John R. Kasich, Governor
Mary Taylor, Lt. Governor
Craig W. Butler, Interim Director

1/15/2014

Certified Mail

Facility ID: 0149000402
Permit Number: P0110930
County: Madison

Robert Feltz
Keihin Thermal Technology of America, Inc.
10500 O'Day-Harrison Road
Mount Sterling, OH 43143-9474

RE: FINAL AIR POLLUTION CONTROL TITLE V PERMIT
Permit Type: Renewal

Dear Permit Holder:

Enclosed is a finalOhio Environmental Protection Agency (EPA) Air Pollution Title V permit that allows you to operate the facility in the manner indicated in the permit. Because this permit may contain several conditions and restrictions, we urge you to read it carefully. In this letter you will find the information on the following topics:

- **How to appeal this permit**
- **How to save money, reduce pollution and reduce energy consumption**
- **How to give us feedback on your permitting experience**
- **How to get an electronic copy of your permit**

How to appeal this permit

The issuance of this Title V permit is a final action of the Director and may be appealed to the Environmental Review Appeals Commission pursuant to Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. The appeal must be filed with the Commission within thirty (30) days after notice of the Director's action. The appeal must be accompanied by a filing fee of $70.00, made payable to “Ohio Treasurer Josh Mandel," which the Commission, in its discretion, may reduce if by affidavit you demonstrate that payment of the full amount of the fee would cause extreme hardship. Notice of the filing of the appeal shall be filed with the Director within three (3) days of filing with the Commission. Ohio EPA requests that a copy of the appeal be served upon the Ohio Attorney General’s Office, Environmental Enforcement Section. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
77 South High Street, 17th Floor
Columbus, OH 43215

How to save money, reduce pollution and reduce energy consumption

The Ohio EPA is encouraging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Compliance Assistance and Pollution Prevention at (614) 644-3469. Additionally, all or a portion of the capital expenditures related to installing air pollution control equipment under this permit may be eligible for financing and State tax exemptions through the Ohio Air Quality Development Authority (OAQDA) under Ohio Revised Code Section 3706. For more information, see the OAQDA website: www.ohioairquality.org/clean_air

How to give us feedback on your permitting experience

Please complete a survey at www.epa.ohio.gov/survey.aspx and give us feedback on your permitting experience. We value your opinion.

How to get an electronic copy of your permit

This permit can be accessed electronically via the eBusiness Center: Air Services in Microsoft Word format or in Adobe PDF on the Division of Air Pollution Control (DAPC) Web page, www.epa.ohio.gov/dapc by clicking the "Search for Permits" link under the Permitting topic on the Programs tab.

If you have any questions regarding this permit, please contact the Ohio EPA DAPC, Central District Office as indicated on page one of your permit.

Sincerely,

Michael W. Ahern

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

Cc: U.S. EPA Region 5 *Via E-Mail Notification*
Ohio EPA DAPC, Central District Office

FINAL

Division of Air Pollution Control
Title V Permit
for
Keihin Thermal Technology of America, Inc.

Facility ID:	0149000402
Permit Number:	P0110930
Permit Type:	Renewal
Issued:	1/15/2014
Effective:	2/5/2014
Expiration:	2/5/2019

Division of Air Pollution Control
Title V Permit
for
Keihin Thermal Technology of America, Inc.

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Authorization

Facility ID:	0149000402
Facility Description:	Aluminum manufacturing
Application Number(s):	A0044622, A0046949, A0048032, A0048261
Permit Number:	P0110930
Permit Description:	Renewal Title V operating permit for 32 significant emissions units used for manufacturing aluminum parts.
Permit Type:	Renewal
Issue Date:	1/15/2014
Effective Date:	2/5/2014
Expiration Date:	2/5/2019
Superseded Permit Number:	

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

Keihin Thermal Technology of America, Inc.
10500 O'Day-Harrison Rd
Mount Sterling, OH 43143-9474

Ohio Environmental Protection Agency (EPA)District Office or local air agency responsible for processing and administering your permit:

Ohio EPA DAPC, Central District Office
50 West Town Street, 6th Floor
P.O. Box 1049
Columbus, OH 43216-1049
(614)728-3778

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, Central 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 and no later than 6 months prior to the expiration date.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Craig W. Butler
Interim 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 For State-Only Requirements

(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

(5) Standard Term and Condition A. 30.

