be required for changes that qualify as insignificant emissions levels or activities as defined in OAC rule 3745-77-01(U). Such written notice shall describe each such change, the date of such change, any change in emissions or pollutants emitted, and any federally applicable requirement that would apply as a result of the change.

c) The change shall not qualify for the permit shield under OAC rule 3745-77-07(F).

d) The permittee shall keep a record describing all changes made at the source that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under the permit, and the emissions resulting from those changes.

e) The change is not subject to any applicable requirement under Title IV of the Act or is not a modification under any provision of Title I of the Act.

Paragraph (I) of rule 3745-77-07 of the Administrative Code applies only to modification or amendment of the permittee's Title V permit. The change made may require a permit-to-install under Chapter 3745-31 of the Administrative Code if the change constitutes a modification as defined in that Chapter. Nothing in paragraph (I) of rule 3745-77-07 of the Administrative Code shall affect any applicable obligation under Chapter 3745-31 of the Administrative Code.
(Authority for term: OAC rule 3745-77-07(I))

18. Compliance Method Requirements

Nothing in this permit shall alter or affect the ability of any person to establish compliance with, or a violation of, any applicable requirement through the use of credible evidence to the extent authorized by law. Nothing in this permit shall be construed to waive any defenses otherwise available to the permittee, including but not limited to, any challenge to the Credible Evidence Rule (see 62 Fed. Reg. 8314, Feb. 24, 1997), in the context of any future proceeding.
(This term is provided for informational purposes only.)

19. Insignificant Activities or Emissions Levels

Each IEU that has one or more applicable requirements shall comply with those applicable requirements.
(Authority for term: OAC rule 3745-77-07(A)(1))

20. Permit to Install Requirement

Prior to the "installation" or "modification" of any "air contaminant source," as those terms are defined in OAC rule 3745-31-01, a permit to install must be obtained from the Ohio EPA pursuant to OAC Chapter 3745-31.
(Authority for term: OAC rule 3745-77-07(A)(1))

21. 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.
(Authority for term: OAC rule 3745-77-07(A)(1))

22. Permanent Shutdown of an Emissions Unit

The permittee may notify Ohio EPA of any emissions unit that is permanently shut down by submitting a certification from the responsible 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 responsible official that the emissions unit was permanently shut down.

After the date on which an emissions unit is permanently shut down (i.e., that 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 and therefore ceases to meet the definition of an "emissions unit" as defined in OAC rule 3745-77-01(O)), rendering existing permit terms and conditions irrelevant, the permittee shall not be required, after the date of the certification and submission to Ohio EPA, to meet any Title V permit requirements applicable to that emissions unit, except for any residual requirements, such as the quarterly deviation reports, semi-annual deviation reports and annual compliance certification covering the period during which the emissions unit last operated. All records relating to the shutdown emissions unit, generated while the emissions unit was in operation, must be maintained in accordance with law.

No emissions unit certified by the responsible official as being permanently shut down may resume operation without first applying for and obtaining a permit to install pursuant to OAC Chapter 3745-31.
(Authority for term: OAC rule 3745-77-01)

23. Title VI Provisions

If applicable, the permittee shall comply with the standards for recycling and reducing emissions of ozone depleting substances pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners in Subpart B of 40 CFR Part 82:

a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices specified in 40 CFR 82.156.

b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment specified in 40 CFR 82.158.

c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

(Authority for term: OAC rule 3745-77-01(H)(11))

24. Reporting Requirements Related to Monitoring and Record Keeping Requirements Under State Law Only

The permittee shall submit required reports in the following manner:

a) Reports of any required monitoring and/or record keeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.

b) Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (i) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and record keeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. In identifying each deviation, the permittee shall specify the applicable requirement for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation. 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.)

25. Records Retention Requirements Under State Law Only

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.

26. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports

pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.
(Authority for term: OAC rule 3745-77-07(C))

27. Scheduled Maintenance/Malfunction Reporting

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

28. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.
(Authority for term: OAC rule 3745-77-01(C))

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

If no emission limitation (or control requirement), operational restriction and/or control device parameter limitation 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) by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter.

The permittee is not required to submit a quarterly report which states that no deviations occurred during that quarter for the following situations:

a) where an emissions unit has deviation reporting requirements for a specific emission limitation, operational restriction, or control device parameter limitation that override the deviation reporting requirements specified in Standard Term and Condition A.2.c)(2); or

b) where an uncontrolled emissions unit has no monitoring, record keeping, or reporting requirements and the emissions unit's applicable emission limitations are established at the potentials to emit; or

c) where the company's responsible official has certified that an emissions unit has been permanently shut down.

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) 3.

2. The following insignificant emissions units at this facility must comply with all applicable State and federal regulations, as well as any emission limitations and/or control requirements contained within the identified permit to install for the emissions unit. The insignificant emissions units listed below are subject to one or more applicable requirement contained in a permit-to-install, in the SIP-approved versions of OAC Chapters 3745-17, 3745-18 and 3745-21 or in 40 CFR, Part 63, Subpart NNNN:

   a) K018 – Dry porcelain powder roundware coating line, west side

   b) K020 – Dry porcelain powder roundware coating line, east side

   c) K021– Test spray booth – new powder roundware, NE of powder room

   d) P050 – Grind and spot finish repair booth

   e) K022 – Portable hand powder spray system

   f) T011 - Porcelain fuel oil tank;

   g) P028 - Emergency power generator - north unit in powerhouse;

   h) P029 - Emergency power generator - west unit, compressor room;

   i) P030 - Emergency power generator - east unit, compressor room;

   j) P039 - Emergency generator for computer network;

   k) P123 - Plastics - Conair bulk material system (east);

   l) P124 - Plastics - Conair bulk material system (west);

   m) P125 - Plastics - Conair bulk material system (south);

   n) P126 -Plastics - tub regrind;

   o) P127 - Plastics - basket regrind

3. The following insignificant emissions units are exempt from permit requirements because they are not subject to any applicable requirements or because they meet the "de minimis" criteria established in OAC rule 3745-15-05

   a) P031 - Porcelain area sanding/grinding operations;

   b) P032 - Top coat prep area sanding;

   c) P034 - Printing (office services);

   d) T012 - West fuel oil storage tank;

e) P035 - Machine shop sanding booth;

f) K019 - Jeep painting;

g) B011 - AMU - South central part of line 7, N of line 3 crating;

h) B012 - AMU - North central part of line 7 assembly;

i) B013 - AMU - Old lower press bay over steel receiving office;

j) B014 - AMU - on roof over steel receiving bay;

k) B015 - AMU - on roof above trash compactor;

l) B016 - AMU - on roof above controlled storage;

m) B017 - AMU - on roof above receiving docks;

n) B018 - AMU - press room overhead tunnel;

o) B019 - AMU - on roof of Kolene building;

p) P036 - 113 basket blow-off booth in mill room;

q) P037 - Porcelain spray wash drying oven;

r) B020 - AMU - above porcelain spray washer (west unit);

s) B021 - AMU - above porcelain spray washer (East unit);

t) B022 - AMU - old 119 FW finish booth AMU;

u) B023 - AMU - on roof above cabinet storage area over tool room;

v) B024 - AMU - on roof above chiller room;

w) B025 - AMU - on roof, east of shipping office;

x) B026 - AMU - area ventilation, Ransburg cabinet storage area over tool room;

y) P038 - Dry-off oven for K012's metal prep system;

z) P040 - Cooling tower CT-3 (2000 ton unit);

aa) P041 - Cooling tower CT04 (1500 ton unit);

bb) P042 - Cooling tower CT-5 (1400 ton unit);

cc) P043 - Cooling tower CT-6 (2 x 300 ton units tied together);

dd) P044 - Enclosed abrasive blast booth - porcelain area;

ee) P045 - Basket crusher - porcelain area;

ff) P046 - Mill room - ball mills & feed hoppers;

gg) P047 - Vacuum system - mill room - level 2;

hh) P048 - 113 porcelain roundware - wet basket transfer station;

ii) P049 - Central vacuum system for the pyrolytic oven area;

jj) P051 - 113 basket transfer station - at furnace loading point;

kk) P052 - Hoffman vacuum cleaning system;

ll) P053 - Central vacuum system - topcoat & #3 oven cleaning;

mm) P054 - Central vacuum system - new powder system;

nn) P055 - Paint dept. maxi blaster;

oo) P056 - Central vacuum system - powder coating room;

pp) P057 - Down draft sanding table (south end);

qq) P058 - Down draft sanding table (east unit - side B);

rr) P059 - Down draft sanding table (west unit - side A);

ss) P060 – Central vacuum system for powdered porcelain area;

tt) P061 - Oasis laser weld stations;

uu) P062 - Oasis basket bowl bore;

vv) P063 - RWC line 1 - tub support line;

ww) P064 - RWC line 2 - tub support line;

xx) P065 - RWC line 3 - tub support line;

yy) P066 - Base weld line 1;

zz) P067 - Base weld line 2;

aaa) P068 - Base weld line 3;

bbb) P069 - Plastics - #20 Van Dorn 1500T injection molding machine;

ccc) P070- Plastics - #21 Van Dorn 1500T injection molding machine;

ddd) P071 - Plastics - #22 Van Dorn 1500T injection molding machine;

eee) P072 - Plastics - #23 Van Dorn 1500T injection molding machine;

fff) P073 - Plastics - #27 Milacron 2000T injection molding machine;

ggg) P074 - Plastics - #28 Milacron 2450T injection molding machine;

hhh) P075 - Plastics - #29 Milacron 1500T injection molding machine;

iii) P076 - Plastics - #53 Milacron 1500T injection molding machine;

jjj) P077 - Plastics - #54 Milacron 1500T injection molding machine;

kkk) P078 - Plastics - #55 Milacron 1500T injection molding machine;

lll) P079 - Plastics - #56 Milacron 1500T injection molding machine;

mmm) P080 - Plastics - #57 Milacron 1500T injection molding machine;

nnn) P081 - Plastics - #58 Milacron 1500T injection molding machine;

ooo) P082 - Plastics - #59 Husky injection molding machine;

ppp) P083 - Plastics - #60 Husky injection molding machine;

qqq) P084 - Plastics - #61 Husky 1815T injection molding machine;

rrr) P085 - Plastics - #62 Milacron 1760T injection molding machine;

sss) P086 - Plastics - #63 Milacron 1760T injection molding machine;

ttt) P087 - Plastics - #64 Milacron 1760T injection molding machine;

uuu) P088 - Plastics - #65 Milacron 1500T injection molding machine;

vvv) P089 - Plastics - #66 Milacron 1500T injection molding machine;

www) P090 - Plastics - #67 Milacron 1500T injection molding machine;

xxx) P091 - Plastics - #68 Milacron 1500T injection molding machine;

yyy) P092 - Plastics - #69 Milacron 1500T injection molding machine;

zzz) P093 - Plastics - #70 Milacron 1500t injection molding machine;

aaaa) P094 - Gear case parts washer;

bbbb) P095 - Gear washer (main drive gear);

cccc) P096 - #10 Acme-Gridley;

dddd) P097 - #17 Acme-Gridley;

eeee) P098 - #16 Acme-Gridley;

ffff) P099 - #8 Acme-Gridley;

gggg) P100 - #9 Acme-Gridley;

hhhh) P101 - #11 Acme-Gridley;

iiii) P102 - #12 Acme-Gridley;

jjjj) P103 - #6 Acme-Gridley;

kkkk) P104 - #14 Acme-Gridley;

llll) P105 - #15 Acme-Gridley;

mmmm) P106 - #7 Acme-Gridley;

nnnn) P107 - #13 Acme-Gridley;

oooo) B027 - AMU - GBV above powder coat metal prep system;

pppp) B028 - AMU - above old 119 flatware GC spray booth;

qqqq) P108- Sub-assembly welding operations;

rrrr) P109 - Uni-hone abrasive blaster;

ssss) P110 - Grinding booth near 108 press;

tttt) P111 - Tool and die area;

uuuu) P112 - 24" basket weld mini line (southwest press area);

vvvv) P113 - 27" basket line #5 V&O;

wwww) P114 - 27" basket line #6 V&O;

xxxx) P115 - 27"basket welding operations;

yyyy) P116 - 24" basket welding operations;

zzzz) P117 - 24" basket line V&O;

aaaaa) P118 - 24" basket hand line V&O;

bbbbb) P119 - Plastics - #24 Van Dorn 2200T injection molding machine;

ccccc) P120 - Plastics - #25 Milacron 2000T injection molding machine;

ddddd) P121 - Plastics - #26 Milacron 2000T injection molding machine;

eeeee) P122 – 113 Test spray booth in mill room

fffff) P128 - Metal machining units - venting to Cycoil skimmer;

ggggg) F001 - Facility roadways;

hhhhh) P129 - Wastewater treatment

iiiii) P130 – Vanguard SS basket welding line

jjjjj) P131 – New 27" basket weld line

kkkkk) P132 – Plastics - #18 Milacron 2000T injection molding machine

lllll) P133 – Plastics - #19 Milacron 2000T injection molding machine

mmmmm) B029 – AMU – on roof above Alpha powder system

nnnnn) P134 – Central vacuum system – Alpha powder area

4. The following emissions units contained in this permit are subject to 40 CFR Part 63, Subpart NNNN, National Emission Standards for Hazardous Air Pollutants for Large Appliances Surface Coating Operations: B006, B007, K005, K009, K010, K011, K012, K014, K015, K016 and K017. The complete MACT requirements, including the MACT General Provisions may be accessed via the internet from the Electronic Code of Federal Regulations (e-CFR) website http://ecfr.gpoaccess.gov or by contacting the appropriate Ohio EPA District office or local air agency.

[40 CFR Part 63, Subpart NNNN]

C. Emissions Unit Terms and Conditions

1. B002, Boiler 2

Operations, Property and/or Equipment Description:

Natural gas fired boiler with fuel oil serving as backup.

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) None.

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 3745-17-07(A)	Visible emissions shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.
b.	OAC 3745-17-10(B)(1)	0.020 lb PE per mmBtu of actual heat input
c.	OAC 3745-18-06 (D)	1.6 lb SO2 per mmBtu of actual heat input.
d.	40 CFR 63.52(a)(2)	See b)(2)a.

(2) Additional Terms and Conditions

a. This emissions unit is subject to a case-by-case MACT determination pursuant to section 112(j) of the Clean Air Act (CAA) due to the June 8, 2007 D.C. Circuit Court of Appeals decision to vacate the Boiler MACT (40 CFR Part 63, Subpart DDDDD).

If notified by the Ohio EPA or U.S. EPA, the permittee shall submit an application for a revision to this Title V permit that meets the requirements of 40 CFR 63.52(a)(2) pertaining to case-by-case MACT determinations. The 30-day clock for submittal of a 112(j) application does not begin until such notification is made by Ohio EPA or U.S. EPA.

c) Operational Restrictions

(1) The quality of oil burned in this emissions unit shall meet a sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 1.6 lbs sulfur dioxide/mmBtu actual heat input.

Compliance with the above-mentioned specification shall be determined in accordance with the monitoring and recording keeping requirements in Section d)(1).

[OAC rule 3745-77-07(A)(1)]

(2) The permittee shall burn only natural gas, and/or #2 fuel oil in this emissions unit.

[OAC rule 3745-77-07(A)(1)]

d) Monitoring and/or Recordkeeping Requirements

(1) For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F). A shipment may be comprised of multiple tank truck loads from the same supplier's batch, or may be represented by single or multiple pipeline deliveries from the same supplier's batch, and the quality of the oil for those loads or pipeline deliveries may be represented by a single batch analysis from the supplier.

The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with 40 CFR Part 60, Appendix A, Method 19, or the appropriate ASTM methods, such as D240 "Standard Test Method for Heat of Combustion of Liquid Hydrocarbon Fuels by Bomb Calorimeter" and D4294, "Standard Test Method for Sulfur in Petroleum and Petroleum Products by Energy-Dispersive X-Ray Fluorescence Spectrometry", or equivalent methods as approved by the director.

[OAC rule 3745-77-07(C)(1)]

(2) For each day during which the permittee burns a fuel other than natural gas, and/or #2 fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

[OAC rule 3745-77-07(C)(1)]

e) Reporting Requirements

(1) The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas, and/or #2 fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

[OAC rule 3745-77-07(C)(1)]

(2) The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any record which shows a deviation from the allowable sulfur dioxide limitation contained in this permit, based on the sulfur dioxide emission rates calculated in accordance with the formula specified in OAC rule 3745-18-04(F). The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 45 days after the deviation occurs.

[OAC rule 3745-77-07(C)(1)]

(3) All reports shall be submitted, electronically through Ohio EPA Air Services.

[OAC rule 3745-15-03(B)(1)(b) and OAC rule 3745-15-03(C)]

f) Testing Requirements

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

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

Applicable Compliance Method: If required, compliance with the visible emissions limitation above shall be determined in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

[OAC rule 3745-77-07(C)(1)]

b. Emission Limitation: 0.020 lb PE/mmBtu of actual heat input

Applicable Compliance Method: When firing natural gas, the permittee may demonstrate compliance with this limitation by multiplying the maximum hourly natural gas consumption rate (mm cu. ft/hr) by the emission factor from AP-42, Table 1.4-2 (revised 7/98) of 1.9 lbs PE (filterable)/mm cu. ft, and then dividing by the maximum heat input capacity of the boiler (mmBtu/hr).

When firing #2 fuel oil, and/or a combination of #2 fuel oil and natural gas, the permittee may determine compliance by multiplying the maximum hourly fuel oil consumption rate (gallons/hr) by the emission factor from AP-42, Table 1.3-1 (revised 9/98) of 2.0 lbs PE (filterable)/1,000 gallons of oil used, and then dividing by the maximum heat input capacity of the boiler (mmBtu/hr).

If required, compliance with the lb/mmBtu PE limitation shall be determined in accordance with the methods specified in OAC rule 3745-17-03(B)(9).

[OAC rule 3745-77-07(C)(1)]

c. Emission Limitation: 1.6 pounds sulfur dioxide/mmBtu of actual heat input

Applicable Compliance Method: When firing fuel oil, except as provided below, compliance with the allowable sulfur dioxide emission limitation may be demonstrated by documenting that the sulfur content of each shipment of oil received or each daily sample collected during a calendar month meets the limitation.

If the sulfur content of each shipment of oil received during a calendar month does not comply with the allowable emission limitation on an "as-received" basis, compliance with the allowable sulfur dioxide emission limitation shall be based upon an average for the calendar month of the calculated sulfur dioxide emission rates for all of the shipments during the calendar month.

When firing natural gas, compliance with this limitation will be assumed due to the negligible percent sulfur, by weight, in the fuel.

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

[OAC rule 3745-77-07(C)(1)]

g) Miscellaneous Requirements

(1) None.

2. B003, Boiler 1

Operations, Property and/or Equipment Description:

Natural gas fired boiler with fuel oil serving as backup.

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) None.

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 3745-17-07(A)	Visible PE shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.
b.	OAC 3745-17-10(B)(1)	0.020 lb PE per mmBtu of actual heat input.
c.	OAC 3745-18-06 (D)	1.6 lb SO2 per mmBtu of actual heat input
d.	40 CFR 63.52(a)(2)	See b)(2)a.

(2) Additional Terms and Conditions

a. This emissions unit is subject to a case-by-case MACT determination pursuant to section 112(j) of the Clean Air Act (CAA) due to the June 8, 2007 D.C. Circuit Court of Appeals decision to vacate the Boiler MACT (40 CFR Part 63, Subpart DDDDD).

If notified by the Ohio EPA or U.S. EPA, the permittee shall submit an application for a revision to this Title V permit that meets the requirements of 40 CFR 63.52(a)(2) pertaining to case-by-case MACT determinations. The 30-day clock for submittal of a 112(j) application does not begin until such notification is made by Ohio EPA or U.S. EPA.

c) Operational Restrictions

(1) The quality of oil burned in this emissions unit shall meet a sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 1.6 lbs sulfur dioxide/mmBtu actual heat input.

Compliance with the above-mentioned specification shall be determined in accordance with the monitoring and recording keeping requirements in Section d)(1).

[OAC rule 3745-77-07(A)(1)]

(2) The permittee shall burn only natural gas, and/or #2 fuel oil in this emissions unit.

[OAC rule 3745-77-07(A)(1)]

d) Monitoring and/or Recordkeeping Requirements

(1) For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F). A shipment may be comprised of multiple tank truck loads from the same supplier's batch, or may be represented by single or multiple pipeline deliveries from the same supplier's batch, and the quality of the oil for those loads or pipeline deliveries may be represented by a single batch analysis from the supplier.

The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with 40 CFR Part 60, Appendix A, Method 19, or the appropriate ASTM methods, such as D240 "Standard Test Method for Heat of Combustion of Liquid Hydrocarbon Fuels by Bomb Calorimeter" and D4294, "Standard Test Method for Sulfur in Petroleum and Petroleum Products by Energy-Dispersive X-Ray Fluorescence Spectrometry", or equivalent methods as approved by the director.

[OAC rule 3745-77-07(C)(1)]

(2) For each day during which the permittee burns a fuel other than natural gas and/or #2 fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

[OAC rule 3745-77-07(C)(1)]

e) Reporting Requirements

(1) The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas and/or #2 fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

[OAC rule 3745-77-07(C)(1)]

(2) The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any record which shows a deviation from the allowable sulfur dioxide limitation contained in this permit, based on the sulfur dioxide emission rates calculated in accordance with the formula specified in OAC rule 3745-18-04(F). The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 45 days after the deviation occurs.

[OAC rule 3745-77-07(C)(1)]

(3) All reports shall be submitted, electronically through Ohio EPA Air Services.

[OAC rule 3745-15-03(B)(1)(b) and OAC rule 3745-15-03(C)]

f) Testing Requirements

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

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

Applicable Compliance Method: If required, compliance with the visible emissions limitation above shall be determined in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

[OAC rule 3745-77-07(C)(1)]

b. Emission Limitation: 0.020 lb PE/mmBtu of actual heat input

Applicable Compliance Method: When firing natural gas, the permittee may demonstrate compliance with this limitation by multiplying the maximum hourly natural gas consumption rate (mm cu. ft/hr) by the emission factor from AP-42, Table 1.4-2 (revised 7/98) of 1.9 lbs PE (filterable)/mm cu. ft, and then dividing by the maximum heat input capacity of the boiler (mmBtu/hr).