(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 recordingsfor 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 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) 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 submittedscheduled maintenancerequests, 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 submitted promptly to the Ohio EPA DAPC, Central District Office. Except as provided below, the written reports shall be submitted 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 to the Ohio EPA DAPC, Central District Office 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." Signature by the Responsible Official may be represented by entry of the personal identification number (PIN) by the Responsible Official as part of the electronic submission process or by the scanned attestation document signed by the Responsible Official that is attached to the electronically submitted written report.

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

(5) Consistent with A.2.c.1. above, reports of any required monitoring and/or record keeping information required to be submitted to Ohio EPA shall be submitted to Ohio EPA DAPC, Central District Office unless otherwise specified.

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

3. Reporting of Any Exceedence of a Federally Enforceable Emission Limitation or Control Requirement Resulting From 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) 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 permitexcept as provided pursuant to A.16 below.

c) This permit may be modified, reopened, revoked, or revoked and reissued, for cause, in accordance with 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 contaminant 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 Ohio EPA DAPC, Central District Office 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 Ohio EPA DAPC, Central District Office) 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 on or before April 30th of each year during the permit term.

(2) Compliance certifications shall include the following:

a. Identification of each term or condition that is the basis of the certification. The identification may include a statement by the Responsible Official that every term and condition that is federally enforceable has been reviewed, and such terms and conditions with which there has been continuous compliance throughout the year are not separately identified.

b. The permittee's current compliance status.

c. Whether compliance was continuous or intermittentconsistent with A.13.d.2.a above.

d. The method(s) used for determining the compliance status of the source currently and over the required reporting period consistent with A.13.d.2.a above.

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 Ohio EPA DAPC, Central District Office 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 Ohio EPA DAPC, Central District Office 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 Federal Register 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 is subject to 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.

Unless otherwise exempted, noemissions unit identified in this permit that has beencertified 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 operating 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 RequirementsUnder 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 theOhio EPA DAPC, Central District Office.

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 Ohio EPA DAPC, Central District Office. 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 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 RequirementsUnder 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 For State-Only Requirements

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 Ohio EPA DAPC, Central District Office 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 Ohio EPA DAPC, Central District Office 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 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 potential to emit; or

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

30. Submitting Documents Required by this Permit

All applications, notifications or reports required by terms and conditions in this permit to be submitted or "reported in writing" are to be submitted to Ohio EPA through the Ohio EPA's eBusiness Center: Air Services web service ("Air Services"). Ohio EPA will accept hard copy submittals on an as-needed basis if the permittee cannot submit the required documents through the Ohio EPA eBusiness Center. In the event ofan alternative hard copy submission in lieu of the eBusiness Center, the post-marked date or the date the document is delivered in person will be recognized as the date submitted. Electronic submission of applications, notifications, or reports required to be submitted to Ohio EPA fulfills the requirement to submit the required information to the Director, the Ohio EPA DAPC, Central District Office, and/or any other individual or organization specifically identified as an additional recipient identified in this permit unless otherwise specified. Consistent with OAC rule 3745-15-03, the required application, notification or report is considered to be "submitted" on the date the submission is successful using a valid electronic signature. Signature by the Responsible Official may be represented as provided through procedures established in Air Services.

B. Facility-Wide Terms and Conditions

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

   a) None.