When firing #2 fuel oil, and/or a combination of #2 fuel oil and natural gas, the permittee may determine compliance by multiplying the maximum hourly fuel oil consumption rate (gallons/hr) by the emission factor from AP-42, Table 1.3-1 (revised 9/98) of 2.0 lbs PE (filterable)/1,000 gallons of oil used, and then dividing by the maximum heat input capacity of the boiler (mmBtu/hr).

If required, compliance with the lb/mmBtu PE limitation shall be determined in accordance with the methods specified in OAC rule 3745-17-03(B)(9).

[OAC rule 3745-77-07(C)(1)]

c. Emission Limitation: 1.6 pounds sulfur dioxide/mmBtu of actual heat input

Applicable Compliance Method: When firing fuel oil, except as provided below, compliance with the allowable sulfur dioxide emission limitation may be demonstrated by documenting that the sulfur content of each shipment of oil received or each daily sample collected during a calendar month meets the limitation.

If the sulfur content of each shipment of oil received during a calendar month does not comply with the allowable emission limitation on an "as-received" basis, compliance with the allowable sulfur dioxide emission limitation shall be based upon an average for the calendar month of the calculated sulfur dioxide emission rates for all of the shipments during the calendar month

When firing natural gas, compliance with this limitation will be assumed due to the negligible percent sulfur, by weight, in the fuel.

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

[OAC rule 3745-77-07(C)(1)]

g) Miscellaneous Requirements

(1) None.

3. B004, Boiler 3

Operations, Property and/or Equipment Description:

Natural gas fired boiler with fuel oil serving as backup.

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) None.

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 3745-17-07(A)	Visible PE shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.
b.	OAC 3745-17-10(B)(1)	0.020 lb PE per mmBtu of actual heat input
c.	OAC 3745-18-06 (D)	1.6 lb SO2 per mmBtu of actual heat input
d.	40 CFR 63.52(a)(2)	See b)(2)a.

(2) Additional Terms and Conditions

a. This emissions unit is subject to a case-by-case MACT determination pursuant to section 112(j) of the Clean Air Act (CAA) due to the June 8, 2007 D.C. Circuit Court of Appeals decision to vacate the Boiler MACT (40 CFR Part 63, Subpart DDDDD).

If notified by the Ohio EPA or U.S. EPA, the permittee shall submit an application for a revision to this Title V permit that meets the requirements of 40 CFR 63.52(a)(2) pertaining to case-by-case MACT determinations. The 30-day clock for submittal of a 112(j) application does not begin until such notification is made by Ohio EPA or U.S. EPA.

c) Operational Restrictions

(1) The quality of oil burned in this emissions unit shall meet a sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 1.6 lbs sulfur dioxide/mmBtu actual heat input.

Compliance with the above-mentioned specification shall be determined in accordance with the monitoring and recording keeping requirements in Section d)(1).

[OAC rule 3745-77-07(A)(1)]

(2) The permittee shall burn only natural gas and/or #2 fuel oil in this emissions unit.

[OAC rule 3745-77-07(A)(1)]

d) Monitoring and/or Recordkeeping Requirements

(1) For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F). A shipment may be comprised of multiple tank truck loads from the same supplier's batch, or may be represented by single or multiple pipeline deliveries from the same supplier's batch, and the quality of the oil for those loads or pipeline deliveries may be represented by a single batch analysis from the supplier.

The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with 40 CFR Part 60, Appendix A, Method 19, or the appropriate ASTM methods, such as D240 "Standard Test Method for Heat of Combustion of Liquid Hydrocarbon Fuels by Bomb Calorimeter" and D4294, "Standard Test Method for Sulfur in Petroleum and Petroleum Products by Energy-Dispersive X-Ray Fluorescence Spectrometry", or equivalent methods as approved by the director.

[OAC rule 3745-77-07(C)(1)]

(2) For each day during which the permittee burns a fuel other than natural gas and/or #2 fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

[OAC rule 3745-77-07(C)(1)]

e) Reporting Requirements

(1) The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas and/or #2 fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

[OAC rule 3745-77-07(C)(1)]

(2) The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any record which shows a deviation from the allowable sulfur dioxide limitation contained in this permit, based on the sulfur dioxide emission rates calculated in accordance with the formula specified in OAC rule 3745-18-04(F). The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 45 days after the deviation occurs.

[OAC rule 3745-77-07(C)(1)]

(3) All reports shall be submitted, electronically through Ohio EPA Air Services.

[OAC rule 3745-15-03(B)(1)(b) and OAC rule 3745-15-03(C)]

f) Testing Requirements

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

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

Applicable Compliance Method: If required, compliance with the visible emissions limitation above shall be determined in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

[OAC rule 3745-77-07(C)(1)]

b. Emission Limitation: 0.020 lb PE/mmBtu of actual heat input

Applicable Compliance Method: When firing natural gas, the permittee may demonstrate compliance with this limitation by multiplying the maximum hourly natural gas consumption rate (mm cu. ft/hr) by the emission factor from AP-42, Table 1.4-2 (revised 7/98) of 1.9 lbs PE (filterable)/mm cu. ft, and then dividing by the maximum heat input capacity of the boiler (mmBtu/hr).

When firing #2 fuel oil, and/or a combination of #2 fuel oil and natural gas, the permittee may determine compliance by multiplying the maximum hourly fuel oil consumption rate (gallons/hr) by the emission factor from AP-42, Table 1.3-1 (revised 9/98) of 2.0 lbs PE (filterable)/1,000 gallons of oil used, and then dividing by the maximum heat input capacity of the boiler (mmBtu/hr).

If required, compliance with the lb/mmBtu PE limitation shall be determined in accordance with the methods specified in OAC rule 3745-17-03(B)(9).

[OAC rule 3745-77-07(C)(1)]

c. Emission Limitation: 1.6 pounds sulfur dioxide/mmBtu of actual heat input

Applicable Compliance Method: When firing fuel oil, except as provided below, compliance with the allowable sulfur dioxide emission limitation may be demonstrated by documenting that the sulfur content of each shipment of oil received or each daily sample collected during a calendar month meets the limitation.

If the sulfur content of each shipment of oil received during a calendar month does not comply with the allowable emission limitation on an "as-received" basis, compliance with the allowable sulfur dioxide emission limitation shall be based upon an average for the calendar month of the calculated sulfur dioxide emission rates for all of the shipments during the calendar month.

When firing natural, compliance with this limitation will be assumed due to the negligible percent sulfur, by weight, in the fuel.

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

[OAC rule 3745-77-07(C)(1)]

g) Miscellaneous Requirements

(1) None.

4. B006, Porcelain 119 Flatware Furnace

Operations, Property and/or Equipment Description:

Wet and/or powdered porcelain parts are conveyed to the 119 furnace for firing. The furnace heat source is an indirectly fired operation.

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) None.

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 3745-17-07(A)	Visible particulate emissions (PE) shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.
b.	OAC rule 3745-17-10(B)(1)	0.020 lb PE/mmBtu of actual heat input
c.	OAC rule 3745-21-08(B)	See b)(2)b.
d.	OAC rule 3745-31-05(A)(3) (PTI 03-7624, issued 12/29/93)	4.44 lbs particulate emissions (PE)/day, 0.81 ton PE/year 25.9 lbs nitrogen oxides (NOx)/day, 4.7 tons NOx/year 10.4 lbs carbon monoxide (CO)/day, 1.8 tons CO/year The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A), 3745-17-10(B) and OAC rule 3745-21-08(B).
e.	OAC rule 3745-18-06 (D)	See b)(2)a.
f.	40 CFR Part 63, Subpart NNNN	See 40 CFR Part 63.4090(a) Organic hazardous air pollutants shall not exceed 0.13 kg/liter (1.1 lbs/gal) of coating solids used in the affected

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		source during each compliance period (monthly). See b)(2)c.
g.	40 CFR 63.52(a)(2)	See b)(2)d.

(2) Additional Terms and Conditions

a. Since natural gas is the only fuel fired in this emissions unit, no SO2 emission limitation is established pursuant to OAC rule 3745-18-06(A) for this emissions unit.

b. The permittee has satisfied the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05 (A)(3) in this permit to install.

This regulation does not specify emission limitations for units that only fire natural gas. On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. However, that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-21-08, the requirement to satisfy the "best available control techniques.

c. The permittee shall comply with the emission limitation for the affected source of which this emissions unit is a component by using one of the two compliance options below:

63.4091(a) - compliant material option

63.4091(b) - emission rate without add-on controls option

d. This emissions unit is subject to a case-by-case MACT determination pursuant to section 112(j) of the Clean Air Act (CAA) due to the June 8, 2007 D.C. Circuit Court of Appeals decision to vacate the Boiler MACT (40 CFR Part 63, Subpart DDDDD).

If notified by the Ohio EPA or U.S. EPA, the permittee shall submit an application for a revision to this Title V permit that meets the requirements of 40 CFR 63.52(a)(2) pertaining to case-by-case MACT determinations. The 30-day clock for submittal of a 112(j) application does not begin until such notification is made by Ohio EPA or U.S. EPA.

c) Operational Restrictions

(1) The permittee shall burn only natural gas in this emissions unit.

[OAC rule 3745-77-07(A)(1)]

d) Monitoring and/or Recordkeeping Requirements

(1) For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain record of the type of fuel burned in this emissions unit.

[OAC rule 3745-77-07(C)(1)]

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

63.4130(c)(1) - determination of organic HAP content for each coating according to 63.4141(d) for compliant material option

63.4130)(c)(2) - calculations of total organic HAP emissions, organic HAP in waste material (if applicable), volume of coating solids used each month and organic HAP emission rate

[OAC rule 3745-77-07(C)(1) and 40 CFR Part 63, Subpart NNNN]

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

[OAC rule 3745-77-07(C)(1)]

(2) The permittee shall submit semiannual reports and such other notifications and reports to the appropriate Ohio EPA District office or local air agency as are required pursuant to 40 CFR Part 63, Subpart NNNN, per the following sections:

63.4120(a) - semiannual compliance report

[OAC rule 3745-77-07(C)(1) and 40 CFR Part 63, Subpart NNNN]

(3) All reports shall be submitted, electronically through Ohio EPA Air Services.

[OAC rule 3745-15-03(B)(1)(b) and OAC rule 3745-15-03(C)]

f) Testing Requirements

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

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

Applicable Compliance Method: If required, compliance with the visible PE limitation shall be determined in accordance with the methods specified in OAC rule 3745-17-03(B)(1)

[OAC rule 3745-77-07(C)(1)]

b. Emission Limitation: 0.020 pound PE/mmBtu of actual heat input

Applicable Compliance Method: The permittee may determine compliance with this limitation by multiplying the maximum hourly natural gas consumption rate (mm cu. ft/hr) by the emission factor from AP-42, Table 1.4-2 (revised 7/98) of 1.9 lbs PE (filterable)/mm cu. ft, and then dividing by the maximum heat input capacity of the boiler (mmBtu/hr).

If required, compliance with the PE limitation shall be determined in accordance with the methods specified in OAC rule 3745-17-03(B)(9).

[OAC rule 3745-77-07(C)(1)]

c. Emission Limitation: 4.44 lb PE/day, 0.81 tons PE/yr

Applicable Compliance Method: The permittee may determine compliance with the PE limitation by multiplying the maximum hourly natural gas consumption rate (mm cu. ft/hr) by the emission factor from AP-42, Table 1.4-2 (revised 7/98) of 1.9 lbs PE (filterable)/mm cu. ft, and then multiplying by 24.

Compliance with the annual limitation shall be assumed as long as compliance with the daily limitation is maintained (the annual limitation was calculated by multiplying the daily emission limitation by 365 and dividing by 2000).

If required, the permittee shall demonstrate compliance by testing in accordance with Methods 1 - 5 of 40 CFR Part 60, Appendix A.

[OAC rule 3745-77-07(C)(1)]

d. Emission Limitation: 25.9 lbs NOx/day, 4.7 tons NOx/yr

Applicable Compliance Method: The permittee may determine compliance with the hourly allowable NOx emission limitation by multiplying the maximum hourly natural gas consumption rate (mm cu. ft/hr) by the emission factor from AP-42, Table 1.4-1 (revised 7/98) of 100 lbs NOx/mm cu. ft, and then multiplying by 24.

Compliance with the annual emission limitation shall be assumed as long as compliance with the daily emission limitation is maintained (the annual emission limitation was calculated by multiplying the hourly emission limitation by 8760 and dividing by 2000).

If required, compliance with the hourly allowable NOx emission limitation above shall be determined in accordance with Methods 1 through 4 and 7 of 40 CFR, Part 60, Appendix A.

[OAC rule 3745-77-07(C)(1)]

e. Emission Limitation: 10.4 lbs CO/day; 1.8 tons CO/yr

Applicable Compliance Method: Compliance with the daily CO emission limitation may be determined by multiplying the AP-42, Section 1.4 (revised 7/98) emission factor of 84 lbs CO/mmcu.ft. of natural gas by the maximum hourly natural gas burning capacity of the emissions unit (mm cu.ft/hr), and then multiplying by 24.

Compliance with the annual limitation shall be assumed as long as compliance with the daily emission limitation is maintained (the annual limitation was calculated by multiplying the daily emission limitation by 365 and dividing by 2000).

[OAC rule 3745-77-07(C)(1)]

f. Emission Limitation: Organic hazardous air pollutants shall not exceed 0.13 kg/liter (1.1 lbs/gal) of coating solids used in the affected source during each compliance period (monthly).

Applicable Compliance Method:

Compliant coating option: Compliance shall be demonstrated in accordance with 63.4140(d) - Equation 2

Emission rate without add-on control option: Compliance shall be demonstrated in accordance with 63.4151 - Equations 1 and 1A through 1C and, if applicable 63.4151(e)(4); 63.4151 - Equation 2; and 63.4151 Equation 3.

[OAC rule 3745-77-07(C)(1) and 40 CFR Part 63, Subpart NNNN]

g) Miscellaneous Requirements

(1) None.

5. B007, Porcelain 113 Roundware Furnace

Operations, Property and/or Equipment Description:

Wet porcelain, stipple coated, and powdered porcelain parts are conveyed to the 113 furnace for firing. The furnace heat source is an indirectly fired operation.

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) None.

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 3745-17-07(A)	Visible particulate emissions (PE) shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.
b.	OAC rule 3745-17-10(B)(1)	0.020 lb PE/mmBtu of actual heat input
c.	OAC rule 3745-21-08(B)	See b)(2)b.
d.	OAC rule 3745-31-05 (PTI#03-6632, issued 7/29/92)	0.89 lb nitrogen oxides (NOx)/hr, 3.89 tons NOx/yr 0.16 lb PE/hr, 0.68 ton PE/yr The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A), 3745-17-10(B) and 3745-21-08(B).
e.	OAC rule 3745-18-06 (D)	See b)(2)a.
f.	40 CFR Part 63, Subpart NNNN	See 40 CFR Part 63.4090(a) Organic hazardous air pollutants shall not exceed 0.13 kg/liter (1.1 lbs/gal) of coating solids used in the affected source during each compliance period (monthly). See b)(2)c.
g.	40 CFR 63.52(a)(2)	See b)(2)d.

(2) Additional Terms and Conditions

a. Since natural gas is the only fuel fired in this emissions unit, no SO2 emission limitation is established pursuant to OAC rule 3745-18-06(A) for this emissions unit.

b. The permittee has satisfied the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05 (A)(3) in this permit to install.

This regulation does not specify emission limitations for units that only fire natural gas. On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. However, that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-21-08, the requirement to satisfy the "best available control techniques.

c. The permittee shall comply with the emission limitation for the affected source of which this emissions unit is a component by using one of the two compliance options below:

63.4091(a) - compliant material option

63.4091(b) - emission rate without add-on controls option

d. This emissions unit is subject to a case-by-case MACT determination pursuant to section 112(j) of the Clean Air Act (CAA) due to the June 8, 2007 D.C. Circuit Court of Appeals decision to vacate the Boiler MACT (40 CFR Part 63, Subpart DDDDD).

If notified by the Ohio EPA or U.S. EPA, the permittee shall submit an application for a revision to this Title V permit that meets the requirements of 40 CFR 63.52(a)(2) pertaining to case-by-case MACT determinations. The 30-day clock for submittal of a 112(j) application does not begin until such notification is made by Ohio EPA or U.S. EPA.

c) Operational Restrictions

(1) The permittee shall burn only natural gas in this emissions unit.

[OAC rule 3745-77-07(A)(1)]

d) Monitoring and/or Recordkeeping Requirements

(1) For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain record of the type of fuel burned in this emissions unit.

[OAC rule 3745-77-07(C)(1)]

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

63.4130(c)(1) - determination of organic HAP content for each coating according to 63.4141(d) for compliant material option

63.4130)(c)(2) - calculations of total organic HAP emissions, organic HAP in waste material (if applicable), volume of coating solids used each month and organic HAP emission rate

[OAC rule 3745-77-07(C)(1) and 40 CFR Part 63, Subpart NNNN]

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

[OAC rule 3745-77-07(C)(1)]

(2) The permittee shall submit semiannual reports and such other notifications and reports to the appropriate Ohio EPA District office or local air agency as are required pursuant to 40 CFR Part 63, Subpart NNNN, per the following sections:

63.4120(a) - semiannual compliance report

[OAC rule 3745-77-07(C)(1) and 40 CFR Part 63, Subpart NNNN]

(3) All reports shall be submitted, electronically through Ohio EPA Air Services.

[OAC rule 3745-15-03(B)(1)(b) and OAC rule 3745-15-03(C)]

f) Testing Requirements

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

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

Applicable Compliance Method: If required, compliance with the visible PE limitation shall be determined in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

[OAC rule 3745-77-07(C)(1)]

b. Emission Limitation: 0.020 pound PE/mmBtu of actual heat input

Applicable Compliance Method: The permittee may determine compliance with this limitation by multiplying the maximum hourly natural gas consumption rate (mm cu. ft/hr) by the emission factor from AP-42, Table 1.4-2 (revised 7/98) of

1.9 lbs PE (filterable)/mm cu. ft, and then dividing by the maximum heat input capacity of the boiler (mmBtu/hr).

If required, compliance with the PE limitation shall be determined in accordance with the methods specified in OAC rule 3745-17-03(B)(9).

[OAC rule 3745-77-07(C)(1)]

c. Emission Limitation: 0.89 lbs NOx/hr, 3.89 tons NOx/yr

Applicable Compliance Method: The permittee may determine compliance with the hourly allowable NOx emission limitation by multiplying the maximum hourly natural gas consumption rate (mm cu. ft/hr) by the emission factor from AP-42, Table 1.4-1 (revised 7/98) of 100 lbs NOx/mm cu. ft.

Compliance with the annual emission limitation shall be assumed as long as compliance with the hourly emission limitation is maintained (the annual emission limitation was calculated by multiplying the hourly emission limitation by 8760 and dividing by 2000).

If required, compliance with the hourly allowable NOx emission limitation above shall be determined in accordance with Methods 1 through 4 and 7 of 40 CFR, Part 60, Appendix A.

[OAC rule 3745-77-07(C)(1)]

d. Emission Limitation: 0.16 lb PE/hr, 0.68 ton PE/yr

Applicable Compliance Method: The permittee may determine compliance with the PE limitation by multiplying the maximum hourly natural gas consumption rate (mm cu. ft/hr) by the emission factor from AP-42, Table 1.4-2 (revised 7/98) of 1.9 lbs PE (filterable)/mm cu. ft.

Compliance with the annual limitation shall be assumed as long as compliance with the hourly limitation is maintained (the annual limitation was calculated by multiplying the daily emission limitation by 365 and dividing by 2000).

If required, the permittee shall demonstrate compliance by testing in accordance with Methods 1 - 5 of 40 CFR Part 60, Appendix A.

[OAC rule 3745-77-07(C)(1)]

e. Emissions Limitation: Organic hazardous air pollutants shall not exceed 0.13 kg/liter (1.1 lbs/gal) of coating solids used in the affected source during each compliance period (monthly).

Applicable Compliance Method:

Compliant coating option: Compliance shall be demonstrated in accordance with 63.4140(d) - Equation 2

Emission rate without add-on control option: Compliance shall be demonstrated in accordance with 63.4151 - Equations 1 and 1A through 1C and, if applicable 63.4151(e)(4); 63.4151 - Equation 2; and 63.4151 Equation 3.

[OAC rule 3745-77-07(C)(1) and 40 CFR Part 63, Subpart NNNN]

g) Miscellaneous Requirements

(1) None.

6. B008, AMU - Wet RoundWare (111) - Basket Dip Area

Operations, Property and/or Equipment Description:

Air makeup unit for heating fresh air entering the building and space heating - 10 MMBtu/hr.

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) None.

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 3745-17-07(A)	See b)(2)a.
b.	OAC rule 3745-17-11(B)(1)	See b)(2)b.
c.	OAC rule 3745-18-06(E)	exempt, pursuant to OAC rule 3745-18-06(C) [See b)(2)c.]
d.	40 CFR 63.52(a)(2)	See b)(2)d.

(2) Additional Terms and Conditions

a. This emissions unit is exempt from the visible emissions limitations specified in OAC rule 3745-17-07(A), pursuant to OAC rule 3745-17-07(A)(3)(h), because OAC rule 3745-17-11 is not applicable.

b. The uncontrolled mass rate of particulate emissions from this emissions unit is less than 10 lbs/hr. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(ii), Figure II of OAC rule 3745-17-11 does not apply. Also, this emissions unit has a process weight rate of zero since per OAC rule 3745-17-11(A)(4) process weight rate does not include liquid or gaseous fuels. Therefore, Table I of OAC rule 3745-17-11 does not apply.

c. The process weight rate of this emissions unit is less than 1000 pounds/hr because natural gas is the only fuel fired in this emissions unit.

d. This emissions unit is subject to a case-by-case MACT determination pursuant to section 112(j) of the Clean Air Act (CAA) due to the June 8, 2007 D.C. Circuit Court of Appeals decision to vacate the Boiler MACT (40 CFR Part 63, Subpart DDDDD).

If notified by the Ohio EPA or U.S. EPA, the permittee shall submit an application for a revision to this Title V permit that meets the requirements of 40 CFR 63.52(a)(2) pertaining to case-by-case MACT determinations. The 30-day clock

for submittal of a 112(j) application does not begin until such notification is made by Ohio EPA or U.S. EPA.

c) Operational Restrictions

(1) The permittee shall burn only natural gas in this emissions unit.