2. The permittee is advised that this facility may be subject to the "Generally Available Control Technology" (GACT) requirements under40 CFR Part 63 Subpart JJJJJJ, *National Emission Standards for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers Area Sources*. The U.S. EPA is responsible for the administration of the requirements of this rule at this time. It should be noted that the enforcement authority of the GACT requirements is not delegated to Ohio EPA at the time of this permit processing. The complete requirements of this rule (including the Part 63 General Provisions) may be accessed via the Internet from the Electronic code of Federal Regulations (e-CFR) website http://www.ecfr.gov/ or by contacting the appropriate Ohio EPA District Office or Local Air Agency.

3. The following insignificant emissions units at this facility must comply with all applicable State and federal regulations, as well as any emissions 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 requirements contained in a permit-to-install or in the SIP approved versions of OAC Chapters 3745-17, 3745-18, and 3745-21, and/or 40 CFR Part 60 or 63:

EU ID	Operations, Property and/or Equipment Description	
B001	5.25 MMBtu natural gas-fired boiler	
B002	6.5 MMBtu natural gas-fired boiler	
B003	6.5 MMBtu natural gas-fired boiler	
B005	5.4 MMBtu natural gas-fired boiler	
B006	5.4 MMBtu natural gas-fired boiler	
B007	5.25MMBtu natural gas-fired boiler	
B008	8.37 MMBtu natural gas-fired boiler	
B009	6.0 MMBtu natural gas-fired boiler	
B010	6.6MMBtu natural gas-fired boiler	
B011	Natural gas-fired emergency generator (fka: Z005)	
L016	Cold cleaner 1	
L017	Cold cleaner 2	
L018	Cold cleaner 3	
L019	Cold Cleaner 4 (fka: Z014)	
L020	Cold Cleaner (fka: Z018)	
P007	Electric brazing furnace with dryoff oven	
P024	Rogers electric brazing furnace #3 with drying oven	PTI 01-5994
P030	Rogers electric brazing furnace #1 with drying oven	PTI 01-7358
P053	Wheelabrator #1, stainless steel shot abrasive unit	
P408	Shot King steel shot blaster (fka: Z023)	
P409	Wheelabrator #2, stainless steel shot abrasive unit	

C. Emissions Unit Terms and Conditions

1. K002, Powder Paint Booth and Oven

Operations, Property and/or Equipment Description:

Powder Paint Booth and 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) b)(1)e., d)(4) through d)(7), and e)(6)

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(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 are identified below. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) (PTI 01-7359)	Volatile organic compound (VOC) emissions shall not exceed 0.97 pound per hour (lb/hr) and 2.8 tons per year (TPY). Particulate emissions (PE) shall not exceed 0.14 lb/hr and 0.4 TPY. The VOC content of each coating employed shall not exceed 0.31 pound of VOC per gallon of powder coating, excluding water and exempt solvents. Nitrogen oxides (NO_X) emissions from the combustion of natural gas in the bake oven shall not exceed 0.36 lb/hr and 1.58 TPY. See b(2)a., c)(1), and c)(2)
b.	OAC rule 3745-21-09(U)(1)(i)	The VOC emissions limitation established by this rule is less stringent than the VOC emissions limitation established pursuant to OAC rule 3745-31-05(A)(3).
c.	OAC rule 3745-17-11(B)(1)	The PE limitation established by this rule is less stringent than the PE limitation established pursuant to OAC rule 3745-31-05(A)(3).
d.	OAC rule 3745-17-07(A)(1)	Visible PE shall not exceed twenty percent opacity as a six-minute average,

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		except as provided by rule.
e.	ORC 3704.03(F)	See d)(4) through d)(7)

(2) Additional Terms and Conditions

a. The hourly and annual NO_X emissions limitations from the combustion of natural gas in the bake oven were established to reflect the potential to emit for this emissions unit. It is not necessary to develop record keeping and/or reporting requirements to ensure compliance with these limitations.

c) Operational Restrictions

(1) The permittee shall operate the dry filtration system whenever this emissions unit is in operation.