[OAC rule 3745-77-07(A)(1)]

d) Monitoring and/or Recordkeeping Requirements

(1) For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain record of the type of fuel burned in this emissions unit.

[OAC rule 3745-77-07(C)(1)]

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

[OAC rule 3745-77-07(C)(1)]

(2) All reports shall be submitted, electronically through Ohio EPA Air Services.

[OAC rule 3745-15-03(B)(1)(b) and OAC rule 3745-15-03(C)]

f) Testing Requirements

(1) None

g) Miscellaneous Requirements

(1) None.

7. B009, AMU - Old Ransburg Area

Operations, Property and/or Equipment Description:

Air makeup unit for heating fresh air entering the building and space heating - 15 MMBtu/hr.

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) None.

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 3745-17-07(A)	See b)(2)a.
b.	OAC rule 3745-17-11(B)(1)	See b)(2)b.
c.	OAC rule 3745-18-06(E)	exempt, pursuant to OAC rule 3745-18-06(C) [See b)(2)c.]
d.	40 CFR 63.52(a)(2)	See b)(2)d.

(2) Additional Terms and Conditions

a. This emissions unit is exempt from the visible emissions limitations specified in OAC rule 3745-17-07(A), pursuant to OAC rule 3745-17-07(A)(3)(h), because OAC rule 3745-17-11 is not applicable.

b. The uncontrolled mass rate of particulate emissions from this emissions unit is less than 10 lbs/hr. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(ii), Figure II of OAC rule 3745-17-11 does not apply. Also, this emissions unit has a process weight rate of zero since per OAC rule 3745-17-11(A)(4) process weight rate does not include liquid or gaseous fuels. Therefore, Table I of OAC rule 3745-17-11 does not apply.

c. The process weight rate of this emissions unit is less than 1000 pounds/hr because natural gas is the only fuel fired in this emissions unit.

d. This emissions unit is subject to a case-by-case MACT determination pursuant to section 112(j) of the Clean Air Act (CAA) due to the June 8, 2007 D.C. Circuit Court of Appeals decision to vacate the Boiler MACT (40 CFR Part 63, Subpart DDDDD).

If notified by the Ohio EPA or U.S. EPA, the permittee shall submit an application for a revision to this Title V permit that meets the requirements of 40 CFR 63.52(a)(2) pertaining to case-by-case MACT determinations. The 30-day clock

for submittal of a 112(j) application does not begin until such notification is made by Ohio EPA or U.S. EPA.

c) Operational Restrictions

(1) The permittee shall burn only natural gas in this emissions unit.

[OAC rule 3745-77-07(A)(1)]

d) Monitoring and/or Recordkeeping Requirements

(1) For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain record of the type of fuel burned in this emissions unit.

[OAC rule 3745-77-07(C)(1)]

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

[OAC rule 3745-77-07(C)(1)]

(2) All reports shall be submitted, electronically through Ohio EPA Air Services.

[OAC rule 3745-15-03(B)(1)(b) and OAC rule 3745-15-03(C)]

f) Testing Requirements

(1) None

g) Miscellaneous Requirements

(1) None.

8. B010, AMU - Middle of Upper Press Rm, N of 116 Press

Operations, Property and/or Equipment Description:

Air makeup unit for heating fresh air entering the building and space heating - 10 MMBtu/hr.

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) None.

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 3745-17-07(A)	See b)(2)a.
b.	OAC rule 3745-17-11(B)(1)	See b)(2)b.
c.	OAC rule 3745-18-06(E)	exempt, pursuant to OAC rule 3745-18-06(C) [See b)(2)c.]
d.	40 CFR 63.52(a)(2)	See b)(2)d.

(2) Additional Terms and Conditions

a. This emissions unit is exempt from the visible emissions limitations specified in OAC rule 3745-17-07(A), pursuant to OAC rule 3745-17-07(A)(3)(h), because OAC rule 3745-17-11 is not applicable.

b. The uncontrolled mass rate of particulate emissions from this emissions unit is less than 10 lbs/hr. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(ii), Figure II of OAC rule 3745-17-11 does not apply. Also, this emissions unit has a process weight rate of zero since per OAC rule 3745-17-11(A)(4) process weight rate does not include liquid or gaseous fuels. Therefore, Table I of OAC rule 3745-17-11 does not apply.

c. The process weight rate of this emissions unit is less than 1000 pounds/hr because natural gas is the only fuel fired in this emissions unit.

d. This emissions unit is subject to a case-by-case MACT determination pursuant to section 112(j) of the Clean Air Act (CAA) due to the June 8, 2007 D.C. Circuit Court of Appeals decision to vacate the Boiler MACT (40 CFR Part 63, Subpart DDDDD).

If notified by the Ohio EPA or U.S. EPA, the permittee shall submit an application for a revision to this Title V permit that meets the requirements of 40 CFR 63.52(a)(2) pertaining to case-by-case MACT determinations. The 30-day clock

for submittal of a 112(j) application does not begin until such notification is made by Ohio EPA or U.S. EPA.

c) Operational Restrictions

(1) The permittee shall burn only natural gas in this emissions unit.

[OAC rule 3745-77-07(C)(1)]

d) Monitoring and/or Recordkeeping Requirements

(1) For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain record of the type of fuel burned in this emissions unit.

[OAC rule 3745-77-07(C)(1)]

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

[OAC rule 3745-77-07(C)(1)]

(2) All reports shall be submitted, electronically through Ohio EPA Air Services.

[OAC rule 3745-15-03(B)(1)(b) and OAC rule 3745-15-03(C)]

f) Testing Requirements

(1) None

g) Miscellaneous Requirements

(1) None.

9. K005, #1 E-Coat Paint System

Operations, Property and/or Equipment Description:

Prepped parts are conveyed through an electrodeposition paint bath for coating and then passed through a three stage rinse process. Following the # 1 E-Coat process, painted parts are sent to the #1 E-Coat cure oven.

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) None.

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 3745-21-09(K)(1)	2.8 lbs of volatile organic compounds (VOC) per gallon of coating, excluding water and exempt solvents (See b)(2)a.)
b.	OAC rule 3745-31-05 (PTI #03-1758, issued 7/31/91)	The total VOC emissions from emissions units K005, K009, K010 and K011, combined, shall not exceed 460 tons per year. The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(K) and 40 CFR Part 63, Subpart NNNN.
c.	40 CFR Part 63, Subpart NNNN	See 40 CFR Part 63.4090(a) Organic hazardous air pollutants shall not exceed 0.13 kg/liter (1.1 lbs/gal) of coating solids used in the affected source during each compliance period (monthly). See b)(2)b.

(2) Additional Terms and Conditions

a. The permittee adds VOC materials to the electrocoating dip tank associated with this emissions unit under the following scenarios:

i. during the day, only compliant materials (pastes and resins) are added;

ii. during the day, both compliant (pastes and resins) and noncompliant materials (solvents) are added and the resulting mixture is compliant; or

iii. during the day, only noncompliant solvents or a noncompliant mixture of materials (solvents, pastes and resins) are added.

In order to ensure compliance with the VOC content limitation (in pounds/gallon of coating, excluding water and exempt solvents), the permittee shall be required to monitor and keep records of the above scenarios as required under section A.III.1 of this permit.

b. The permittee shall comply with the emission limitation for the affected source of which this emissions unit is a component by using one of the two compliance options below:

63.4091(a) - compliant material option

63.4091(b) - emission rate without add-on controls option

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall collect and record the following information each day for the electrocoating dip tank:

a. the name and identification number of each material added to the dip tank;

b. the VOC content, excluding water and exempt solvents, in pounds per gallon, of each material added to the dip tank.

c. the number of gallons of each material added to the dip tank, excluding water and exempt solvents;

d. on the days when a compliant mixture of materials are added to the dip tank, the daily, volume-weighted average VOC content of the combination of materials added to the dip tank, in pounds per gallon, excluding water and exempt solvents [calculated by summing (bxc) for all materials, divided by the total number of gallons, excluding water and exempt solvents, of all materials added to the system]; and

e. on the days when a noncompliant material (solvent) is added to the dip tank or a mixture of materials is added to the dip tank and the calculated daily, volume-weighted average VOC content exceeds the allowable VOC content limitation, the VOC content of the entire tank, in pounds per gallon, excluding water and exempt solvents. This shall be determined by collecting a post-material-add composite sample from the dip tank and performing a laboratory analysis of the VOC content of the sample in accordance with the procedures specified in section f)(2)b.

[OAC rule 3745-77-07(C)(1) and PTI #03-1758]

(2) The permittee shall collect and record the following information for each month for emissions units K005, K009, K010 and K011, combined:

a. . the name and identification number of each material employed;

b. the VOC content of each material employed, in pounds per gallon;

c. the volume, in gallons, of each material employed;

d. the emissions of VOC for each material employed (b x c), in pounds; and

e. the total emissions of VOC for all the materials employed (summation of d for all materials, divided by 2000), in tons.

[OAC rule 3745-77-07(C)(1) and PTI #03-1758]

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

63.4130(c)(1) - determination of organic HAP content for each coating according to 63.4141(d) for compliant material option

63.4130)(c)(2) - calculations of total organic HAP emissions, organic HAP in waste material (if applicable), volume of coating solids used each month and organic HAP emission rate

[OAC rule 3745-77-07(C)(1) and 40 CFR Part 63, Subpart NNNN]

e) Reporting Requirements

(1) The permittee shall notify the Director (the Ohio EPA, Northwest District Office) in writing of any daily record showing an exceedance of the VOC content limitation of 2.8 lbs VOC/gallon of coating, excluding water and exempt solvents. The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Northwest District Office) within 45 days after the exceedance occurs.

[OAC rule 3745-77-07(C)(1) and PTI #03-1758]

(2) The permittee shall submit annual reports that summarize the actual annual VOC emissions for emissions units K005, K009, K010 and K011, combined. These reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

[OAC rule 3745-77-07(C)(1) and PTI #03-1758]

(3) The permittee shall submit semiannual reports and such other notifications and reports to the appropriate Ohio EPA District office or local air agency as are required pursuant to 40 CFR Part 63, Subpart NNNN, per the following sections:

63.4120(a) - semiannual compliance report

[OAC rule 3745-77-07(C)(1) and 40 CFR Part 63, Subpart NNNN]

(4) All reports shall be submitted, electronically through Ohio EPA Air Services.

[OAC rule 3745-15-03(B)(1)(b) and OAC rule 3745-15-03(C)]

f) Testing Requirements

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

a. Emission Limitation: 2.8 lbs of VOC/gallon of coating, excluding water and exempt solvents and 2.8 lbs of VOC/gallon of coating, as a daily volume-weighted average, excluding water and exempt solvent (on the days when solvents are added to the dip tank)

Applicable Compliance Method: Compliance shall be based upon the record keeping specified in Section d)(1) of the terms and conditions of this permit.

The daily, volume -weighted average of all the materials added to the dip tank shall be calculated using the following equation:

Daily volume-weighted average = [summation of (Gi X VOCi:] / [summation of Gi] for i = 1 to n

where:

i - 1, 2, 3, ...n

n = the total number of the different types of materials added to the dip tank for that day

Gi = the number of gallons of material i (excluding water and exempt solvents) added to the dip tank for that day

VOCi = the VOC content of material i, in pounds/gallon of material, excluding water and exempt solvents

[OAC rule 3745-77-07(C)(1) and PTI #03-1758]

b. Emission Limitation: 460 tons/yr VOC

Applicable Compliance Method: Compliance shall be demonstrated based upon the record keeping requirements in Section d) of this permit and shall be the sum of the 12 monthly VOC emission rates for the calendar year.

[OAC rule 3745-77-07(C)(1) and PTI #03-1758]

c. Organic hazardous air pollutants shall not exceed 0.13 kg/liter (1.1 lbs/gal) of coating solids used in the affected source during each compliance period (monthly).

Applicable Compliance Method:

Compliant coating option: Compliance shall be demonstrated in accordance with 63.4140(d) - Equation 2

Emission rate without add-on control option: Compliance shall be demonstrated in accordance with 63.4151 - Equations 1 and 1A through 1C and, if applicable 63.4151(e)(4); 63.4151 - Equation 2; and 63.4151 Equation 3.

[OAC rule 3745-77-07(C)(1) and 40 CFR Part 63, Subpart NNNN]

(2) Determining VOC contents of the coating materials:

a. Any determination of VOC content, solids content, or density of a coating material added to the dip tank shall be on the coating material, as received, including the use of any thinning or viscosity reducer. The permittee shall determine the composition of the coating materials by formulation data supplied by the manufacturer of the material or from data determined by an analysis of each coating material, as received, by Reference Method 24 of 40 CFR, Part 60, Appendix A. The Ohio EPA may require the permittee, if it uses formulation data supplied by the manufacturer, to determine the VOC contents of the coating materials by Reference Method 24 or an equivalent USEPA-approved alternative method.

b. For the VOC contents of the samples taken from the dip tank pursuant to d)(1)e., the permittee shall determine the composition of the coatings through the use of USEPA Method 24 of 40 CFR, Part 60, Appendix A, and, if the permittee elects, an equivalent USEPA-approved alternative method to confirm the Method 24 test result.

["VOC content" means all volatile organic compounds that are in a coating expressed as pounds of VOC per gallon, excluding water and exempt solvents, and/or kilograms of VOC per liter of coating solids.]

[OAC rule 3745-77-07(C)(1) and PTI #03-1758]

g) Miscellaneous Requirements

(1) None.

10. K009, #2 E-Coat Paint System

Operations, Property and/or Equipment Description:

Prepped parts are conveyed through an electrodeposition paint bath for coating and then passed through a four stage rinse process. Following the #2 E-Coat process, painted parts are sent to the #2 E-Coat cure oven.

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) None.

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 3745-21-09(K)(1)	2.8 lbs pounds of volatile organic compounds (VOC) per gallon of coating, excluding water and exempt solvents [See b)(2)a.]
b.	OAC rule 3745-31-05 (PTI #03-1758, issued 7/31/91)	The total VOC emissions from emissions units K005, K009, K010 and K011, combined, shall not exceed 460 tons per year. The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(K) and 40 CFR Part 63, Subpart NNNN.
c.	40 CFR Part 63, Subpart NNNN	See 40 CFR Part 63.4090(a) Organic hazardous air pollutants shall not exceed 0.13 kg/liter (1.1 lbs/gal) of coating solids used in the affected source during each compliance period (monthly). See b)(2)b.

(2) Additional Terms and Conditions

a. The permittee adds VOC materials to the electrocoating dip tank associated with this emissions unit under the following scenarios:

i. . during the day, only compliant materials (pastes and resins) are added ;

ii. during the day, both compliant (pastes and resins) and noncompliant materials (solvents) are added and the resulting mixture is compliant; or

iii. during the day, only noncompliant solvents or a noncompliant mixture of materials (solvents, pastes and resins) are added.

In order to ensure compliance with the VOC content limitation (in pounds/gallon of coating, excluding water and exempt solvents), the permittee shall be required to monitor and keep records of the above scenarios as required under section A.III.1 of this permit.

b. The permittee shall comply with the emission limitation for the affected source of which this emissions unit is a component by using one of the two compliance options below:

63.4091(a) - compliant material option

63.4091(b) - emission rate without add-on controls option

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall collect and record the following information each day for the electrocoating dip tank:

a. . the name and identification number of each material added to the dip tank;

b. the VOC content, excluding water and exempt solvents, in pounds per gallon, of each material added to the dip tank.

c. the number of gallons of each material added to the dip tank, excluding water and exempt solvents;

d. on the days when a compliant mixture of materials are added to the dip tank, the daily, volume-weighted average VOC content of the combination of materials added to the dip tank, in pounds per gallon, excluding water and exempt solvents [calculated by summing (bxc) for all materials, divided by the total number of gallons, excluding water and exempt solvents, of all materials added to the system]; and

e. on the days when a noncompliant material (solvent) is added to the dip tank or a mixture of materials is added to the dip tank and the calculated daily, volume-weighted average VOC content exceeds the allowable VOC content limitation, the VOC content of the entire tank, in pounds per gallon, excluding water and exempt solvents. This shall be determined by collecting a post-material-add composite sample from the dip tank and performing a laboratory analysis of the VOC content of the sample in accordance with the procedures specified in section f)(2)b.

[OAC rule 3745-77-07(C)(1) and PTI #03-1758]

(2) The permittee shall collect and record the following information for each month for emissions units K005, K009, K010 and K011, combined:

a. the name and identification number of each material employed;

b. the VOC content of each material employed, in pounds per gallon;

c. the volume, in gallons, of each material employed;

d. the emissions of VOC for each material employed (b x c), in pounds; and

e. the total emissions of VOC for all the materials employed (summation of d for all materials, divided by 2000), in tons.

[OAC rule 3745-77-07(C)(1) and PTI #03-1758]

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

63.4130(c)(1) - determination of organic HAP content for each coating according to 63.4141(d) for compliant material option

63.4130)c)(2) - calculations of total organic HAP emissions, organic HAP in waste material (if applicable), volume of coating solids used each month and organic HAP emission rate

[OAC rule 3745-77-07(C)(1) and 40 CFR Part 63, Subpart NNNN]

e) Reporting Requirements

(1) The permittee shall notify the Director (the Ohio EPA, Northwest District Office) in writing of any daily record showing an exceedance of the VOC content limitation of 2.8 lbs VOC/gallon of coating, excluding water and exempt solvents. The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Northwest District Office) within 45 days after the exceedance occurs.

[OAC rule 3745-77-07(C)(1) and PTI #03-1758]

(2) The permittee shall submit annual reports that summarize the actual annual VOC emissions for emissions units K005, K009, K010 and K011, combined. These reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

[OAC rule 3745-77-07(C)(1) and PTI #03-1758]

(3) The permittee shall submit semiannual reports and such other notifications and reports to the appropriate Ohio EPA District office or local air agency as are required pursuant to 40 CFR Part 63, Subpart NNNN, per the following sections:

63.4120(a) - semiannual compliance report

[OAC rule 3745-77-07(C)(1) and 40 CFR Part 63, Subpart NNNN]

(4) All reports shall be submitted, electronically through Ohio EPA Air Services.

[OAC rule 3745-15-03(B)(1)(b) and OAC rule 3745-15-03(C)]

f) Testing Requirements

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

a. Emission Limitation: 2.8 lbs of VOC/gallon of coating, excluding water and exempt solvents and 2.8 lbs of VOC/gallon of coating, as a daily volume-weighted average, excluding water and exempt solvent (on the days when solvents are added to the dip tank)

Applicable Compliance Method: Compliance shall be based upon the record keeping specified in Section d)(1) of the terms and conditions of this permit.

b. The daily, volume -weighted average of all the materials added to the dip tank shall be calculated using the following equation:

Daily volume-weighted average = [summation of (Gi X VOCi:] / [summation of Gi] for i = 1 to n

where:

i - 1, 2, 3, ...n

n = the total number of the different types of materials added to the dip tank for that day

Gi = the number of gallons of material i (excluding water and exempt solvents) added to the dip tank for that day

VOCi = the VOC content of material i, in pounds/gallon of material, excluding water and exempt solvents

[OAC rule 3745-77-07(C)(1) and PTI #03-1758]

c. Emission Limitation: 460 tons/yr VOC

Applicable Compliance Method: Compliance shall be demonstrated based upon the record keeping requirements in Section d) of this permit and shall be the sum of the 12 monthly VOC emission rates for the calendar year.

[OAC rule 3745-77-07(C)(1) and PTI #03-1758]

d. Emission Limitation: Organic hazardous air pollutants shall not exceed 0.13 kg/liter (1.1 lbs/gal) of coating solids used in the affected source during each compliance period (monthly).

Applicable Compliance Method:

Compliant coating option: Compliance shall be demonstrated in accordance with 63.4140(d) - Equation 2

Emission rate without add-on control option: Compliance shall be demonstrated in accordance with 63.4151 - Equations 1 and 1A through 1C and, if applicable 63.4151(e)(4); 63.4151 - Equation 2; and 63.4151 Equation 3.

[OAC rule 3745-77-07(C)(1) and 40 CFR Part 63, Subpart NNNN]

(2) Determining VOC contents of the coating materials:

a. Any determination of VOC content, solids content, or density of a coating material added to the dip tank shall be on the coating material, as received, including the use of any thinning or viscosity reducer. The permittee shall determine the composition of the coating materials by formulation data supplied by the manufacturer of the material or from data determined by an analysis of each coating material, as received, by Reference Method 24 of 40 CFR, Part 60, Appendix A. The Ohio EPA may require the permittee, if it uses formulation data supplied by the manufacturer, to determine the VOC contents of the coating materials by Reference Method 24 or an equivalent USEPA-approved alternative method.

b. For the VOC contents of the samples taken from the dip tank pursuant to d)(1)e., the permittee shall determine the composition of the coatings through the use of USEPA Method 24 of 40 CFR, Part 60, Appendix A, and, if the permittee elects, an equivalent USEPA-approved alternative method to confirm the Method 24 test result.

["VOC content" means all volatile organic compounds that are in a coating expressed as pounds of VOC per gallon, excluding water and exempt solvents, and/or kilograms of VOC per liter of coating solids.]

[OAC rule 3745-77-07(C)(1) and PTI #03-1758]

g) Miscellaneous Requirements

(1) None.

11. K010, New Top Coat Paint System

Operations, Property and/or Equipment Description:

Following the blowoff booth, the reinforcing booth is used as needed for the application of an extra layer of top coat to critical areas of the steel cabinet. Following reinforcing, if completed, the cabinet is routed to the Ransburg paint booth for application of a top coat. The shading booth and vapor tunnel effects initial removal of VOCs that are being emitted from drying paint, after the Ransburg paint application, preventing the VOCs from venting back to the reinforcing booth. Following the vapor tunnel, cabinets are put into the cure oven to cure the paint. The shading, Ransburg, and reinforcing booths each have 5 MMBtu/hr AMUs associated with them.

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) None.