[Authority for term: OAC rule 3745-77-07(A)(1)]

(2) The maximum annual coating usage for this emissions unit shall not exceed 17,920 gallons or 112 tons of powder coating.

[Authority for term: OAC rule 3745-77-07(A)(1)]

d) Monitoring and/or Recordkeeping Requirements

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

a. the name and identification number of each coating, as applied;

b. the total gallons of each powder coating employed, excluding water and exempt solvents;

c. the VOC content of each powder coating, in pounds of VOC per gallon of coating, excluding water and exempt solvents;

d. the total VOC emissions from this emissions unit, i.e., the product of [b. x c.] for all powder coatings employed;

e. the total hours of operation; and

f. the average hourly VOC emissions rate, i.e. [d. / e.].

[Authority for term: OAC rule 3745-21-09(U)(1) and OAC rule 3745-77-07(C)(1)]

(2) The permittee shall record the total annual coating usage (in gallons or tons, including water and exempt solvents) for this emissions unit.

[Authority for term: OAC rule 3745-21-09(U)(1) and OAC rule 3745-77-07(C)(1)]

(3) The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.

[Authority for term: OAC rule 3745-77-07(C)(1)]

(4) The PTI application for emissions unit K002 was evaluated based on the actual materials and the design parameters of the emissions unit's(s') exhaust system, as specified by the permittee. The "Toxic Air Contaminant Statute", ORC 3704.03(F), was applied to this/these emissions unit(s) for each toxic air contaminant listed in OAC rule 3745-114-01, using data from the permit application; and modeling was performed for each toxic air contaminant(s) emitted at over one ton per year using an air dispersion model such as SCREEN3, AERMOD, or ISCST3, or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration result(s) from the approved air dispersion model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as described in the Ohio EPA guidance document entitled "Review of New Sources of Air Toxic Emissions, Option A", as follows:

a. the exposure limit, expressed as a time-weighted average concentration for a conventional 8-hour workday and a 40-hour workweek, for each toxic compound(s) emitted from the emissions unit(s), (as determined from the raw materials processed and/or coatings or other materials applied) has been documented from one of the following sources and in the following order of preference (TLV was and shall be used, if the chemical is listed):

i. threshold limit value (TLV) from the American Conference of Governmental Industrial Hygienists (ACGIH) "Threshold Limit Values for Chemical Substances and Physical Agents Biological Exposure Indices"; or

ii. STEL (short term exposure limit) or the ceiling value from the American Conference of Governmental Industrial Hygienists (ACGIH) "Threshold Limit Values for Chemical Substances and Physical Agents Biological Exposure Indices"; the STEL or ceiling value is multiplied by 0.737 to convert the 15-minute exposure limit to an equivalent 8-hour TLV.

b. The TLV is divided by ten to adjust the standard from the working population to the general public (TLV/10).

c. This standard is/was then adjusted to account for the duration of the exposure or the operating hours of the emissions unit(s), i.e., "**X**" hours per day and "**Y**" days per week, from that of 8 hours per day and 5 days per week. The resulting calculation was (and shall be) used to determine the Maximum Acceptable Ground-Level Concentration (MAGLC):

$$TLV/10 \times 8/X \times 5/Y = 4\ TLV/XY = MAGLC$$

d. The following summarizes the results of dispersion modeling for the significant toxic contaminants (emitted at 1 or more tons/year) or "worst case" toxic contaminant(s):

Toxic Contaminant: Caprolactam

TLV (mg/m3): 1.0 (dust), 23.0 (vapor)

Maximum Hourly Emission Rate (lbs/hr): 0.039 (dust), 0.77 (vapor)

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 2.3 (dust), 45.6 (vapor)

MAGLC (ug/m3): 23.8 (dust), 547 (vapor)

The permittee, has demonstrated that emissions of Caprolactamfrom emissions unit K002is calculated to be less than eighty per cent of the maximum acceptable ground level concentration (MAGLC); any new raw material or processing agent shall not be applied without evaluating each component toxic air contaminant in accordance with the "Toxic Air Contaminant Statute", ORC 3704.03(F).

[Authority for term: ORC 3704.03(F)(3)(c) and F(4), and Option A, Engineering Guide #70]

(5) Prior to making any physical changes to or changes in the method of operation of the emissions unit(s), that could impact the parameters or values that were used in the predicted 1-hour maximum ground-level concentration, the permittee shall re-model the change(s) to demonstrate that the MAGLC has not been exceeded. Changes that can affect the parameters/values used in determining the 1-hour maximum ground-level concentration include, but are not limited to, the following:

a. changes in the composition of the materials used or the use of new materials, that would result in the emission of a new toxic air contaminant with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled;

b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any toxic air contaminant listed in OAC rule 3745-114-01, that was modeled from the initial (or last) application; and

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

If the permittee determines that the "Toxic Air Contaminant Statute" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01 solely due to a non-restrictive change to a parameter or process operation, where compliance with the "Toxic Air Contaminant Statute", ORC 3704.03(F), has been documented. If the change(s) meet(s) the definition of a "modification", the permittee shall apply for and obtain a final PTI prior to the change. The Director may consider any significant departure from the operations of the emissions unit, described in the permit application, as a modification that results in greater emissions than the emissions rate modeled to determine the ground level concentration; and he/she may require the permittee to submit a permit application for the increased emissions.

[Authority for term: ORC 3704.03(F)(3)(c) and F(4), and Option A, Engineering Guide #70]

(6) The permittee shall collect, record, and retain the following information for each toxic evaluation conducted to determine compliance with the "Toxic Air Contaminant Statute", ORC 3704.03(F):

a. a description of the parameters/values used in each compliance demonstration and the parameters or values changed for any re-evaluation of the toxic(s) modeled (the composition of materials, new toxic contaminants emitted, change in stack/exhaust parameters, etc.);

b. the Maximum Acceptable Ground-Level Concentration (MAGLC) for each significant toxic contaminant or worst-case contaminant, calculated in accordance with the "Toxic Air Contaminant Statute", ORC 3704.03(F);

c. a copy of the computer model run(s), that established the predicted 1-hour maximum ground-level concentration that demonstrated the emissions unit(s) to be in compliance with the "Toxic Air Contaminant Statute", ORC 3704.03(F), initially and for each change that requires re-evaluation of the toxic air contaminant emissions; and

d. the documentation of the initial evaluation of compliance with the "Toxic Air Contaminant Statute", ORC 3704.03(F), and documentation of any determination that was conducted to re-evaluate compliance due to a change made to the emissions unit(s) or the materials applied.

[Authority for term: ORC 3704.03(F)(3)(c) and F(4), and Option A, Engineering Guide #70]

(7) The permittee shall maintain a record of any change made to a parameter or value used in the dispersion model, used to demonstrate compliance with the "Toxic Air Contaminant Statute", ORC 3704.03(F), through the predicted 1-hour maximum ground-level concentration. The record shall include the date and reason(s) for the change and if the change would increase the ground-level concentration.

[Authority for term: ORC 3704.03(F)(3)(c) and F(4), and Option A, Engineering Guide #70]

e) Reporting Requirements

(1) Unless other arrangements have been approved by the Director, all notifications and reports shall be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.

[Authority for term: OAC rule 3745-15-03(A) and OAC rule 3745-77-07(A)(3)(c)]

(2) The permittee shall notify the Ohio EPA, Central District Office in writing of any monthly record showing the use of coatings that do not comply with the VOC content limitation. The notification shall include a copy of such record and shall be sent to the Ohio EPA, Central District Office within 45 days after the exceedance occurs.