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 3745-17-07(A)	Visible particulate emissions (PE) shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.
b.	OAC rule 3745-17-11(B)(1)	0.877 lb particulate emissions (PE)/hr See b)(2)d. and b)(2)e.
c.	OAC rule 3745-21-09(K)(1)	2.8 lbs pounds of VOC per gallon of coating, as a daily volume-weighted average, excluding water and exempt solvents [See b)(2)a. and b)(2)c.]
d.	OAC rule 3745-17-11(C)	See b)(2)e. and c)(1)
e.	40 CFR Part 60, Subpart SS	0.90 kg VOC/liter of applied coating solids, based on a monthly volume-weighted average of the total mass of VOC's emitted to the atmosphere per volume of applied coating solids
f.	OAC rule 3745-21-09(K)(3)	3.5 lbs VOC/gallon of coating, as a daily volume-weighted average, excluding water and exempt solvents (based on a 90% transfer efficiency and equivalent to 7.5 lbs of VOC/gallon of solids applied) See b)(2)b. and b)(2)c.
f.	OAC rule 3745-31-05 (PTI #03-	The total VOC emissions from emissions

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
	1758, issued 7/31/91)	units K005, K009, K010 and K011 combined, shall not exceed 460 tons per year. The requirements of this rule also include compliance with the requirements of OAC rules 3745-21-09(K), 3745-17-07(A) and 3745-17-11(B), and 40 CFR Part 60, Subpart SS and 40 CFR Part 63, Subpart NNNN.
g.	40 CFR Part 63, Subpart NNNN	See 40 CFR Part 63.4090(a) Organic hazardous air pollutants shall not exceed 0.13 kg/liter (1.1 lbs/gal) of coating solids used in the affected source during each compliance period (monthly). See b)(2)f.

(2) Additional Terms and Conditions

a. The requirement to comply with this VOC limitation shall terminate on the date the U.S. EPA approves the alternative emission limitation of 3.5 lbs VOC/gallon of coating, excluding water and exempt solvents, as a revision to the Ohio State Implementation Plan (SIP) for ozone.

b. This alternative emission limitation shall be effective and federally enforceable on the date the U.S. EPA approves the limitation as a revision to the Ohio SIP for ozone. As part of the alternative emission limitation, the permittee shall maintain a transfer efficiency of not less than 90% for the coatings employed in this emissions unit.

c. The permittee adds VOC materials to the mix tank associated with this emissions unit under the following scenarios:

i. during the day, only compliant materials (paints) are added ;

ii. during the day, both compliant (paints) and noncompliant materials (solvents) are added and the resulting mixture is compliant; or

iii. during the day, only noncompliant solvents or a noncompliant mixture of materials (solvents, paints) are added.

In order to ensure compliance with the VOC content limitation (in pounds/gallon of coating, excluding water and exempt solvents), the permittee shall be required to monitor and keep records of the above scenarios as required under section A.III.1 of this permit.

d. The requirements to comply with this rule shall terminate on the date the U.S. EPA approves the requirements based on OAC rule 3745-17-11(C) as a revision to the Ohio SIP for particulate emissions.

e. On February 1, 2008, OAC rule 3745-17-11 was revised to include paragraph (C) pertaining to requirements for controlling of particulate emissions from surface coating processes. Paragraph (C) of OAC rule 3745-17-11 shall be federally enforceable on the date the U.S. EPA approves paragraph (C) of OAC rule 3745-17-11 as a revision to the Ohio State Implementation Plan.

[OAC rule 3745-17-11(C) OAC rule 3745-77-07(C)(1)]

f. The permittee shall comply with the emission limitation for the affected source of which this emissions unit is a component by using one of the two compliance options below:

63.4091(a) - compliant material option

63.4091(b) - emission rate without add-on controls option

c) Operational Restrictions

(1) The permittee shall operate the dry particulate filter, waterwash, or equivalent control device or devices for the control of particulate emissions whenever this emissions unit is in operation and shall maintain the control device(s) in accordance with the manufacturer's recommendations, instructions, and/or operating manual(s), with any modifications deemed necessary by the permittee.

[OAC rule 3745-17-11(C)(1) and (2)(b), OAC rule 3745-77-07(C)(1)]

(2) The permittee shall expeditiously repair the control device(s) or otherwise return it/them to normal operations, as recommended by the manufacturer with any modifications deemed necessary by the permittee, whenever it is determined that the control device is not operating in accordance with these requirements.

[OAC rule 3745-17-11(C)(2)(e) and OAC rule 3745-77-07(C)(1)]

(3) The permittee shall maintain documentation of the manufacturer's recommendations, instructions, or operating manuals for the control device(s), along with documentation of any modifications deemed necessary by the permittee. These documents shall be maintained at the facility and shall be made available to the appropriate Ohio EPA District Office or local air agency upon request.

[OAC 3745-17-11(C)(2)(a) and OAC rule 3745-77-07(C)(1)]

(4) The permittee shall conduct periodic inspections of the control device(s) to determine whether it/they is/are operating in accordance with the manufacturer's recommendations, instructions, or operating manuals with any modifications deemed necessary by the permittee or operator. These inspections shall be performed at a frequency that shall be based upon the recommendation of the manufacturer and the permittee shall maintain a copy of the manufacturer's recommended inspection frequency and it shall be made available to the Ohio EPA upon request.

[OAC rule 3745-17-11(C)(2)(c) and OAC rule 3745-77-07(C)(1)]

(5) In addition to the recommended periodic inspections, not less than once each calendar year the permittee shall conduct a comprehensive inspection of the control device(s) while the emissions unit is shut down and perform any needed maintenance and repair to ensure that it/they is/are operated in accordance with the manufacturer's recommendations.

[OAC rule 3745-17-11(C)(2)(c) and OAC rule 3745-77-07(C)(1)]

(6) The permittee shall document each inspection (periodic and annual) of the control device(s) and shall maintain the following information:

a. the date of the inspection;
b. a description of each/any problem identified and the date it was corrected;
c. a description of any maintenance and repairs performed; and
d. the name of person who performed the inspection.

These records shall be maintained at the facility for not less than five years from the date the inspection and any necessary maintenance or repairs were completed and shall be made available to the appropriate Ohio EPA District Office or local air agency upon request.

[OAC rule 3745-17-11(C)(2)(d) and (f), OAC rule 3745-77-07(C)(1)]

(7) The permittee shall maintain records that document any time periods when the control device(s) was/were not in service when the emissions unit(s) was/were in operation, as well as, a record of all operations during which the control device(s) was/were not operated according to the manufacturer’s recommendations with any documented modifications made by the permittee. These records shall be maintained for a period of not less than five years and shall be made available to the Ohio EPA upon request.

[OAC rule 3745-17-11(C)(2)(f) and (g) for OAC rule 3745-17-11(C)(1), OAC rule 3745-77-07(C)(1)]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall collect and record the following information each day for the electrocoating mix tank:

a. the name and identification number of each material added to the mix tank;

b. the VOC content, excluding water and exempt solvents, in pounds per gallon, of each material added to the mix tank.

c. the number of gallons of each material added to the mix tank, excluding water and exempt solvents;

d. on the days when a compliant mixture of materials are added to the mix tank, the daily, volume-weighted average VOC content of the combination of materials added to the mix tank, in pounds per gallon, excluding water and exempt solvents [calculated by summing (bxc) for all materials, divided by the total

number of gallons, excluding water and exempt solvents, of all materials added to the system]; and

e. on the days when a noncompliant material (solvent) is added to the mix tank or a mixture of materials is added to the mix tank and the calculated daily, volume-weighted average VOC content exceeds the allowable VOC content limitation, the VOC content of the entire tank, in pounds per gallon, excluding water and exempt solvents. This shall be determined by collecting a post-material-add composite sample from the mix tank and performing a laboratory analysis of the VOC content of the sample in accordance with the procedures specified in section f)(2)b.

[OAC rule 3745-77-07(C)(1) and PTI #03-1758]

(2) Each month, the permittee shall determine the monthly, volume-weighted average of the total mass of VOC's emitted to the atmosphere per volume of applied coating solids, in kilograms per liter, calculated as follows:

a. Calculate the mass of VOC'S consumed (Mo+Md) during the calendar month by the following equation:

Mo+Md = [summation of (Lci X Dci X Woi) for i = 1,2, ...,n + summation of (Ldj X Ddj) for j = 1,2,...,m]

where:

Mo = the total VOC emissions, in kilograms, from all the coatings consumed, as received

Md = the total VOC emissions, in kilograms, from all the solvents added to the coatings

Lci = the total volume, in liters, of coating i consumed, as received

Ldj = the total volume, in liters, of solvent j added to coatings

Dci = density of coating i, as received (kilograms per liter)

Ddj = density of solvent j added to coatings (kilograms per liter)

Woi = the fraction, by weight, of the VOC'S in coating i, as received

n = the number of different coatings used during the calendar month

m = the number of different solvents added to coatings during the calendar month

b. Calculate the total volume of coatings solids used (Ls) in the calendar month by the following equation:

Ls = summation of (Lci X Vsi) for i = 1, 2, ..., n

where:

Ls = the volume of all the coatings solids consumed (liters)

Lci = the volume of coating i consumed, as received (liters)

Vsi = the fraction, by volume, of the solids in coating i, as received

n = the number of different coatings used during the calendar month

c. Calculate the volume-weighted average mass of VOC'S consumed per unit volume of coating solids applied during the calendar month by the following equation:

G = (Mo+Md)/(Ls X T)

where:

G = the volume-weighted average mass of VOC'S in coatings consumed in a calendar month per unit volume of applied coating solids (kilograms per liter)

T = transfer efficiency (0.90)

[OAC rule 3745-77-07(C)(1), 40 CFR Part 60, Subpart SS and PTI #03-1758]

(3) The permittee shall collect and record the following information for each month for emissions units K005, K009, K010 and K011, combined:

a. the name and identification number of each material employed;

b. the VOC content of each material employed, in pounds per gallon;

c. the volume, in gallons, of each material employed;

d. the emissions of VOC for each material employed (b x c), in pounds; and

e. the total emissions of VOC for all the materials employed (summation of d for all materials, divided by 2000), in tons.

[OAC rule 3745-77-07(C)(1) and PTI #03-1758]

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

63.4130(c)(1) - determination of organic HAP content for each coating according to 63.4141(d) for compliant material option

63.4130)c)(2) - calculations of total organic HAP emissions, organic HAP in waste material (if applicable), volume of coating solids used each month and organic HAP emission rate

[OAC rule 3745-77-07(C)(1) and 40 CFR Part 63, Subpart NNNN]

e) Reporting Requirements

(1) The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the VOC emission limitation of 0.9 kg VOC/liter of coating solids (based on a monthly, volume-weighted average).

The quarterly reports shall be submitted each year by January 31 (covering October to December), April 30 (covering January to March), July 31 (covering April to June), and October 31 (covering July to September), unless an alternative schedule has been established and approved by the Director (the appropriate District Office or local air agency).

[OAC rule 3745-77-07(C)(1), 40 CFR Part 60, Subpart SS and PTI #03-1758]

(2) The permittee shall notify the Director (the Ohio EPA, Northwest District Office) in writing of any daily record showing an exceedance of the VOC content limitation of 2.8 lbs or 3.5 lbs (whichever is applicable) VOC/gallon of coating, excluding water and exempt solvents. The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Northwest District Office) within 45 days after the exceedance occurs.

[OAC rule 3745-77-07(C)(1) and PTI #03-1758]

(3) The permittee shall submit annual reports that summarize the actual annual VOC emissions for emissions units K005, K009, K010 and K011, combined. These reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

[OAC rule 3745-77-07(C)(1) and PTI #03-1758]

(4) The permittee shall submit semiannual reports and such other notifications and reports to the appropriate Ohio EPA District office or local air agency as are required pursuant to 40 CFR Part 63, Subpart NNNN, per the following sections:

63.4120(a) - semiannual compliance report

[OAC rule 3745-77-07(C)(1) and 40 CFR Part 63, Subpart NNNN]

(5) The permittee shall submit quarterly deviation reports that identify any daily record showing that the control device(s) was/were not in service or not operated according to manufacturer's recommendations (with any documented modifications made by the permittee) when the emissions unit(s) was/were in operation;

The quarterly reports shall be submitted each year by January 31 (covering October to December), April 30 (covering January to March), July 31 (covering April to June), and October 31 (covering July to September), unless an alternative schedule has been established and approved by the Director (the appropriate District Office or local air agency).

[OAC rule 3745-15-03(B)(1)(a) and OAC rule 3745-15-03(C); and OAC rule 3745-77-07(C)(1)]

(6) All reports shall be submitted, electronically through Ohio EPA Air Services.

[OAC rule 3745-15-03(B)(1)(b) and OAC rule 3745-15-03(C)]

f) Testing Requirements

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

a. Emission Limitation: 2.8 lbs of VOC/gallon of coating, excluding water and exempt solvents and 2.8 lbs of VOC/gallon of coating, as a daily volume-weighted average, excluding water and exempt solvent (on the days when solvents are added to the mix tank)

Applicable Compliance Method: Compliance shall be based upon the record keeping specified in Section d)(1) of the terms and conditions of this permit.

The daily, volume -weighted average of all the materials added to the mix tank shall be calculated using the following equation:

Daily volume-weighted average = [summation of (Gi X VOCi:] / [summation of Gi] for i = 1 to n

where:

i - 1, 2, 3, ...n

n = the total number of the different types of materials added to the mix tank for that day

Gi = the number of gallons of material i (excluding water and exempt solvents) added to the mix tank for that day

VOCi = the VOC content of material i, in pounds/gallon of material, excluding water and exempt solvents

[OAC rule 3745-77-07(C)(1) and PTI #03-1758]

b. Emission Limitation: 3.5 lbs of VOC/gallon of coating, excluding water and exempt solvents and 3.5 lbs of VOC/gallon of coating, as a daily volume-weighted average, excluding water and exempt solvents (on days when solvents are added to the mix tank)

Applicable Compliance Method: Compliance shall be based upon the record keeping specified in Section d)(1) of the terms and conditions of this permit.

The daily, volume -weighted average of all the materials added to the mix tank shall be calculated using the following equation:

Daily volume-weighted average = [summation of (Gi X VOCi:] / [summation of Gi] for i = 1 to n

where:

i - 1, 2, 3, ...n

n = the total number of the different types of materials added to the mix tank for that day

Gi = the number of gallons of material i (excluding water and exempt solvents) added to the mix tank for that day

VOCi = the VOC content of material i, in pounds/gallon of material, excluding water and exempt solvents

[OAC rule 3745-77-07(C)(1) and PTI #03-1758]

c. Emission Limitation: 0.90 kg VOC/liter of applied coating solids, based on a monthly, volume-weighted average

Applicable Compliance Method: Compliance shall be based upon the record keeping required in Section d)(2)of the terms and conditions of this permit.

[OAC rule 3745-77-07(C)(1), 40 CFR Part 60, Subpart SS and PTI #03-1758]

d. Emission Limitation: Visible PE shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method: If required, the permittee shall demonstrate compliance with the visible PE limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1)

[OAC rule 3745-77-07(C)(1) and PTI #03-1758]

e. Emission Limitation: 0.877 lb PE/hr

Applicable Compliance Method: Compliance with the hourly PE limitation may be demonstrated by utilizing the following equation:

E = (maximum coating solids usage rate, in pounds per hour) x (1-TE) x (1-CE)

where:

E = PE rate (lbs/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 employed.

CE = control efficiency of the control equipment

If required, the permittee shall demonstrate compliance with the hourly PE limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(10).

[OAC rule 3745-77-07(C)(1) and PTI #03-1758]

f. Emission Limitation: 460 tons/yr VOC

Applicable Compliance Method: Compliance shall be demonstrated based upon the record keeping requirements in Section d)(3) of this permit and shall be the sum of the 12 monthly VOC emission rates for the calendar year.

[OAC rule 3745-77-07(C)(1) and PTI #03-1758]

g. Emission Limitation: Organic hazardous air pollutants shall not exceed 0.13 kg/liter (1.1 lbs/gal) of coating solids used in the affected source during each compliance period (monthly).

Applicable Compliance Method:

Compliant coating option: Compliance shall be demonstrated in accordance with 63.4140(d) - Equation 2

Emission rate without add-on control option: Compliance shall be demonstrated in accordance with 63.4151 - Equations 1 and 1A through 1C and, if applicable 63.4151(e)(4); 63.4151 - Equation 2; and 63.4151 Equation 3.

[OAC rule 3745-77-07(C)(1) and 40 CFR Part 63, Subpar NNNN]

(2) Determining VOC contents of the coating materials:

a. Any determination of VOC content, solids content, or density of a coating material added to the mix tank shall be on the coating material, as received, including the use of any thinning or viscosity reducer. The permittee shall determine the composition of the coating materials by formulation data supplied by the manufacturer of the material or from data determined by an analysis of each coating material, as received, by Reference Method 24 of 40 CFR, Part 60, Appendix A. The Ohio EPA may require the permittee, if it uses formulation data supplied by the manufacturer, to determine the VOC contents of the coating materials by Reference Method 24 or an equivalent USEPA-approved alternative method.

b. For the VOC contents of the samples taken from the mix tank pursuant to d)(1)e., the permittee shall determine the composition of the coatings through the use of USEPA Method 24 of 40 CFR, Part 60, Appendix A, and, if the permittee elects, an equivalent USEPA-approved alternative method to confirm the Method 24 test result.

["VOC content" means all volatile organic compounds that are in a coating expressed as pounds of VOC per gallon, excluding water and exempt solvents, and/or kilograms of VOC per liter of coating solids.]

[OAC rule 3745-77-07(C)(1) and PTI #03-1758]

g) Miscellaneous Requirements

(1) None.

12. K011, #3 E-Coat Paint System

Operations, Property and/or Equipment Description:

Prepped parts are conveyed through an electrodeposition paint bath for coating. After coating, the parts are passed through a three stage rinse process. Following the #3 E-Coat process, painted parts are sent to the #3 E-Coat cure oven.

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) None.

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 3745-21-09(K)(1)	2.8 lbs pounds of VOC per gallon of coating, as a daily volume-weighted average, excluding water and exempt solvents [See b)(2)a.]
b.	40 CFR Part 60, Subpart SS	0.90 kg VOC/liter of applied coating solids, based on a monthly volume-weighted average of the total mass of VOC's emitted to the atmosphere per volume of applied coating solids
c.	OAC rule 3745-31-05 (PTI #03-1758, issue 7/31/91)	The total VOC emissions from emissions units K005, K009, K010 and K011 combined, shall not exceed 460 tons per year. The requirements of this rule also include compliance with the requirements of OAC rules 3745-21-09(K), 3745-17-07(A) and 3745-17-11(B), and 40 CFR Part 60, Subpart SS and 40 CFR Part 63, Subpart NNNN.
d.	40 CFR Part 63, Subpart NNNN	See 40 CFR Part 63.4090(a) Organic hazardous air pollutants shall not exceed 0.13 kg/liter (1.1 lbs/gal) of coating solids used in the affected

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		source during each compliance period (monthly). See b)(2)b.

(2) Additional Terms and Conditions

a. The permittee adds VOC materials to the electrocoating dip tank associated with this emissions unit under the following scenarios:

i. during the day, only compliant materials (pastes and resins) are added ;

ii. during the day, both compliant (pastes and resins) and noncompliant materials (solvents) are added and the resulting mixture is compliant; or

iii. during the day, only noncompliant solvents or a noncompliant mixture of materials (solvents, pastes and resins) are added.

In order to ensure compliance with the VOC content limitation (in pounds/gallon of coating, excluding water and exempt solvents), the permittee shall be required to monitor and keep records of the above scenarios as required under section A.III.1 of this permit.

b. The permittee shall comply with the emission limitation for the affected source of which this emissions unit is a component by using one of the two compliance options below:

63.4091(a) - compliant material option

63.4091(b) - emission rate without add-on controls option

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall collect and record the following information each day for the electrocoating dip tank:

a. the name and identification number of each material added to the dip tank;

b. the VOC content, excluding water and exempt solvents, in pounds per gallon, of each material added to the dip tank.

c. the number of gallons of each material added to the dip tank, excluding water and exempt solvents;

d. on the days when a compliant mixture of materials are added to the dip tank, the daily, volume-weighted average VOC content of the combination of materials added to the dip tank, in pounds per gallon, excluding water and exempt solvents [calculated by summing (bxc) for all materials, divided by the total number of

gallons, excluding water and exempt solvents, of all materials added to the system]; and

e. on the days when a noncompliant material (solvent) is added to the dip tank or a mixture of materials is added to the dip tank and the calculated daily, volume-weighted average VOC content exceeds the allowable VOC content limitation, the VOC content of the entire tank, in pounds per gallon, excluding water and exempt solvents. This shall be determined by collecting a post-material-add composite sample from the dip tank and performing a laboratory analysis of the VOC content of the sample in accordance with the procedures specified in section f)(2)b.

[OAC rule 3745-77-07(C)(1) and PTI #03-1758]

(2) Each month, the permittee shall determine the monthly, volume-weighted average of the total mass of VOC's emitted to the atmosphere per volume of applied coating solids, in kilograms per liter, calculated as follows:

Calculate the mass of VOC'S consumed (Mo+Md) during the calendar month by the following equation:

Mo+Md = [summation of (Lci X Dci X Woi) for i = 1,2, ...,n + summation of (Ldj X Ddj) for j = 1,2,...,m]

where:

Mo = the total VOC emissions, in kilograms, from all the coatings consumed, as received

Md = the total VOC emissions, in kilograms, from all the solvents added to the coatings

Lci = the total volume, in liters, of coating i consumed, as received

Ldj = the total volume, in liters, of solvent j added to coatings

Dci = density of coating i, as received (kilograms per liter)

Ddj = density of solvent j added to coatings (kilograms per liter)

Woi = the fraction, by weight, of the VOC'S in coating i, as received

n = the number of different coatings used during the calendar month

m = the number of different solvents added to coatings during the calendar month

Calculate the total volume of coatings solids used (Ls) in the calendar month by the following equation:

Ls = summation of (Lci X Vsi) for i = 1, 2, ..., n

where:

Ls = the volume of all the coatings solids consumed (liters)

Lci = the volume of coating i consumed, as received (liters)

Vsi = the fraction, by volume, of the solids in coating i, as received

n = the number of different coatings used during the calendar month

Calculate the volume-weighted average mass of VOC'S consumed per unit volume of coating solids applied during the calendar month by the following equation:

G = (Mo+Md)/(Ls X T)

where:

G = the volume-weighted average mass of VOC'S in coatings consumed in a calendar month per unit volume of applied coating solids (kilograms per liter)

T = transfer efficiency (0.95)

[OAC rule 3745-77-07(C)(1), 40 CFR Part 60, Subpart SS and PTI #03-1758]

(3) The permittee shall collect and record the following information for each month for emissions units K005, K009, K010 and K011, combined:

a. the name and identification number of each material employed;

b. the VOC content of each material employed, in pounds per gallon;

c. the volume, in gallons, of each material employed;

d. the emissions of VOC for each material employed (b x c), in pounds; and

e. the total emissions of VOC for all the materials employed (summation of d for all materials, divided by 2000), in tons.

[OAC rule 3745-77-07(C)(1) and PTI #03-1758]

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

63.4130(c)(1) - determination of organic HAP content for each coating according to 63.4141(d) for compliant material option

63.4130)c)(2) - calculations of total organic HAP emissions, organic HAP in waste material (if applicable), volume of coating solids used each month and organic HAP emission rate

[OAC rule 3745-77-07(C)(1) and 40 CFR Part 63, Subpart NNNN]

e) Reporting Requirements

(1) The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the VOC emission limitation of 0.9 kg VOC/liter of coating solids (based on a monthly, volume-weighted average).

The quarterly reports shall be submitted each year by January 31 (covering October to December), April 30 (covering January to March), July 31 (covering April to June), and October 31 (covering July to September), unless an alternative schedule has been established and approved by the Director (the appropriate District Office or local air agency).

[OAC rule 3745-77-07(C)(1), 40 CFR Part 60, Subpart SS and PTI #03-1758]

(2) The permittee shall notify the Director (the Ohio EPA, Northwest District Office) in writing of any daily record showing an exceedance of the VOC content limitation of 2.8 lbs VOC/gallon of coating, excluding water and exempt solvents. The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Northwest District Office) within 45 days after the exceedance occurs.

[OAC rule 3745-77-07(C)(1) and PTI #03-1758]

(3) The permittee shall submit annual reports that summarize the actual annual VOC emissions for emissions units K005, K009, K010 and K011, combined. These reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

[OAC rule 3745-77-07(C)(1) and PTI #03-1758]

(4) The permittee shall submit semiannual reports and such other notifications and reports to the appropriate Ohio EPA District office or local air agency as are required pursuant to 40 CFR Part 63, Subpart NNNN, per the following sections:

63.4120(a) - semiannual compliance report

[OAC rule 3745-77-07(C)(1) and 40 CFR Part 63, Subpart NNN]

(5) All reports shall be submitted, electronically through Ohio EPA Air Services.

[OAC rule 3745-15-03(B)(1)(b) and OAC rule 3745-15-03(C)]

f) Testing Requirements

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

a. Emission Limitation: 2.8 lbs of VOC/gallon of coating, excluding water and exempt solvents and 2.8 lbs of VOC/gallon of coating, as a daily volume-weighted average, excluding water and exempt solvent (on the days when solvents are added to the dip tank)

Applicable Compliance Method: Compliance shall be based upon the record keeping specified in Section d)(1) of the terms and conditions of this permit.

The daily, volume -weighted average of all the materials added to the dip tank shall be calculated using the following equation:

Daily volume-weighted average = [summation of (Gi X VOCi:] / [summation of Gi] for i = 1 to n

where:

i - 1, 2, 3, ...n

n = the total number of the different types of materials added to the dip tank for that day

Gi = the number of gallons of material i (excluding water and exempt solvents) added to the dip tank for that day

VOCi = the VOC content of material i, in pounds/gallon of material, excluding water and exempt solvents

[OAC rule 3745-77-07(C)(1) and PTI #03-1758]

b. Emission Limitation: 0.90 kg VOC/liter of applied coating solids, based on a monthly, volume-weighted average

Applicable Compliance Method: Compliance shall be based upon the record keeping required in Section d)(2) of the terms and conditions of this permit.

[OAC rule 3745-77-07(C)(1), 40 CFR Part 60, Subpart SS and PTI #03-1758]

c. Emission Limitation: 460 tons/yr VOC

Applicable Compliance Method: Compliance shall be demonstrated based upon the record keeping requirements in Section d)(3) of this permit and shall be the sum of the 12 monthly VOC emission rates for the calendar

[OAC rule 3745-77-07(C)(1) and PTI #03-1758]

d. Emission Limitation: Organic hazardous air pollutants shall not exceed 0.13 kg/liter (1.1 lbs/gal) of coating solids used in the affected source during each compliance period (monthly).

Applicable Compliance Method:

Compliant coating option: Compliance shall be demonstrated in accordance with 63.4140(d) - Equation 2

Emission rate without add-on control option: Compliance shall be demonstrated in accordance with 63.4151 - Equations 1 and 1A through 1C and, if applicable 63.4151(e)(4); 63.4151 - Equation 2; and 63.4151 Equation 3.

[OAC rule 3745-77-07(C)(1) and 40 CFR Part 63, Subpart NNNN]

(2) Determining VOC contents of the coating materials:

a. Any determination of VOC content, solids content, or density of a coating material added to the dip tank shall be on the coating material, as received, including the use of any thinning or viscosity reducer. The permittee shall determine the composition of the coating materials by formulation data supplied by the manufacturer of the material or from data determined by an analysis of

each coating material, as received, by Reference Method 24 of 40 CFR, Part 60, Appendix A. The Ohio EPA may require the permittee, if it uses formulation data supplied by the manufacturer, to determine the VOC contents of the coating materials by Reference Method 24 or an equivalent USEPA-approved alternative method.

b. For the VOC contents of the samples taken from the dip tank pursuant to d)(1)e., the permittee shall determine the composition of the coatings through the use of USEPA Method 24 of 40 CFR, Part 60, Appendix A, and, if the permittee elects, an equivalent USEPA-approved alternative method to confirm the Method 24 test result.

["VOC content" means all volatile organic compounds that are in a coating expressed as pounds of VOC per gallon, excluding water and exempt solvents, and/or kilograms of VOC per liter of coating solids.]

[OAC rule 3745-77-07(C)(1) and PTI #03-1758]

g) Miscellaneous Requirements

(1) None.

13. K012, Powder Coat System

Operations, Property and/or Equipment Description:

Organic powder coating (powdered acrylic) is applied within 5 booths to parts that require it. Coated parts are cured in the powder coat oven.

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) None.

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 3745-17-07(A)	Visible particulate emissions (PE) shall not exceed 20 percent opacity, as a six-minute average, except otherwise provided by rule.
b.	OAC rule 3745-17-11(B)(1)	1.4 lbs PE/hr See b)(2)c. and b)(2)d.
c.	OAC rule 3745-21-09(K)(1)	2.8 lbs of VOC per gallon of coating, excluding water and exempt solvents
d.	OAC rule 3745-17-11(C)	See b)(2)d. and c)(1)
e.	OAC rule 3745-31-05(A)(3) (PTI 03-1146, issued 10/22/81)	See b)(2)b.
f.	40 CFR Part 63, Subpart NNNN	See 40 CFR Part 63.4090(a) Organic hazardous air pollutants shall not exceed 0.13 kg/liter (1.1 lbs/gal) of coating solids used in the affected source during each compliance period (monthly). See b)(2)e.

(2) Additional Terms and Conditions

a. Each coating employed in this emissions unit shall meet the limitation of 2.8 lbs VOC/gallon of coating, excluding water and exempt solvents.

b. No limits, pursuant to OAC rule 3745-31-05, were established in PTI #03-1146 for this emissions unit.

c. The requirements to comply with this rule shall terminate on the date the U.S. EPA approves the requirements based on OAC rule 3745-17-11(C) as a revision to the Ohio SIP for particulate emissions.

d. On February 1, 2008, OAC rule 3745-17-11 was revised to include paragraph (C) pertaining to requirements for controlling of particulate emissions from surface coating processes. Paragraph (C) of OAC rule 3745-17-11 shall be federally enforceable on the date the U.S. EPA approves paragraph (C) of OAC rule 3745-17-11 as a revision to the Ohio State Implementation Plan.

[OAC rule 3745-17-11(C) OAC rule 3745-77-07(C)(1)]

e. The permittee shall comply with the emission limitation for the affected source of which this emissions unit is a component by using one of the two compliance options below:

63.4091(a) - compliant material option

63.4091(b) - emission rate without add-on controls option

c) Operational Restrictions

(1) The permittee shall operate the dry particulate filter, waterwash, or equivalent control device or devices for the control of particulate emissions whenever this emissions unit is in operation and shall maintain the control device(s) in accordance with the manufacturer's recommendations, instructions, and/or operating manual(s), with any modifications deemed necessary by the permittee.

[OAC rule 3745-17-11(C)(1) and (2)(b), OAC rule 3745-77-07(C)(1)]

(2) The permittee shall expeditiously repair the control device(s) or otherwise return it/them to normal operations, as recommended by the manufacturer with any modifications deemed necessary by the permittee, whenever it is determined that the control device is not operating in accordance with these requirements.

[OAC rule 3745-17-11(C)(2)(e) and OAC rule 3745-77-07(C)(1)]

(3) The permittee shall maintain documentation of the manufacturer's recommendations, instructions, or operating manuals for the control device(s), along with documentation of any modifications deemed necessary by the permittee. These documents shall be maintained at the facility and shall be made available to the appropriate Ohio EPA District Office or local air agency upon request.

[OAC 3745-17-11(C)(2)(a) and OAC rule 3745-77-07(C)(1)]

(4) The permittee shall conduct periodic inspections of the control device(s) to determine whether it/they is/are operating in accordance with the manufacturer's recommendations, instructions, or operating manuals with any modifications deemed necessary by the permittee or operator. These inspections shall be performed at a frequency that shall be based upon the recommendation of the manufacturer and the permittee shall maintain a copy of the manufacturer's recommended inspection frequency and it shall be made available to the Ohio EPA upon request.

[OAC rule 3745-17-11(C)(2)(c) and OAC rule 3745-77-07(C)(1)]

(5) In addition to the recommended periodic inspections, not less than once each calendar year the permittee shall conduct a comprehensive inspection of the control device(s) while the emissions unit is shut down and perform any needed maintenance and repair to ensure that it/they is/are operated in accordance with the manufacturer's recommendations.

[OAC rule 3745-17-11(C)(2)(c) and OAC rule 3745-77-07(C)(1)]

(6) The permittee shall document each inspection (periodic and annual) of the control device(s) and shall maintain the following information:

a. the date of the inspection;
b. a description of each/any problem identified and the date it was corrected;
c. a description of any maintenance and repairs performed; and
d. the name of person who performed the inspection.

These records shall be maintained at the facility for not less than five years from the date the inspection and any necessary maintenance or repairs were completed and shall be made available to the appropriate Ohio EPA District Office or local air agency upon request.

[OAC rule 3745-17-11(C)(2)(d) and (f), OAC rule 3745-77-07(C)(1)]

(7) The permittee shall maintain records that document any time periods when the control device(s) was/were not in service when the emissions unit(s) was/were in operation, as well as, a record of all operations during which the control device(s) was/were not operated according to the manufacturer’s recommendations with any documented modifications made by the permittee. These records shall be maintained for a period of not less than five years and shall be made available to the Ohio EPA upon request.

[OAC rule 3745-17-11(C)(2)(f) and (g) for OAC rule 3745-17-11(C)(1), OAC rule 3745-77-07(C)(1)]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall collect and record the following information for each month for this emissions unit:

a. the name and identification number of each coating employed; and

b. the VOC content, excluding water and exempt solvents, in pounds per gallon, of each coating employed.

[OAC rule 3745-77-07(C)(1)]

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

63.4130(c)(1) - determination of organic HAP content for each coating according to 63.4141(d) for compliant material option

63.4130)c)(2) - calculations of total organic HAP emissions, organic HAP in waste material (if applicable), volume of coating solids used each month and organic HAP emission rate

[OAC rule 3745-77-01(C)(1) and 40 CFR Part 63, Subpart NNNN]

e) Reporting Requirements

(1) The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any monthly record showing the use of noncomplying coating materials (i.e., for VOC content). The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days following the end of the calendar month.

[OAC rule 3745-77-07(C)(1)]

(2) The permittee shall submit semiannual reports and such other notifications and reports to the appropriate Ohio EPA District office or local air agency as are required pursuant to 40 CFR Part 63, Subpart NNNN, per the following sections:

63.4120(a) - semiannual compliance report

[OAC rule 3745-77-01(C)(1) and 40 CFR Part 63, Subpart NNNN]

(3) The permittee shall submit quarterly deviation reports that identify any daily record showing that the control device(s) was/were not in service or not operated according to manufacturer's recommendations (with any documented modifications made by the permittee) when the emissions unit(s) was/were in operation;

The quarterly reports shall be submitted each year by January 31 (covering October to December), April 30 (covering January to March), July 31 (covering April to June), and October 31 (covering July to September), unless an alternative schedule has been established and approved by the Director (the appropriate District Office or local air agency).

[OAC rule 3745-15-03(B)(1)(a) and OAC rule 3745-15-03(C); and OAC rule 3745-77-07(C)(1)]

(4) All reports shall be submitted, electronically through Ohio EPA Air Services.

[OAC rule 3745-15-03(B)(1)(b) and OAC rule 3745-15-03(C)]

f) Testing Requirements

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

a. Emission Limitation: 2.8 lbs of VOC/gallon of coating, excluding water and exempt solvents

Applicable Compliance Method: Compliance shall be based upon the record keeping specified in section d)(1) of the terms and conditions of this permit.

[OAC rule 3745-77-07(C)(1)]

b. Emission Limitation: Visible PE shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method: If required, the permittee shall demonstrate compliance with the visible PE limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

[OAC rule 3745-77-07(C)(1)]

c. Emission Limitation: 1.4 lbs PE/hr

Applicable Compliance Method: To determine the actual worst case PE rate (E), the following equation shall be used for each individual coating operation:

E = PE rate (lbs/hr)

E = maximum coating solids usage rate, in pounds per hour (1-TE) x (1-CE)

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

CE = control efficiency of the control equipment

If required, the permittee shall demonstrate compliance with the emission limitation above pursuant to OAC rule 3745-17-03(B)(10).

[OAC rule 3745-77-07(C)(1)]

d. Emission Limitation: Organic hazardous air pollutants shall not exceed 0.13 kg/liter (1.1 lbs/gal) of coating solids used in the affected source during each compliance period (monthly).

Applicable Compliance Method:

Compliant coating option: Compliance shall be demonstrated in accordance with 63.4140(d) - Equation 2

Emission rate without add-on control option: Compliance shall be demonstrated in accordance with 63.4151 - Equations 1 and 1A through 1C and, if applicable 63.4151(e)(4); 63.4151 - Equation 2; and 63.4151 Equation 3.

[OAC rule 3745-77-07(C)(1) and 40 CFR Part 63, Subpart NNNN]

(2) Any determination of VOC content*, solids content, or density of a coating shall be based on the coating as employed (as applied), including the addition of any thinner or viscosity reducer to the coating. The permittee shall determine the composition of the coatings by formulation data supplied by the manufacturer of the coating or from data determined by an analysis of each coating, as received, by Reference Method 24. The Ohio EPA may require the permittee, if it uses formulation data supplied by the

manufacturer, to determine the VOC contents of the coatings by Reference Method 24 or an equivalent or alternative method.

* "VOC content" means all volatile organic compounds that are in a coating expressed as pounds of VOC per gallon, excluding water and exempt solvents, and kilograms of VOC per liter of coating solids.

[OAC rule 3745-77-07(C)(1)]

g) Miscellaneous Requirements

(1) None.

14. K014, 113 Porcelain Roundware - Wet System

Operations, Property and/or Equipment Description:

Roundware is first coated in the 113 dip tank and then the roundware is sent through a drying oven. After drying, the roundware is sent to the 113 reinforcing and stipple booth where reinforcing and/or stipple is applied. The 113 drying oven and 113 reinforcing and stipple booth were previously numbered as Z028 and Z032, respectively, but have been renumbered and grouped as one unit with the 113 dip tank.

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) None.

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 3745-17-07(A)	Visible particulate emissions (PE) shall not exceed 20 percent opacity, as a six-minute average, except otherwise provided by rule. See b)(2)b. and b)(2)c.
b.	OAC rule 3745-17-11(B)(1)	0.551 lb PE/hr from the reinforcing/stipple booth and 0.62 lb PE/hr from the coating dip tank See b)(2)b. and b)(2)c.
c.	OAC rule 3745-21-09(K)(1)	2.8 lbs of VOC per gallon of coating, excluding water and exempt solvents
d.	OAC rule 3745-17-11(C)	See b)(2)c. and c)(1)
e.	40 CFR Part 63, Subpart NNNN	Organic hazardous air pollutants shall not exceed 0.13 kg/liter (1.1 lbs/gal) of coating solids used in the affected source during each compliance period (monthly). See b)(2)d.

(2) Additional Terms and Conditions

a. Each coating operation (reinforcing/stipple applications and coating dip tank) is equipped with baffles and a water curtain for material recovery.

b. The requirements to comply with this rule shall terminate on the date the U.S. EPA approves the requirements based on OAC rule 3745-17-11(C) as a revision to the Ohio SIP for particulate emissions.

c. On February 1, 2008, OAC rule 3745-17-11 was revised to include paragraph (C) pertaining to requirements for controlling of particulate emissions from surface coating processes. Paragraph (C) of OAC rule 3745-17-11 shall be federally enforceable on the date the U.S. EPA approves paragraph (C) of OAC rule 3745-17-11 as a revision to the Ohio State Implementation Plan.

[OAC rule 3745-17-11(C) OAC rule 3745-77-07(C)(1)]

d. The permittee shall comply with the emission limitation for the affected source of which this emissions unit is a component by using one of the two compliance options below:

63.4091(a) - compliant material option

63.4091(b) - emission rate without add-on controls option

c) Operational Restrictions

(1) The permittee shall operate the dry particulate filter, waterwash, or equivalent control device or devices for the control of particulate emissions whenever this emissions unit is in operation and shall maintain the control device(s) in accordance with the manufacturer's recommendations, instructions, and/or operating manual(s), with any modifications deemed necessary by the permittee.

[OAC rule 3745-17-11(C)(1) and (2)(b), OAC rule 3745-77-07(A)(1)]

(2) The permittee shall expeditiously repair the control device(s) or otherwise return it/them to normal operations, as recommended by the manufacturer with any modifications deemed necessary by the permittee, whenever it is determined that the control device is not operating in accordance with these requirements.

[OAC rule 3745-17-11(C)(2)(e) and OAC rule 3745-77-07(A)(1)]

(3) The permittee shall maintain documentation of the manufacturer's recommendations, instructions, or operating manuals for the control device(s), along with documentation of any modifications deemed necessary by the permittee. These documents shall be maintained at the facility and shall be made available to the appropriate Ohio EPA District Office or local air agency upon request.

[OAC 3745-17-11(C)(2)(a) and OAC rule 3745-77-07(A)(1)]

(4) The permittee shall conduct periodic inspections of the control device(s) to determine whether it/they is/are operating in accordance with the manufacturer's recommendations, instructions, or operating manuals with any modifications deemed necessary by the permittee or operator. These inspections shall be performed at a frequency that shall be based upon the recommendation of the manufacturer and the permittee shall maintain a copy of the manufacturer's recommended inspection frequency and it shall be made available to the Ohio EPA upon request.

[OAC rule 3745-17-11(C)(2)(c) and OAC rule 3745-77-07(A)(1)]

(5) In addition to the recommended periodic inspections, not less than once each calendar year the permittee shall conduct a comprehensive inspection of the control device(s) while the emissions unit is shut down and perform any needed maintenance and repair to ensure that it/they is/are operated in accordance with the manufacturer's recommendations.

[OAC rule 3745-17-11(C)(2)(c) and OAC rule 3745-77-07(A)(1)]

(6) The permittee shall document each inspection (periodic and annual) of the control device(s) and shall maintain the following information:

a. the date of the inspection;
b. a description of each/any problem identified and the date it was corrected;
c. a description of any maintenance and repairs performed; and
d. the name of person who performed the inspection.

These records shall be maintained at the facility for not less than five years from the date the inspection and any necessary maintenance or repairs were completed and shall be made available to the appropriate Ohio EPA District Office or local air agency upon request.

[OAC rule 3745-17-11(C)(2)(d) and (f), OAC rule 3745-77-07(A)(1)]

(7) The permittee shall maintain records that document any time periods when the control device(s) was/were not in service when the emissions unit(s) was/were in operation, as well as, a record of all operations during which the control device(s) was/were not operated according to the manufacturer’s recommendations with any documented modifications made by the permittee. These records shall be maintained for a period of not less than five years and shall be made available to the Ohio EPA upon request.

[OAC rule 3745-17-11(C)(2)(f) and (g) for OAC rule 3745-17-11(C)(1), OAC rule 3745-77-07(A)(1)]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall collect and record the following information for each month for this emissions unit:

a. the name and identification number of each coating employed; and

b. the VOC content, excluding water and exempt solvents, in pounds per gallon, of each coating employed.

[OAC rule 3745-77-07(C)(1)]

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

63.4130(c)(1) - determination of organic HAP content for each coating according to 63.4141(d) for compliant material option

63.4130)c)(2) - calculations of total organic HAP emissions, organic HAP in waste material (if applicable), volume of coating solids used each month and organic HAP emission rate

[OAC rule 3745-77-07(C)(1) and 40 CFR Part 63, Subpart NNNN]

e) Reporting Requirements

(1) The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any monthly record showing the use of noncomplying coating materials (i.e., for VOC content). The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days following the end of the calendar month.

[OAC rule 3745-77-07(C)(1)]

(2) The permittee shall submit semiannual reports and such other notifications and reports to the appropriate Ohio EPA District office or local air agency as are required pursuant to 40 CFR Part 63, Subpart NNNN, per the following sections:

63.4120(a) - semiannual compliance report

[OAC rule 3745-77-01(C)(1) and 40 CFR Part 63, Subpart NNNN]

(3) The permittee shall submit quarterly deviation reports that identify any daily record showing that the control device(s) was/were not in service or not operated according to manufacturer's recommendations (with any documented modifications made by the permittee) when the emissions unit(s) was/were in operation;

The quarterly reports shall be submitted each year by January 31 (covering October to December), April 30 (covering January to March), July 31 (covering April to June), and October 31 (covering July to September), unless an alternative schedule has been established and approved by the Director (the appropriate District Office or local air agency).

[OAC rule 3745-15-03(B)(1)(a) and OAC rule 3745-15-03(C); and OAC rule 3745-77-07(C)(1)]

(4) All reports shall be submitted, electronically through Ohio EPA Air Services.

[OAC rule 3745-15-03(B)(1)(b) and OAC rule 3745-15-03(C) and OAC rule 3745-77-07(C)(1)]

f) Testing Requirements

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

a. Emission Limitation: 2.8 lbs of VOC/gallon of coating, excluding water and exempt solvents

Applicable Compliance Method: Compliance shall be based upon the record keeping specified in section d)(1) of the terms and conditions of this permit.

[OAC rule 3745-77-07(C)(1)]

b. Emission Limitation:
Visible particulate emissions (PE) shall not exceed twenty percent opacity, as a six-minute average except as provided by rule.

Applicable Compliance Method:
If required, compliance with the visible emissions limitation above shall be determined in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

[OAC rule 3745-77-07(C)(1)]

c. Emission Limitation:
0.551 lb PE/hr from reinforcing/stipple booth;

0.62 lb PE/hr from coating dip tank

Applicable Compliance Method:
To determine the actual worst case PE rate (E), the following equation shall be used for each individual coating operation:

E = PE rate (lbs/hr)

E = maximum coating solids usage rate, in pounds per hour (1-TE) x (1-CE)

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

CE = control efficiency of the control equipment

If required, the permittee shall demonstrate compliance with the emission limitation above pursuant to OAC rule 3745-17-03(B)(10).

[OAC rule 3745-77-07(C)(1)]

d. Emission Limitation:
Organic hazardous air pollutants shall not exceed 0.13 kg/liter (1.1 lbs/gal) of coating solids used in the affected source during each compliance period (monthly).

Applicable Compliance Method:
Compliant coating option: Compliance shall be demonstrated in accordance with 63.4140(d) - Equation 2

Emission rate without add-on control option: Compliance shall be demonstrated in accordance with 63.4151 - Equations 1 and 1A through 1C and, if applicable 63.4151(e)(4); 63.4151 - Equation 2; and 63.4151 Equation 3.

[OAC rule 3745-77-07(C)(1) and 40 CFR Part 63, Subpart NNNN]

g) Miscellaneous Requirements

(1) None.

15. K015, 119 Porcelain Roundware - Wet System

Operations, Property and/or Equipment Description:

Roundware is first coated in the 119 dip tank and then the roundware is sent through a drying oven. After drying, the roundware is sent to the 119 reinforcing and stipple booth where reinforcing and/or stipple is applied. The 119 drying oven and 119 reinforcing and stipple booth were previously numbered as Z027 and Z031, respectively, but have been renumbered and grouped as one unit with the 119 dip tank.

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) None.

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 3745-17-07(A)	Visible particulate emissions (PE) shall not exceed 20 percent opacity, as a six-minute average, except otherwise provided by rule. See b)(2)b. and b)(2)c.
b.	OAC rule 3745-17-11(B)(1)	0.551 lb PE/hr from the reinforcing/stipple booth and 0.62 lb PE/hr from the coating dip tank See b)(2)b. and b)(2)c.
c.	OAC rule 3745-21-09(K)(1)	2.8 lbs of VOC per gallon of coating, excluding water and exempt solvents
d.	OAC rule 3745-17-11(C)	See b)(2)c. and c)(1)
e.	40 CFR Part 63, Subpart NNNN	Organic hazardous air pollutants shall not exceed 0.13 kg/liter (1.1 lbs/gal) of coating solids used in the affected source during each compliance period (monthly). See b)(2)d.

(2) Additional Terms and Conditions

a. Each coating operation (reinforcing/stipple applications and coating dip tank) is equipped with baffles and a water curtain for material recovery.

b. The requirements to comply with this rule shall terminate on the date the U.S. EPA approves the requirements based on OAC rule 3745-17-11(C) as a revision to the Ohio SIP for particulate emissions.

c. On February 1, 2008, OAC rule 3745-17-11 was revised to include paragraph (C) pertaining to requirements for controlling of particulate emissions from surface coating processes. Paragraph (C) of OAC rule 3745-17-11 shall be federally enforceable on the date the U.S. EPA approves paragraph (C) of OAC rule 3745-17-11 as a revision to the Ohio State Implementation Plan.

[OAC rule 3745-17-11(C) OAC rule 3745-77-07(C)(1)]

d. The permittee shall comply with the emission limitation for the affected source of which this emissions unit is a component by using one of the two compliance options below:

63.4091(a) - compliant material option

63.4091(b) - emission rate without add-on controls option

c) Operational Restrictions

(1) The permittee shall operate the dry particulate filter, waterwash, or equivalent control device or devices for the control of particulate emissions whenever this emissions unit is in operation and shall maintain the control device(s) in accordance with the manufacturer's recommendations, instructions, and/or operating manual(s), with any modifications deemed necessary by the permittee.

[OAC rule 3745-17-11(C)(1) and (2)(b), OAC rule 3745-77-07(A)(1)]

(2) The permittee shall expeditiously repair the control device(s) or otherwise return it/them to normal operations, as recommended by the manufacturer with any modifications deemed necessary by the permittee, whenever it is determined that the control device is not operating in accordance with these requirements.

[OAC rule 3745-17-11(C)(2)(e) and OAC rule 3745-77-07(A)(1)]

(3) The permittee shall maintain documentation of the manufacturer's recommendations, instructions, or operating manuals for the control device(s), along with documentation of any modifications deemed necessary by the permittee. These documents shall be maintained at the facility and shall be made available to the appropriate Ohio EPA District Office or local air agency upon request.

[OAC 3745-17-11(C)(2)(a) and OAC rule 3745-77-07(A)(1)]

(4) The permittee shall conduct periodic inspections of the control device(s) to determine whether it/they is/are operating in accordance with the manufacturer's recommendations, instructions, or operating manuals with any modifications deemed necessary by the permittee or operator. These inspections shall be performed at a frequency that shall be based upon the recommendation of the manufacturer and the permittee shall maintain a copy of the manufacturer's recommended inspection frequency and it shall be made available to the Ohio EPA upon request.

[OAC rule 3745-17-11(C)(2)(c) and OAC rule 3745-77-07(A)(1)]

(5) In addition to the recommended periodic inspections, not less than once each calendar year the permittee shall conduct a comprehensive inspection of the control device(s) while the emissions unit is shut down and perform any needed maintenance and repair to ensure that it/they is/are operated in accordance with the manufacturer's recommendations.

[OAC rule 3745-17-11(C)(2)(c) and OAC rule 3745-77-07(A)(1)]

(6) The permittee shall document each inspection (periodic and annual) of the control device(s) and shall maintain the following information:

a. the date of the inspection;
b. a description of each/any problem identified and the date it was corrected;
c. a description of any maintenance and repairs performed; and
d. the name of person who performed the inspection.

These records shall be maintained at the facility for not less than five years from the date the inspection and any necessary maintenance or repairs were completed and shall be made available to the appropriate Ohio EPA District Office or local air agency upon request.

[OAC rule 3745-17-11(C)(2)(d) and (f), OAC rule 3745-77-07(A)(1)]

(7) The permittee shall maintain records that document any time periods when the control device(s) was/were not in service when the emissions unit(s) was/were in operation, as well as, a record of all operations during which the control device(s) was/were not operated according to the manufacturer’s recommendations with any documented modifications made by the permittee. These records shall be maintained for a period of not less than five years and shall be made available to the Ohio EPA upon request.

[OAC rule 3745-17-11(C)(2)(f) and (g) for OAC rule 3745-17-11(C)(1), OAC rule 3745-77-07(A)(1)]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall collect and record the following information for each month for this emissions unit:

a. the name and identification number of each coating employed; and

b. the VOC content, excluding water and exempt solvents, in pounds per gallon, of each coating employed.

[OAC rule 3745-77-07(C)(1)]

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

63.4130(c)(1) - determination of organic HAP content for each coating according to 63.4141(d) for compliant material option

63.4130)c)(2) - calculations of total organic HAP emissions, organic HAP in waste material (if applicable), volume of coating solids used each month and organic HAP emission rate

[OAC rule 3745-77-07(C)(1) and 40 CFR Part 63, Subpart NNNN]

e) Reporting Requirements

(1) The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any monthly record showing the use of noncomplying coating materials (i.e., for VOC content). The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days following the end of the calendar month.

[OAC rule 3745-77-07(C)(1)]

(2) The permittee shall submit semiannual reports and such other notifications and reports to the appropriate Ohio EPA District office or local air agency as are required pursuant to 40 CFR Part 63, Subpart NNNN, per the following sections:

63.4120(a) - semiannual compliance report

[OAC rule 3745-77-01(C)(1) and 40 CFR Part 63, Subpart NNNN]

(3) The permittee shall submit quarterly deviation reports that identify any daily record showing that the control device(s) was/were not in service or not operated according to manufacturer's recommendations (with any documented modifications made by the permittee) when the emissions unit(s) was/were in operation;

The quarterly reports shall be submitted each year by January 31 (covering October to December), April 30 (covering January to March), July 31 (covering April to June), and October 31 (covering July to September), unless an alternative schedule has been established and approved by the Director (the appropriate District Office or local air agency).

[OAC rule 3745-15-03(B)(1)(a) and OAC rule 3745-15-03(C); and OAC rule 3745-77-07(C)(1)]

(4) All reports shall be submitted, electronically through Ohio EPA Air Services.

[OAC rule 3745-15-03(B)(1)(b) and OAC rule 3745-15-03(C) and OAC rule 3745-77-07(C)(1)]

f) Testing Requirements

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

a. Emission Limitation: 2.8 lbs of VOC/gallon of coating, excluding water and exempt solvents

Applicable Compliance Method: Compliance shall be based upon the record keeping specified in section d)(1) of the terms and conditions of this permit.

[OAC rule 3745-77-07(C)(1)]

b. Emission Limitation:
Visible particulate emissions (PE) shall not exceed twenty percent opacity, as a six-minute average except as provided by rule.

Applicable Compliance Method:
If required, compliance with the visible emissions limitation above shall be determined in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

[OAC rule 3745-77-07(C)(1)]

c. Emission Limitation:
0.551 lb PE/hr from reinforcing/stipple booth;

0.62 lb PE/hr from coating dip tank

Applicable Compliance Method:
To determine the actual worst case PE rate (E), the following equation shall be used for each individual coating operation:

E = PE rate (lbs/hr)

E = maximum coating solids usage rate, in pounds per hour (1-TE) x (1-CE)

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

CE = control efficiency of the control equipment

If required, the permittee shall demonstrate compliance with the emission limitation above pursuant to OAC rule 3745-17-03(B)(10).

[OAC rule 3745-77-07(C)(1)]

d. Emission Limitation:
Organic hazardous air pollutants shall not exceed 0.13 kg/liter (1.1 lbs/gal) of coating solids used in the affected source during each compliance period (monthly).

Applicable Compliance Method:
Compliant coating option: Compliance shall be demonstrated in accordance with 63.4140(d) - Equation 2

Emission rate without add-on control option: Compliance shall be demonstrated in accordance with 63.4151 - Equations 1 and 1A through 1C and, if applicable 63.4151(e)(4); 63.4151 - Equation 2; and 63.4151 Equation 3.

[OAC rule 3745-77-07(C)(1) and 40 CFR Part 63, Subpart NNNN]

g) Miscellaneous Requirements

(1) None.

16. K016, New Powder Coat System

Operations, Property and/or Equipment Description:

New organic powder coating system, tied to K010. Automatic electrostatic spray guns apply powder coating.

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) None.

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)(a) (PTI P0104267, issued 6/17/09)	2.93 lbs volatile organic compounds (VOC)/hr and 12.83 tons VOC/yr from the color coating operation and clear coating operation combined. See b)(2)a. The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(K)(1) and 40 CFR Part 63, Subpart NNNN.
b.	OAC rule 3745-31-05-(A)(3)(a)(ii)	See b)(2)b.
c.	OAC rule 3745-21-09(K)(1)	2.8 pounds of VOC per gallon of coating, excluding water and exempt solvents
d.	OAC rule 3745-17-07(A)	Visible particulate emissions (PE) shall not exceed twenty percent opacity, as a six-minute average except as provided by rule. See b)(2)c. and b)(2)d.
e.	OAC rule 3745-17-11(B)	0.99 lb PE/hr from color coat booth; and 0.99 lb PE/hr from clear coat booth See b)(2)c. and b)(2)d.
f.	OAC rule 3745-17-11(C)	See b)(2)d. and c)(1)
g.	40 CFR Part 63, Subpart NNNN	See 40 CFR Part 63.4090(a) Organic hazardous air pollutants shall not exceed 0.13 kg/liter (1.1 lbs/gal) of

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		coating solids used in the affected source during each compliance period (monthly). See b)(2)e.

(2) Additional Terms and Conditions

a. The "Best Available Technology (BAT)" requirements under OAC rule 3745-31-05(A)(3)(a) are not applicable to the particulate emissions (PE) emitted from this emissions unit [PE is emitted in the form of filterable particulate matter 10 microns or less in size (PM_{10})]. BAT is only applicable to emissions of an air contaminant or precursor of an air contaminant for which a national ambient air quality standard (NAAQS) has been adopted under the Clean Air Act. Particulate emissions (also referred to as total suspended particulate or particulate matter) is an air contaminant that does not involve an established NAAQS.

b. Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3)(a) do not apply to emissions of particulate matter less than or equal to 10 microns (PM10), nitrogen oxides (NOx) and carbon monoxide (CO) from this emissions unit since the calculated annual emissions for PM10, NOx and CO are less than ten tons per year.

Each coating operation (color coat and clear coat) is equipped with a dry filtration system consisting of cartridge filters and "final" filters in series. The exhaust from each dry filtration system is directed back to the associated powder coating room. The color coating operation additionally utilizes a cyclone to reclaim powder coating material before the exhaust is directed to the cartridge and "final" filters. All emissions of particulate matter from the dry filtration system are PM_{10}.

NOx and CO are emitted as bi-products from the combustion of natural gas from the gel oven.

c. The requirements to comply with this rule shall terminate on the date the U.S. EPA approves the requirements based on OAC rule 3745-17-11(C) as a revision to the Ohio SIP for particulate emissions.

d. On February 1, 2008, OAC rule 3745-17-11 was revised to include paragraph (C) pertaining to requirements for controlling of particulate emissions from surface coating processes. Paragraph (C) of OAC rule 3745-17-11 shall be federally enforceable on the date the U.S. EPA approves paragraph (C) of OAC rule 3745-17-11 as a revision to the Ohio State Implementation Plan.

[OAC rule 3745-17-11(C) OAC rule 3745-77-07(C)(1)]

e. The permittee shall comply with the emission limitation for the affected source of which this emissions unit is a component by using one of the two compliance options below:

63.4091(a) - compliant material option

63.4091(b) - emission rate without add-on controls option

c) Operational Restrictions

(1) The permittee shall operate the dry particulate filter, waterwash, or equivalent control device or devices for the control of particulate emissions whenever this emissions unit is in operation and shall maintain the control device(s) in accordance with the manufacturer's recommendations, instructions, and/or operating manual(s), with any modifications deemed necessary by the permittee.

[OAC rule 3745-17-11(C)(1) and (2)(b), OAC rule 3745-77-07(A)(1)]

(2) The permittee shall expeditiously repair the control device(s) or otherwise return it/them to normal operations, as recommended by the manufacturer with any modifications deemed necessary by the permittee, whenever it is determined that the control device is not operating in accordance with these requirements.

[OAC rule 3745-17-11(C)(2)(e) and OAC rule 3745-77-07(A)(1)]

(3) The permittee shall maintain documentation of the manufacturer's recommendations, instructions, or operating manuals for the control device(s), along with documentation of any modifications deemed necessary by the permittee. These documents shall be maintained at the facility and shall be made available to the appropriate Ohio EPA District Office or local air agency upon request.

[OAC 3745-17-11(C)(2)(a) and OAC rule 3745-77-07(A)(1)]

(4) The permittee shall conduct periodic inspections of the control device(s) to determine whether it/they is/are operating in accordance with the manufacturer's recommendations, instructions, or operating manuals with any modifications deemed necessary by the permittee or operator. These inspections shall be performed at a frequency that shall be based upon the recommendation of the manufacturer and the permittee shall maintain a copy of the manufacturer's recommended inspection frequency and it shall be made available to the Ohio EPA upon request.

[OAC rule 3745-17-11(C)(2)(c) and OAC rule 3745-77-07(A)(1)]

(5) In addition to the recommended periodic inspections, not less than once each calendar year the permittee shall conduct a comprehensive inspection of the control device(s) while the emissions unit is shut down and perform any needed maintenance and repair to ensure that it/they is/are operated in accordance with the manufacturer's recommendations.

[OAC rule 3745-17-11(C)(2)(c) and OAC rule 3745-77-07(A)(1)]

(6) The permittee shall document each inspection (periodic and annual) of the control device(s) and shall maintain the following information:

a. the date of the inspection;
b. a description of each/any problem identified and the date it was corrected;
c. a description of any maintenance and repairs performed; and
d. the name of person who performed the inspection.

These records shall be maintained at the facility for not less than five years from the date the inspection and any necessary maintenance or repairs were completed and shall be made available to the appropriate Ohio EPA District Office or local air agency upon request.

[OAC rule 3745-17-11(C)(2)(d) and (f), OAC rule 3745-77-07(A)(1)]

(7) The permittee shall maintain records that document any time periods when the control device(s) was/were not in service when the emissions unit(s) was/were in operation, as well as, a record of all operations during which the control device(s) was/were not operated according to the manufacturer's recommendations with any documented modifications made by the permittee. These records shall be maintained for a period of not less than five years and shall be made available to the Ohio EPA upon request.

[OAC rule 3745-17-11(C)(2)(f) and (g) for OAC rule 3745-17-11(C)(1), OAC rule 3745-77-07(A)(1)]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall collect and record the following information for each month for this emissions unit:

a. the name and identification number of each coating employed;

b. the VOC content of each coating (excluding water and exempt solvents), as applied, in lbs/gal [the VOC content excluding water and exempt solvents shall be calculated in accordance with the equation specified in paragraph (B)(8) of OAC rule 3745-21-10 for $C_{VOC,2}$].

c. the VOC content as applied, in pounds per pound, of each coating employed;

d. the quantity, in pounds, of each coating employed;

e. the emissions of VOC for each coating employed (c x d), in pounds;

f. the total emissions of VOC for all coatings employed (summation of e for all coatings, divided by 2000), in tons; and

g. the annual, year-to-date VOC emission rate for all coatings employed, [summation of f. for each calendar month to date from January to December], in tons.

[OAC rule 3745-77-07(C)(1), PTI P0104267, OAC rule 3745-21-09(K)(1)]

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

63.4130(c)(1) - determination of organic HAP content for each coating according to 63.4141(d) for compliant material option

63.4130)(c)(2) - calculations of total organic HAP emissions, organic HAP in waste material (if applicable), volume of coating solids used each month and organic HAP emission rate

[OAC rule 3745-77-07(C)(1), PTI P0104267 and 40 CFR Part 63, Subpart NNNN]

e) Reporting Requirements

(1) The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any monthly record showing the use of noncomplying coating materials (i.e., for VOC content). The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days following the end of the calendar month.

[OAC rule 3745-21-09(K)(1), PTI P0104267 and OAC rule 3745-77-01(C)(1)]

(2) The permittee shall submit annual reports that summarize the total annual actual VOC emissions from all coating usage for this emissions unit. These reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

[OAC rule 3745-77-07(C)(1) and PTI P0104267]

(3) The permittee shall submit semiannual reports and such other notifications and reports to the appropriate Ohio EPA District office or local air agency as are required pursuant to 40 CFR Part 63, Subpart NNNN, per the following sections:

63.4120(a) - semiannual compliance report

[OAC rule 3745-77-07(C)(1), PTI P0104267 and 40 CFR Part 63, Subpart NNNN]

(4) All reports shall be submitted, electronically through Ohio EPA Air Services.

[OAC rule 3745-15-03(B)(1)(b) and OAC rule 3745-15-03(C) and OAC rule 3745-77-07(C)(1)]

f) Testing Requirements

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

a. <u>Emission Limitation</u>:
2.93 lbs volatile organic compounds (VOC)/hr and 12.83 tons VOC/yr from the color coat booth and clear coat booth combined.

<u>Applicable Compliance Method:</u>
The hourly allowable VOC emission limitation above represents the potential to emit for this emission unit and was established by multiplying the maximum hourly coatings usage rate (488.8 pounds per hour) by the maximum VOC content of the coating (0.006 pound per pound).

The annual allowable VOC limitation was developed by multiplying the hourly limitation by 8760, and then dividing by 2000. Therefore, if compliance is shown with the hourly limitation, compliance is shown with the annual limitation.

[OAC 3745-77-07(C)(1) and PTI P0104267]

b. Emission Limitation:
2.8 pounds of VOC per gallon of coating, excluding water and exempt solvents

Applicable Compliance Method:
Compliance shall be based upon the record keeping specified in Section d)(1) of the terms and conditions of this permit.

[OAC 3745-77-07(C)(1), PTI P0104267 and OAC 3745-21-09(K)(1)]

c. Emission Limitation:
Visible particulate emissions (PE) shall not exceed twenty percent opacity, as a six-minute average except as provided by rule.

Applicable Compliance Method:
If required, compliance with the visible emissions limitation above shall be determined in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

[OAC 3745-77-07(C)(1) and PTI P0104267]

d. Emission Limitation:
0.99 lb PE/hr from color coat booth;

0.99 lb PE/hr from clear coat booth

Applicable Compliance Method:
To determine the actual worst case PE rate (E), the following equation shall be used for each individual coating operation:

E = PE rate (lbs/hr)

E = maximum coating solids usage rate, in pounds per hour (1-TE) x (1-CE)

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

CE = control efficiency of the control equipment

If required, the permittee shall demonstrate compliance with the emission limitation above pursuant to OAC rule 3745-17-03(B)(10).

[OAC 3745-77-07(C)(1) and PTI P0104267]

e. Emission Limitation:
Organic hazardous air pollutants shall not exceed 0.13 kg/liter (1.1 lbs/gal) of coating solids used in the affected source during each compliance period (monthly).

Applicable Compliance Method:
Compliant coating option: Compliance shall be demonstrated in accordance with 63.4140(d) - Equation 2

Emission rate without add-on control option: Compliance shall be demonstrated in accordance with 63.4151 - Equations 1 and 1A through 1C and, if applicable 63.4151(e)(4); 63.4151 - Equation 2; and 63.4151 Equation 3.

[OAC 3745-77-07(C)(1), PTI P0104267 and 40 CFR Part 63, Subpart NNNN]

g) Miscellaneous Requirements

(1) None.

17. K017, Alpha Powder coat System

Operations, Property and/or Equipment Description:

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) None.

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)(a) PTI P0104945, issued 6/25/09	7.55 lbs volatile organic compounds (VOC)/hr and 33.07 tons VOC/yr from the color coating operation and clear coating operation combined. See b)(2)a. The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(K)(1) and 40 CFR Part 63, Subpart NNNN.
b.	OAC rule 3745-31-05(A)(3)(a)(ii)	See b)(2)b.
c.	OAC rule 3745-21-09(K)(1)	2.8 pounds of VOC per gallon of coating, excluding water and exempt solvents
d.	OAC rule 3745-17-07(A)	Visible particulate emissions (PE) shall not exceed twenty percent opacity, as a six-minute average except as provided by rule. See b)(2)c. and b)(2)d.
e.	OAC rule 3745-17-11(B)	2.29 lbs PE/hr from the color coat booth; and 2.29 lbs PE/hr from the clear coat booth See b)(2)c. and b)(2)d.
f.	OAC rule 3745-17-11(C)	See b)(2)d. and c)(1)
g.	40 CFR Part 63, Subpart NNNN	See 40 CFR Part 63.4090(a) Organic hazardous air pollutants shall not exceed 0.13 kg/liter (1.1 lbs/gal) of coating solids used in the affected source during each compliance period (monthly).

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		See b)(2)e.

(2) Additional Terms and Conditions

a. The "Best Available Technology (BAT)" requirements under OAC rule 3745-31-05(A)(3)(a) are not applicable to the particulate emissions (PE) emitted from this emissions unit [PE is emitted in the form of filterable particulate matter 10 microns or less in size (PM10)]. BAT is only applicable to emissions of an air contaminant or precursor of an air contaminant for which a national ambient air quality standard (NAAQS) has been adopted under the Clean Air Act. Particulate emissions (also referred to as total suspended particulate or particulate matter) is an air contaminant that does not involve an established NAAQS.

b. Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3)(a) do not apply to emissions of particulate matter less than or equal to 10 microns (PM10), nitrogen oxides (NOx) and carbon monoxide (CO) from this emissions unit since the calculated annual emissions for PM10, NOx and CO are less than ten tons per year.

Each coating operation (color coat and clear coat) is equipped with a dry filtration system consisting of cartridge filters and "final" filters in series. The exhaust from each dry filtration system is directed back to the associated powder coating room. All emissions of particulate matter from the dry filtration system are PM10.

NOx and CO are emitted as bi-products from the combustion of natural gas from the gel oven and final cure oven.

c. The requirements to comply with this rule shall terminate on the date the U.S. EPA approves the requirements based on OAC rule 3745-17-11(C) as a revision to the Ohio SIP for particulate emissions.

d. On February 1, 2008, OAC rule 3745-17-11 was revised to include paragraph (C) pertaining to requirements for controlling of particulate emissions from surface coating processes. Paragraph (C) of OAC rule 3745-17-11 shall be federally enforceable on the date the U.S. EPA approves paragraph (C) of OAC rule 3745-17-11 as a revision to the Ohio State Implementation Plan.

[OAC rule 3745-17-11(C) OAC rule 3745-77-07(C)(1)]

e. The permittee shall comply with the emission limitation for the affected source of which this emissions unit is a component by using one of the two compliance options below:

63.4091(a) - compliant material option

63.4091(b) - emission rate without add-on controls option

c) Operational Restrictions

(1) The permittee shall operate the dry particulate filter, waterwash, or equivalent control device or devices for the control of particulate emissions whenever this emissions unit is in operation and shall maintain the control device(s) in accordance with the manufacturer's recommendations, instructions, and/or operating manual(s), with any modifications deemed necessary by the permittee.

[OAC rule 3745-17-11(C)(1) and (2)(b), OAC rule 3745-77-07(A)(1)]

(2) The permittee shall expeditiously repair the control device(s) or otherwise return it/them to normal operations, as recommended by the manufacturer with any modifications deemed necessary by the permittee, whenever it is determined that the control device is not operating in accordance with these requirements.

[OAC rule 3745-17-11(C)(2)(e) and OAC rule 3745-77-07(A)(1)]

(3) The permittee shall maintain documentation of the manufacturer's recommendations, instructions, or operating manuals for the control device(s), along with documentation of any modifications deemed necessary by the permittee. These documents shall be maintained at the facility and shall be made available to the appropriate Ohio EPA District Office or local air agency upon request.

[OAC 3745-17-11(C)(2)(a) and OAC rule 3745-77-07(A)(1)]

(4) The permittee shall conduct periodic inspections of the control device(s) to determine whether it/they is/are operating in accordance with the manufacturer's recommendations, instructions, or operating manuals with any modifications deemed necessary by the permittee or operator. These inspections shall be performed at a frequency that shall be based upon the recommendation of the manufacturer and the permittee shall maintain a copy of the manufacturer's recommended inspection frequency and it shall be made available to the Ohio EPA upon request.

[OAC rule 3745-17-11(C)(2)(c) and OAC rule 3745-77-07(A)(1)]

(5) In addition to the recommended periodic inspections, not less than once each calendar year the permittee shall conduct a comprehensive inspection of the control device(s) while the emissions unit is shut down and perform any needed maintenance and repair to ensure that it/they is/are operated in accordance with the manufacturer's recommendations.

[OAC rule 3745-17-11(C)(2)(c) and OAC rule 3745-77-07(A)(1)]

(6) The permittee shall document each inspection (periodic and annual) of the control device(s) and shall maintain the following information:

a. the date of the inspection;
b. a description of each/any problem identified and the date it was corrected;
c. a description of any maintenance and repairs performed; and
d. the name of person who performed the inspection.

These records shall be maintained at the facility for not less than five years from the date the inspection and any necessary maintenance or repairs were completed and shall be made available to the appropriate Ohio EPA District Office or local air agency upon request.

[OAC rule 3745-17-11(C)(2)(d) and (f), OAC rule 3745-77-07(A)(1)]

(7) The permittee shall maintain records that document any time periods when the control device(s) was/were not in service when the emissions unit(s) was/were in operation, as well as, a record of all operations during which the control device(s) was/were not operated according to the manufacturer's recommendations with any documented modifications made by the permittee. These records shall be maintained for a period of not less than five years and shall be made available to the Ohio EPA upon request.

[OAC rule 3745-17-11(C)(2)(f) and (g) for OAC rule 3745-17-11(C)(1), OAC rule 3745-77-07(A)(1)]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall collect and record the following information for each month for this emissions unit:

a. the name and identification number of each coating employed;

b. the VOC content of each coating (excluding water and exempt solvents), as applied, in pounds per gallon [the VOC content excluding water and exempt solvents shall be calculated in accordance with the equation specified in paragraph (B)(8) of OAC rule 3745-21-10 for $C_{VOC,2}$].

c. the VOC content as applied, in pounds per pound, for each coating employed;

d. the quantity, in pounds, of each coating employed;

e. the emissions of VOC for each coating employed (c x d), in pounds;

f. the total emissions of VOC for all coatings employed (summation of e for all coatings, divided by 2000), in tons; and

g. the annual, year-to-date VOC emission rate for all coatings employed, [summation of f. for each calendar month to date from January to December], in tons.

[OAC rule 3745-77-07(C)(1), PTI P0104945, OAC rule 3745-21-09(K)(1)]

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

63.4130(c)(1) - determination of organic HAP content for each coating according to 63.4141(d) for compliant material option

63.4130)c)(2) - calculations of total organic HAP emissions, organic HAP in waste material (if applicable), volume of coating solids used each month and organic HAP emission rate

[OAC rule 3745-77-07(C)(1), PTI P0104945 and 40 CFR Part 63, Subpart NNNN]

e) Reporting Requirements

(1) The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any monthly record showing the use of noncomplying coating materials (i.e., for VOC content). The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days following the end of the calendar month.

[OAC rule 3745-21-09(K)(1), PTI P0104945 and OAC rule 3745-77-07(C)(1)]

(2) The permittee shall submit annual reports that summarize the total annual actual VOC emissions from all coating usage for this emissions unit. These reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

[OAC rule 3745-77-07(C)(1) and PTI P0104945]

(3) The permittee shall submit semiannual reports and such other notifications and reports to the appropriate Ohio EPA District office or local air agency as are required pursuant to 40 CFR Part 63, Subpart NNNN, per the following sections:

63.4120(a) - semiannual compliance report

[OAC rule 3745-15-03(B)(1)(b) and OAC rule 3745-15-03(C)]

(4) All reports shall be submitted, electronically through Ohio EPA Air Services.

[OAC rule 3745-15-03(B)(1)(b) and OAC rule 3745-15-03(C) and OAC rule 3745-77-07(C)(1)]

f) Testing Requirements

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

a. <u>Emission Limitation</u>:
7.55 lbs volatile organic compounds (VOC)/hr and 33.07 tons VOC/yr from the color coating operation and clear coating operation combined.

<u>Applicable Compliance Method:</u>
The hourly allowable VOC emission limitation above represents the potential to emit for this emission unit and was established by multiplying the maximum hourly coatings usage rate (1680 pounds per hour) by the maximum allowable OC content of the coating (0.0045 pound per pound).

The annual allowable OC limitation was developed by multiplying the hourly limitation by 8760, and then dividing by 2000. Therefore, if compliance is shown with the hourly limitation, compliance is shown with the annual limitation.

[OAC 3745-77-07(C)(1) and PTI P0104945]

b. Emission Limitation:
2.8 pounds of VOC per gallon of coating, excluding water and exempt solvents

Applicable Compliance Method:
Compliance shall be based upon the record keeping specified in Section d)(1) of the terms and conditions of this permit.

[OAC 3745-77-07(C)(1), PTI P0104945 and OAC 3745-21-09(K)(1)]

Emission Limitation:
Visible particulate emissions (PE) shall not exceed twenty percent opacity, as a six-minute average except as provided by rule.

Applicable Compliance Method:
If required, compliance with the visible emissions limitation above shall be determined in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

[OAC 3745-77-07(C)(1) and PTI P0104945]

c. Emission Limitation:
2.29 lbs PE/hr from color coat booth;

2.29 lbs PE/hr from clear coat booth

Applicable Compliance Method:
To determine the actual worst case PE rate (E), the following equation shall be used for each individual coating operation:

E = PE rate (lbs/hr)

E = maximum coating solids usage rate, in pounds per hour (1-TE) x (1-CE)

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

CE = control efficiency of the control equipment

If required, the permittee shall demonstrate compliance with the emission limitation above pursuant to OAC rule 3745-17-03(B)(10).

[OAC 3745-77-07(C)(1) and PTI P0104945]

d. Emission Limitation:
Organic hazardous air pollutants shall not exceed 0.13 kg/liter (1.1 lbs/gal) of coating solids used in the affected source during each compliance period (monthly).

Applicable Compliance Method:
Compliant coating option: Compliance shall be demonstrated in accordance with 63.4140(d) - Equation 2

Emission rate without add-on control option: Compliance shall be demonstrated in accordance with 63.4151 - Equations 1 and 1A through 1C and, if applicable 63.4151(e)(4); 63.4151 - Equation 2; and 63.4151 Equation 3.

[OAC 3745-77-07(C)(1), PTI P0104945 and 40 CFR Part 63, Subpart NNNN]

g) Miscellaneous Requirements

(1) None.

18. N001, Pyrolysis Furnace #4

Operations, Property and/or Equipment Description:

Furnace with integrated afterburner designed to remove limited amounts of cured coatings from metal parts by pyrolysis or heating.

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) None.

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 3745-17-07(A)	See b)(2)a.
b.	OAC rule 3745-17-09(B)	0.10 lb PE/100 lbs of liquid, semi-solid or solid refuse and salvageable material charged to the incinerator
c.	OAC rule 3745-31-05 (A)(3) (PTI #03-9707 issued 7/31/96)	1.0 lb PE/hr [See b)(2)b.] 4.38 tons PE/yr Visible PE from this emissions unit shall not exceed 5% opacity, except for six minutes in any continuous sixty-minute period during which the opacity shall not exceed 10%. The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-09(B).

(2) Additional Terms and Conditions

a. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05.

b. This emission limitation is equivalent to the emission limitation based on OAC rule 3745-17-09(B).

c) Operational Restrictions

(1) The emissions unit shall be installed, operated and maintained in accordance with the manufacturer's specifications. The permittee shall not change any of the manufacturer's factory preset parameters for the furnace, or physically modify the furnace in any way, without first verifying with the manufacturer that the change(s) would not adversely affect air contaminant emissions from the unit.

[OAC rule 3745-77-07(A)(1) and PTI #03-9707]

(2) The air contaminant control device for this emissions unit shall be designed and operated in accordance with the following requirements:

a. the secondary combustion chamber shall be operated so that the exit gas temperature from the chamber is, at a minimum, 1400 degrees Fahrenheit, taking into account normal start-up procedures.

b. the secondary chamber shall allow for a minimum retention time of 0.5 second at 1400 degrees Fahrenheit, taking into account normal start-up procedures.

[OAC rule 3745-77-07(A)(1) and PTI #03-9707]

(3) The permittee shall adhere to the manufacturer's recommendations pertaining to the operation of this furnace and shall comply with the following operational restrictions:

a. the permittee shall ensure that the furnace is operated only by properly trained personnel who have read, and understand, the furnace's operation manual;

b. prior to start-up of the furnace, the permittee shall remove ash residue left inside the furnace after the previous cycle;

c. during the automatic "water spray check", which is an integral part of the unit's start-up sequence, the operator shall walk to the front of the furnace, look inside, and visually verify that the water spray is functional, and if the water spray is not adequate or the nozzles are plugged, the permittee shall shut down the furnace and take the appropriate steps necessary to fix the problem before restarting the unit;

d. the permittee shall not operate the furnace if the built-in safeguards and interlocks (furnace excess temperature, afterburner excess temperature, low gas pressure switch, high gas pressure switch, and low water pressure switch) are not operating properly; and

e. the permittee shall not process uncured paint or paint sludge, paint filter, waste powder from powder coating operations, nitrocellulose paints, solvents, thinners, PVC, lead, plastisols, rubber-coated material, oil, wood, grease, trash, magnesium, oil filters, ammunition, explosives, fertilizer, or any hazardous waste materials as defined in 40 CFR Part 261, Subpart D in this furnace. Paint hooks covered with coatings that may contain chlorine (e.g. PVC), fluorine (e.g. Teflon), or other elements of a corrosive nature which when combusted would deteriorate the furnace are also prohibited from being processed in this furnace.

[OAC rule 3745-77-07(A)(1) and PTI #03-9707]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible emissions from 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 emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

d. the total duration of any visible emission incident; and

e. any corrective actions taken to eliminate the visible emissions.

If the daily checks show emissions that are representative of normal operation for one operating quarter, the required frequency of visible emission checks may be reduced to weekly (once every week, when this emissions unit is in operation). If a subsequent check by the permittee or an Ohio EPA inspector indicates emissions that are not representative of normal operation, the frequency of emission checks shall revert back to daily until such time as there is one operating quarter of normal visible emissions.

[OAC rule 3745-77-07(C)(1) and PTI #03-9707]

(2) The permittee shall properly operate and maintain the monitoring devices associated with the furnace's safeguards and interlock system.

[OAC rule 3745-77-07(C)(1) and PTI #03-9707]

(3) The permittee shall maintain an operation/maintenance log for this emissions unit. The log shall, at a minimum, contain the following information:

a. the dates the emissions unit was in operation;

b. the number of batches processed for each date the emissions unit was in operation;

c. the date of any malfunction of the emissions unit water spray system and/or safeguards/interlocks, the corrective action taken, and the date it was completed; and

d. the dates and descriptions of any additional maintenance activities performed on the emissions unit.

[OAC rule 3745-77-07(C)(1) and PTI #03-9707]

e) Reporting Requirements

(1) The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from this emissions unit and (b) describe any corrective action taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31and July 31 of each year and shall cover the previous 6-month period.

[OAC rule 3745-77-07(C)(1) and PTI #03-9707]

(2) All reports shall be submitted, electronically through Ohio EPA Air Services.

[OAC rule 3745-15-03(B)(1)(b) and OAC rule 3745-15-03(C)]

f) Testing Requirements

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

a. Emission Limitations: 1.0 lb PE/hr and 0.10 lb PE/100 lbs of liquid, semi-solid or solid refuse and salvageable material charged to the incinerator

Applicable Compliance Method: If required, compliance with the PE limitation above shall be conducted in accordance with Methods 1 through 5 of 40 CFR, Part 60, Appendix A.

[OAC rule 3745-77-07(C)(1) and PTI #03-9707]

b. Emission Limitation: 4.38 tons PE/yr

Applicable Compliance Method: The tons/yr limitation was developed by multiplying the lbs/hr limitation by 8760 hrs/yr and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the lb/hr limitation, compliance shall also be shown with the annual limitation.

[OAC rule 3745-77-07(C)(1) and PTI #03-9707]

c. Emission Limitation: Visible PE from this emissions unit shall not exceed 5% opacity, except for six minutes in any continuous sixty-minute period during which the opacity shall not exceed 10%.

Applicable Compliance Method: If required, the permittee shall demonstrate compliance with the visible PE limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

[OAC rule 3745-77-07(C)(1) and PTI #03-9707]

g) Miscellaneous Requirements

(1) None.

19. N002, Pyrolysis Furnace #6

Operations, Property and/or Equipment Description:

Furnace with integrated afterburner designed to remove limited amounts of cured coatings from metal parts by pyrolysis or heating.

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) None.

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 3745-17-07(A)	See b)(2)a.
b.	OAC rule 3745-17-09(B)	0.10 lb PE/100 lbs of liquid, semi-solid or solid refuse and salvageable material charged to the incinerator
c.	OAC rule 3745-31-05 (A)(3) (PTI #03-9707, issued 7/31/96)	1.0 lb PE/hr [See b)(2)b.] 4.38 tons PE/yr Visible PE from this emissions unit shall not exceed 5% opacity, except for six minutes in any continuous sixty-minute period during which the opacity shall not exceed 10%. The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-09(B).

(2) Additional Terms and Conditions

a. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05.

b. This emission limitation is equivalent to the emission limitation based on OAC rule 3745-17-09(B).

c) Operational Restrictions

(1) The emissions unit shall be installed, operated and maintained in accordance with the manufacturer's specifications. The permittee shall not change any of the manufacturer's factory preset parameters for the furnace, or physically modify the furnace in any way, without first verifying with the manufacturer that the change(s) would not adversely affect air contaminant emissions from the unit.

[OAC rule 3745-77-07(A)(1) and PTI #03-9707]

(2) The air contaminant control device for this emissions unit shall be designed and operated in accordance with the following requirements:

a. the secondary combustion chamber shall be operated so that the exit gas temperature from the chamber is, at a minimum, 1400 degrees Fahrenheit, taking into account normal start-up procedures.

b. the secondary chamber shall allow for a minimum retention time of 0.5 second at 1400 degrees Fahrenheit, taking into account normal start-up procedures.

[OAC rule 3745-77-07(A)(1) and PTI #03-9707]

(3) The permittee shall adhere to the manufacturer's recommendations pertaining to the operation of this furnace and shall comply with the following operational restrictions:

a. the permittee shall ensure that the furnace is operated only by properly trained personnel who have read, and understand, the furnace's operation manual;

b. prior to start-up of the furnace, the permittee shall remove ash residue left inside the furnace after the previous cycle;

c. during the automatic "water spray check", which is an integral part of the unit's start-up sequence, the operator shall walk to the front of the furnace, look inside, and visually verify that the water spray is functional, and if the water spray is not adequate or the nozzles are plugged, the permittee shall shut down the furnace and take the appropriate steps necessary to fix the problem before restarting the unit;

d. the permittee shall not operate the furnace if the built-in safeguards and interlocks (furnace excess temperature, afterburner excess temperature, low gas pressure switch, high gas pressure switch, and low water pressure switch) are not operating properly; and

e. the permittee shall not process uncured paint or paint sludge, paint filter, waste powder from powder coating operations, nitrocellulose paints, solvents, thinners, PVC, lead, plastisols, rubber-coated material, oil, wood, grease, trash, magnesium, oil filters, ammunition, explosives, fertilizer, or any hazardous waste materials as defined in 40 CFR Part 261, Subpart D in this furnace. Paint hooks covered with coatings that may contain chlorine (e.g. PVC), fluorine (e.g. Teflon), or other elements of a corrosive nature which when combusted would deteriorate the furnace are also prohibited from being processed in this furnace.

[OAC rule 3745-77-07(A)(1) and PTI #03-9707]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible emissions from 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 emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

d. the total duration of any visible emission incident; and

e. any corrective actions taken to eliminate the visible emissions.

If the daily checks show emissions that are representative of normal operation for one operating quarter, the required frequency of visible emission checks may be reduced to weekly (once every week, when this emissions unit is in operation). If a subsequent check by the permittee or an Ohio EPA inspector indicates emissions that are not representative of normal operation, the frequency of emission checks shall revert back to daily until such time as there is one operating quarter of normal visible emissions.

[OAC rule 3745-77-07(C)(1) and PTI #03-9707]

(2) The permittee shall properly operate and maintain the monitoring devices associated with the furnace's safeguards and interlock system.

[OAC rule 3745-77-07(C)(1) and PTI #03-9707]

(3) The permittee shall maintain an operation/maintenance log for this emissions unit. The log shall, at a minimum, contain the following information:

a. the dates the emissions unit was in operation;

b. the number of batches processed for each date the emissions unit was in operation;

c. the date of any malfunction of the emissions unit water spray system and/or safeguards/interlocks, the corrective action taken, and the date it was completed; and

d. the dates and descriptions of any additional maintenance activities performed on the emissions unit.

[OAC rule 3745-77-07(C)(1) and PTI #03-9707]

e) Reporting Requirements

(1) The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from this emissions unit and (b) describe any corrective action taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31and July 31 of each year and shall cover the previous 6-month period.

[OAC rule 3745-77-07(C)(1) and PTI #03-9707]

(2) All reports shall be submitted, electronically through Ohio EPA Air Services.

[OAC rule 3745-15-03(B)(1)(b) and OAC rule 3745-15-03(C)]

f) Testing Requirements

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

a. Emission Limitation: 1.0 lb PE/hr and 0.10 lb PE/100 lbs of liquid, semi-solid or solid refuse and salvageable material charged to the incinerator

Applicable Compliance Method: If required, compliance with the PE limitation above shall be conducted in accordance with Methods 1 through 5 of 40 CFR, Part 60, Appendix A.

[OAC rule 3745-77-07(A)(1) and PTI #03-9707]

b. Emission Limitation: 4.38 tons PE/yr

Applicable Compliance Method: The tons/yr limitation was developed by multiplying the lbs/hr limitation by 8760 hrs/yr and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the lb/hr limitation, compliance shall also be shown with the annual limitation.

[OAC rule 3745-77-07(A)(1) and PTI #03-9707]

c. Emission Limitation: Visible PE from this emissions unit shall not exceed 5% opacity, except for six minutes in any continuous sixty-minute period during which the opacity shall not exceed 10%.

Applicable Compliance Method: If required, the permittee shall demonstrate compliance with the visible PE limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

[OAC rule 3745-77-07(A)(1) and PTI #03-9707]

g) Miscellaneous Requirements

(1) None.

20. N003, Pyrolysis Furnace #1

Operations, Property and/or Equipment Description:

Furnace with integrated afterburner designed to remove limited amounts of cured coatings from metal parts by pyrolysis or heating.

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) None.

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 3745-17-07(A)	See (b)(2)a
b.	OAC rule 3745-17-09(B)	0.10 lb PE/100 lbs of liquid, semi-solid or solid refuse and salvageable material charged to the incinerator
c.	OAC rule 3745-31-05 (A)(3) (PTI #03-0965, issued 12/17/97)	1.0 lb PE/hr [See b)(2)b.] 4.38 tons/yr PE Visible PE from this emissions unit shall not exceed 5% opacity, except for six minutes in any continuous sixty-minute period during which the opacity shall not exceed 10%. The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-09(B).

(2) Additional Terms and Conditions

a. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05.

b. This emission limitation is equivalent to the emission limitation based on OAC rule 3745-17-09(B).

c) Operational Restrictions

(1) This emissions unit shall be operated and maintained in accordance with the manufacturer's specifications. The permittee shall not change any of the manufacturer's factory preset parameters for the furnace, or physically modify the furnace in any way, without first verifying, with the manufacturer, that the change(s) would not adversely affect air contaminant emissions from the unit.

(2) The air contaminant control device (afterburner) serving this emissions unit shall be designed and operated in accordance with the following requirements:

a. the secondary combustion chamber shall be operated so that the exit gas temperature from the chamber is, at a minimum, 1400 degrees Fahrenheit, taking into account the normal start-up procedures; and

b. the secondary combustion chamber shall allow for a minimum of 0.5 second retention time at 1400 degrees Fahrenheit, taking into account normal start-up procedures.

(3) The permittee shall comply with the following operational restrictions:

a. ensure that the pyrolysis furnace is operated only by properly trained personnel who have read, and understand, the furnace's operation manual;

b. prior to start-up of the furnace, remove ash residue left inside the furnace after the previous burn cycle;

c. during the automatic "water spray check", which is an integral part of the unit's start-up sequence, the operator shall walk to the front of the furnace, look inside, and visually verify that the water spray is functional, and if the water spray is not adequate or the nozzles are plugged, the permittee shall shut down the furnace and take the appropriate steps necessary to fix the problem before restarting the unit;

d. not operate the furnace if the built-in safeguards and interlocks (furnace excess temperature, afterburner excess temperature, low gas pressure switch, high gas pressure switch, and low water pressure switch) are not operating properly; and

e. the permittee shall not process uncured paint or paint sludge, paint filter, waste powder from powder coating operations, nitrocellulose paints, solvents, thinners, PVC, lead, plastisols, rubber-coated material, oil, wood, grease, trash, magnesium, oil filters, ammunition, explosives, fertilizer, or any hazardous waste materials as defined in 40 CFR Part 261, Subpart D in this furnace. Paint hooks covered with coatings that may contain chlorine (e.g. PVC), fluorine (e.g. Teflon), or other elements of a corrosive nature which when combusted would deteriorate the furnace are also prohibited from being processed in this furnace.

[OAC rule 3745-77-07(A)(1) and PTI #03-0965]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from 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 emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

d. the total duration of any visible emission incident; and

e. any corrective actions taken to eliminate the visible emissions.

If the daily checks show emissions that are representative of normal operation for one operating quarter, the required frequency of visible emission checks may be reduced to weekly (once every week, when this emissions unit is in operation). If a subsequent check by the permittee or an Ohio EPA inspector indicates emissions that are not representative of normal operation, the frequency of emission checks shall revert back to daily until such time as there is one operating quarter of normal visible emissions.

[OAC rule 3745-77-07(C)(1) and PTI #03-0965]

(2) The permittee shall properly operate and maintain the monitoring devices associated with the furnace's safeguards and interlock system.

[OAC rule 3745-77-07(C)(1) and PTI #03-0965]

(3) The permittee shall maintain an operation/maintenance log for this emissions unit. The log shall, at a minimum, contain the following information:

a. the dates the emissions unit was in operation;

b. the number of batches processed for each date the emissions unit was in operation;

c. the date of any malfunction of the emissions unit water spray system and/or safeguards/interlocks, the corrective action taken, and the date it was completed; and

d. the dates and descriptions of any additional maintenance activities performed on the emissions unit.

[OAC rule 3745-77-07(C)(1) and PTI #03-0965]

e) Reporting Requirements

(1) The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit and (b) describe any corrective action taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31and July 31 of each year and shall cover the previous 6-month period.

[OAC rule 3745-77-07(C)(1) and PTI #03-0965]

(2) All reports shall be submitted, electronically through Ohio EPA Air Services.

[OAC rule 3745-15-03(B)(1)(b) and OAC rule 3745-15-03(C)]

f) Testing Requirements

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

a. Emission Limitations: 1.0 lb PE/hr and 0.10 lb PE/100 lbs of liquid, semi-solid or solid refuse and salvageable material charged to the incinerator

Applicable Compliance Method: If required, compliance with the PE limitation above shall be conducted in accordance with Methods 1 through 5 of 40 CFR, Part 60, Appendix A.

[OAC rule 3745-77-07(C)(1) and PTI #03-0965]

Compliance with the annual emission limitation shall be assumed as long as compliance with the hourly limitation is maintained (the annual emission limitation was calculated by multiplying the hourly emission limitation by 8760 and dividing by 2000).

b. Emission Limitation: 4.38 tons PE/yr

Applicable Compliance Method: The tons/yr limitation was developed by multiplying the lbs/hr limitation by 8760 hrs/yr and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the lb/hr limitation, compliance shall also be shown with the annual limitation.

[OAC rule 3745-77-07(C)(1) and PTI #03-0965]

c. Emission Limitation: Visible PE from this emissions unit shall not exceed 5% opacity, except for six minutes in any continuous sixty-minute period during which the opacity shall not exceed 10%.

Applicable Compliance Method: If required, the permittee shall demonstrate compliance with the visible PE limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

[OAC rule 3745-77-07(C)(1) and PTI #03-0965]

g) Miscellaneous Requirements

(1) None.

21. N004, Pyrolysis Furnace #2

Operations, Property and/or Equipment Description:

Furnace with integrated afterburner designed to remove limited amounts of cured coatings from metal parts by pyrolysis or heating.

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) None.

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 3745-17-07(A)	See b)(2)a.
b.	OAC rule 3745-17-09(B)	0.10 lb PE/100 lbs of liquid, semi-solid or solid refuse and salvageable material charged to the incinerator
c.	OAC rule 3745-31-05(A)(3) (PTI #0965, issued 12/17/97)	1.0 lb PE/hr [See b)(2)b.] 4.38 tons/yr PE Visible PE from this emissions unit shall not exceed 5% opacity, except for six minutes in any continuous sixty-minute period during which the opacity shall not exceed 10%. The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-09(B).

(2) Additional Terms and Conditions

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

b. This emission limitation is equivalent to the emission limitation based on OAC rule 3745-17-09(B).

c) Operational Restrictions

(1) This emissions unit shall be operated and maintained in accordance with the manufacturer's specifications. The permittee shall not change any of the manufacturer's factory preset parameters for the furnace, or physically modify the furnace in any way, without first verifying, with the manufacturer, that the change(s) would not adversely affect air contaminant emissions from the unit.

(2) The air contaminant control device (afterburner) serving this emissions unit shall be designed and operated in accordance with the following requirements:

a. the secondary combustion chamber shall be operated so that the exit gas temperature from the chamber is, at a minimum, 1400 degrees Fahrenheit, taking into account the normal start-up procedures; and

b. the secondary combustion chamber shall allow for a minimum of 0.5 second retention time at 1400 degrees Fahrenheit, taking into account normal start-up procedures.

(3) The permittee shall comply with the following operational restrictions:

a. ensure that the pyrolysis furnace is operated only by properly trained personnel who have read, and understand, the furnace's operation manual;

b. prior to start-up of the furnace, remove ash residue left inside the furnace after the previous burn cycle;

c. during the automatic "water spray check", which is an integral part of the unit's start-up sequence, the operator shall walk to the front of the furnace, look inside, and visually verify that the water spray is functional, and if the water spray is not adequate or the nozzles are plugged, the permittee shall shut down the furnace and take the appropriate steps necessary to fix the problem before restarting the unit;

d. not operate the furnace if the built-in safeguards and interlocks (furnace excess temperature, afterburner excess temperature, low gas pressure switch, high gas pressure switch, and low water pressure switch) are not operating properly; and

e. the permittee shall not process uncured paint or paint sludge, paint filter, waste powder from powder coating operations, nitrocellulose paints, solvents, thinners, PVC, lead, plastisols, rubber-coated material, oil, wood, grease, trash, magnesium, oil filters, ammunition, explosives, fertilizer, or any hazardous waste materials as defined in 40 CFR Part 261, Subpart D in this furnace. Paint hooks covered with coatings that may contain chlorine (e.g. PVC), fluorine (e.g. Teflon), or other elements of a corrosive nature which when combusted would deteriorate the furnace are also prohibited from being processed in this furnace.

[OAC rule 3745-77-07(A)(1) and PTI #03-0965]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from 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 emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

d. the total duration of any visible emission incident; and

e. any corrective actions taken to eliminate the visible emissions.

If the daily checks show emissions that are representative of normal operation for one operating quarter, the required frequency of visible emission checks may be reduced to weekly (once every week, when this emissions unit is in operation). If a subsequent check by the permittee or an Ohio EPA inspector indicates emissions that are not representative of normal operation, the frequency of emission checks shall revert back to daily until such time as there is one operating quarter of normal visible emissions.

[OAC rule 3745-77-07(C)(1) and PTI #03-0965]

(2) The permittee shall properly operate and maintain the monitoring devices associated with the furnace's safeguards and interlock system.

[OAC rule 3745-77-07(C)(1) and PTI #03-0965]

(3) The permittee shall maintain an operation/maintenance log for this emissions unit. The log shall, at a minimum, contain the following information:

a. the dates the emissions unit was in operation;

b. the number of batches processed for each date the emissions unit was in operation;

c. the date of any malfunction of the emissions unit water spray system and/or safeguards/interlocks, the corrective action taken, and the date it was completed; and

d. the dates and descriptions of any additional maintenance activities performed on the emissions unit.

[OAC rule 3745-77-07(C)(1) and PTI #03-0965]

e) Reporting Requirements

(1) The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit and (b) describe any corrective action taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31and July 31 of each year and shall cover the previous 6-month period.

[OAC rule 3745-77-07(C)(1) and PTI #03-0965]

(2) All reports shall be submitted, electronically through Ohio EPA Air Services.

[OAC rule 3745-15-03(B)(1)(b) and OAC rule 3745-15-03(C)]

f) Testing Requirements

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

a. Emission Limitations: 1.0 lb PE/hr and 0.10 lb PE/100 lbs of liquid, semi-solid or solid refuse and salvageable material charged to the incinerator

Applicable Compliance Method: If required, compliance with the PE limitation above shall be conducted in accordance with Methods 1 through 5 of 40 CFR, Part 60, Appendix A.

[OAC rule 3745-77-07(C)(1) and PTI #03-0965]

Compliance with the annual emission limitation shall be assumed as long as compliance with the hourly limitation is maintained (the annual emission limitation was calculated by multiplying the hourly emission limitation by 8760 and dividing by 2000).

b. Emission Limitation: 4.38 tons PE/yr

Applicable Compliance Method: The tons/yr limitation was developed by multiplying the lbs/hr limitation by 8760 hrs/yr and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the lb/hr limitation, compliance shall also be shown with the annual limitation.

[OAC rule 3745-77-07(C)(1) and PTI #03-0965]

c. Emission Limitation: Visible PE from this emissions unit shall not exceed 5% opacity, except for six minutes in any continuous sixty-minute period during which the opacity shall not exceed 10%.

Applicable Compliance Method: If required, the permittee shall demonstrate compliance with the visible PE limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

[OAC rule 3745-77-07(C)(1) and PTI #03-0965]

g) Miscellaneous Requirements

(1) None.

22. P023, Pyrolysis Furnace #5

Operations, Property and/or Equipment Description:

Furnace with integrated afterburner designed to remove limited amounts of cured coatings from metal parts by pyrolysis or heating.

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) None.

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 3745-17-07(A)	Visible particulate emissions (PE) shall not exceed 20% opacity, as a six-minute average, except as provided by rule.
b.	OAC rule 3745-17-09(B)	See b)(2)a.
c.	OAC rule 3745-31-05(A)(3) (PTI #03-2677, issued 9/17/86)	0.13 lb PE/hr The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).

(2) Additional Terms and Conditions

a. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05.

c) Operational Restrictions

(1) This emissions unit shall be operated and maintained in accordance with the manufacturer's specifications. The permittee shall not change any of the manufacturer's factory preset parameters for the furnace, or physically modify the furnace in any way, without first verifying, with the manufacturer, that the change(s) would not adversely affect air contaminant emissions from the unit.

(2) The air contaminant control device (afterburner) serving this emissions unit shall be designed and operated in accordance with the following requirements:

a. the secondary combustion chamber shall be operated so that the exit gas temperature from the chamber is, at a minimum, 1200 degrees Fahrenheit, taking into account the normal start-up procedures; and

b. the secondary combustion chamber shall allow for a minimum of 0.5 second retention time at 1200 degrees Fahrenheit, taking into account normal start-up procedures.

(3) The permittee shall comply with the following operational restrictions:

a. ensure that the pyrolysis furnace is operated only by properly trained personnel who have read, and understand, the furnace's operation manual;

b. prior to start-up of the furnace, remove ash residue left inside the furnace after the previous burn cycle;

c. during the automatic "water spray check", which is an integral part of the unit's start-up sequence, the operator shall walk to the front of the furnace, look inside, and visually verify that the water spray is functional, and if the water spray is not adequate or the nozzles are plugged, the permittee shall shut down the furnace and take the appropriate steps necessary to fix the problem before restarting the unit;

d. not operate the furnace if the built-in safeguards and interlocks (furnace excess temperature, afterburner excess temperature, low gas pressure switch, high gas pressure switch, and low water pressure switch) are not operating properly; and

e. the permittee shall not process uncured paint or paint sludge, paint filter, waste powder from powder coating operations, nitrocellulose paints, solvents, thinners, PVC, lead, plastisols, rubber-coated material, oil, wood, grease, trash, magnesium, oil filters, ammunition, explosives, fertilizer, or any hazardous waste materials as defined in 40 CFR Part 261, Subpart D in this furnace. Paint hooks covered with coatings that may contain chlorine (e.g. PVC), fluorine (e.g. Teflon), or other elements of a corrosive nature which when combusted would deteriorate the furnace are also prohibited from being processed in this furnace.

[OAC rule 3745-77-07(A)(1) and PTI #03-2677]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from 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 emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

d. the total duration of any visible emission incident; and

e. any corrective actions taken to eliminate the visible emissions.

If the daily checks show emissions that are representative of normal operation for one operating quarter, the required frequency of visible emission checks may be reduced to weekly (once every week, when this emissions unit is in operation). If a subsequent check by the permittee or an Ohio EPA inspector indicates emissions that are not representative of normal operation, the frequency of emission checks shall revert back to daily until such time as there is one operating quarter of normal visible emissions.

[OAC rule 3745-77-07(C)(1) and PTI #03-2677]

(2) The permittee shall properly operate and maintain the monitoring devices associated with the furnace's safeguards and interlock system.

[OAC rule 3745-77-07(C)(1) and PTI #03-2677]

(3) The permittee shall maintain an operation/maintenance log for this emissions unit. The log shall, at a minimum, contain the following information:

a. the dates the emissions unit was in operation;

b. the number of batches processed for each date the emissions unit was in operation;

c. the date of any malfunction of the emissions unit water spray system and/or safeguards/interlocks, the corrective action taken, and the date it was completed; and

d. the dates and descriptions of any additional maintenance activities performed on the emissions unit.

[OAC rule 3745-77-07(C)(1) and PTI #03-2677]

e) Reporting Requirements

(1) The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit and (b) describe any corrective action taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

[OAC rule 3745-77-07(C)(1) and PTI #03-2677]

(2) All reports shall be submitted, electronically through Ohio EPA Air Services.

[OAC rule 3745-15-03(B)(1)(b) and OAC rule 3745-15-03(C)]

f) Testing Requirements

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

a. Emission Limitations: 0.13 lb PE/hr

Applicable Compliance Method: If required, compliance with the PE limitation above shall be conducted in accordance with Methods 1 through 5 of 40 CFR, Part 60, Appendix A.

[OAC rule 3745-77-07(C)(1) and PTI #03-2677]

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

Applicable Compliance Method: If required, the permittee shall demonstrate compliance with the visible PE limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

[OAC rule 3745-77-07(C)(1) and PTI #03-2677]

g) Miscellaneous Requirements

(1) None.

23. P025, Pyrolysis Furnace #7

Operations, Property and/or Equipment Description:

Furnace with integrated afterburner designed to remove limited amounts of cured coatings from metal parts by pyrolysis or heating.

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) None.

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 3745-17-07(A)	Visible particulate emissions (PE) shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.
b.	OAC rule 3745-17-09(B)	See b)(2)a.
c.	OAC rule 3745-31-05(A)(3) (PTI #03-2677, issued 9/17/86)	0.13 lb PE/hr The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).

(2) Additional Terms and Conditions

a. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05.

c) Operational Restrictions

(1) This emissions unit shall be operated and maintained in accordance with the manufacturer's specifications. The permittee shall not change any of the manufacturer's factory preset parameters for the furnace, or physically modify the furnace in any way, without first verifying, with the manufacturer, that the change(s) would not adversely affect air contaminant emissions from the unit.

(2) The air contaminant control device (afterburner) serving this emissions unit shall be designed and operated in accordance with the following requirements:

a. the secondary combustion chamber shall be operated so that the exit gas temperature from the chamber is, at a minimum, 1200 degrees Fahrenheit, taking into account the normal start-up procedures; and

b. the secondary combustion chamber shall allow for a minimum of 0.5 second retention time at 1200 degrees Fahrenheit, taking into account normal start-up procedures.

(3) The permittee shall comply with the following operational restrictions:

a. ensure that the pyrolysis furnace is operated only by properly trained personnel who have read, and understand, the furnace's operation manual;

b. prior to start-up of the furnace, remove ash residue left inside the furnace after the previous burn cycle;

c. during the automatic "water spray check", which is an integral part of the unit's start-up sequence, the operator shall walk to the front of the furnace, look inside, and visually verify that the water spray is functional, and if the water spray is not adequate or the nozzles are plugged, the permittee shall shut down the furnace and take the appropriate steps necessary to fix the problem before restarting the unit;

d. not operate the furnace if the built-in safeguards and interlocks (furnace excess temperature, afterburner excess temperature, low gas pressure switch, high gas pressure switch, and low water pressure switch) are not operating properly; and

e. the permittee shall not process uncured paint or paint sludge, paint filter, waste powder from powder coating operations, nitrocellulose paints, solvents, thinners, PVC, lead, plastisols, rubber-coated material, oil, wood, grease, trash, magnesium, oil filters, ammunition, explosives, fertilizer, or any hazardous waste materials as defined in 40 CFR Part 261, Subpart D in this furnace. Paint hooks covered with coatings that may contain chlorine (e.g. PVC), fluorine (e.g. Teflon), or other elements of a corrosive nature which when combusted would deteriorate the furnace are also prohibited from being processed in this furnace.

[OAC rule 3745-77-07(A)(1) and PTI #03-2677]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from 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 emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

d. the total duration of any visible emission incident; and

e. any corrective actions taken to eliminate the visible emissions.

If the daily checks show emissions that are representative of normal operation for one operating quarter, the required frequency of visible emission checks may be reduced to weekly (once every week, when this emissions unit is in operation). If a subsequent check by the permittee or an Ohio EPA inspector indicates emissions that are not representative of normal operation, the frequency of emission checks shall revert back to daily until such time as there is one operating quarter of normal visible emissions.

[OAC rule 3745-77-07(C)(1) and PTI #03-2677]

(2) The permittee shall properly operate and maintain the monitoring devices associated with the furnace's safeguards and interlock system.

[OAC rule 3745-77-07(C)(1) and PTI #03-2677]

(3) The permittee shall maintain an operation/maintenance log for this emissions unit. The log shall, at a minimum, contain the following information:

a. the dates the emissions unit was in operation;

b. the number of batches processed for each date the emissions unit was in operation;

c. the date of any malfunction of the emissions unit water spray system and/or safeguards/interlocks, the corrective action taken, and the date it was completed; and

d. the dates and descriptions of any additional maintenance activities performed on the emissions unit.

[OAC rule 3745-77-07(C)(1) and PTI #03-2677]

e) Reporting Requirements

(1) The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit and (b) describe any corrective action taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

[OAC rule 3745-77-07(C)(1) and PTI #03-2677]

(2) All reports shall be submitted, electronically through Ohio EPA Air Services.

[OAC rule 3745-15-03(B)(1)(b) and OAC rule 3745-15-03(C)]

f) Testing Requirements

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

a. Emission Limitations: 0.13 lb PE/hr

Applicable Compliance Method: If required, compliance with the PE limitation above shall be conducted in accordance with Methods 1 through 5 of 40 CFR, Part 60, Appendix A.

[OAC rule 3745-77-07(C)(1) and PTI #03-2677]

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

Applicable Compliance Method: If required, the permittee shall demonstrate compliance with the visible PE limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

[OAC rule 3745-77-07(C)(1) and PTI #03-2677]

g) Miscellaneous Requirements

(1) None.