[Authority for term: OAC rule 3745-21-09(U), OAC rule 3745-15-03(A), and OAC rule 3745-77-07(A)(3)(c)]

(3) The permittee shall notify the Ohio EPA, Central District Office in writing of any daily record showing that the dry filtration system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Ohio EPA, Central District Office within 45 days after the exceedance occurs.

[Authority for term: OAC rule 3745-15-03(A) and OAC rule 3745-77-07(A)(3)(c)]

(4) The permittee shall submit quarterly (excursion) deviation reports that identify all exceedances of the hourly VOC emission limitation (0.97 lb/hr) for this emissions unit.

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

[Authority for term: OAC rule 3745-77-07(C)(1), OAC rule 3745-15-03(B)(1)(a), and OAC rule 3745-15-03(C)]

(5) The permittee shall submit annual reports that specify the annual coating usage (in gallons or tons, including water and exempt solvents) for this emissions unit during the previous calendar year. This reporting requirement may be satisfied by including and identifying the specific emission data for this emissions unit in the annual Fee Emission Report.

[Authority for term: OAC rule 3745-15-03(A) and OAC rule 3745-77-07(A)(3)(c)]

(6) The permittee shall submit annual reports that include any changes to any parameter or value used in the dispersion model used to demonstrate compliance with the “Toxic Air Contaminate Statute”, ORC 3704.03(F), through the predicted 1 hour maximum concentration. The report should include:

a. the original model input;

b. the updated model input;

c. the reason for the change(s) to the input parameter(s); and

d. a summary of the results of the updated modeling, including the input changes; and

e. a statement that the model results indicate that the 1-hour maximum ground-level concentration is less than 80% of the MAGLC.

If no changes to the emissions, emissions unit(s), or the exhaust stack have been made during the reporting period, then the report shall include a statement to that effect.

[Authority for term: ORC 3704.03(F)(3)(c) and F(4), and Option A, Engineering Guide #70]

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emissions Limitations:

VOC emissions shall not exceed 0.97 lb/hr and 2.8 TPY.

Applicable Compliance Method:

Compliance with the VOC pound per hour emission limitation shall be determined by the record keeping performed pursuant to d)(1).

If required, the permittee shall demonstrate compliance with this emission limitation through emissions tests performed in accordance with 40 CFR, Part 60, Appendix A, Methods 1-4 and 18, 25 or 25A.

Compliance with the annual VOC emissions limitation shall be based upon the summation of the monthly VOC emissions per the record keeping requirements specified in d)(1).

b. Emissions Limitations:

PE shall not exceed 0.14 lb/hr and 0.4 TPY.

Applicable Compliance Method:

The hourly PE emission limitation was established by the following calculations:

Maximum of 38.6 pounds of powder coating used per hour.
The transfer efficiency was assumed to be 93 percent.
The control efficiency of the dry filtration system was assumed to be 95 percent.

(38.6 lbs powder coating/hour) x (1 - 0.93) x (1 - 0.95) = 0.14 lb/hr PE

If required, the permittee shall demonstrate compliance with the hourly PE limitation through emissions tests performed in accordance with 40 CFR, Part 60, Appendix A, Methods 1 through 5, and the procedures specified in OAC rule 3745-17-03(B)(10).

The annual PE limitation was established by multiplying the hourly PE limitation by 8,760 hours per year and dividing by 2,000 pounds per ton.

c. Emissions Limitation:

0.31 pound of VOC per pound of powder coating, excluding water and exempt solvents

Applicable Compliance Method:

Compliance with the VOC content limitation for coatings shall be based on the record keeping performed pursuant to d)(1). In accordance with OAC rule 3745-21-04(B)(5), U.S. EPA Method 24 shall be used to determine the VOC contents for the coatings. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the owner or operator shall so notify the Administrator of the U.S. EPA and shall use formulation data for that coating to demonstrate compliance until the U.S. EPA provides alternative analytical procedures or alternative precision statements for Method 24. Note: The Method 24 data may be supplied by the coating manufacturer.

d. Emissions Limitations:

NO_X emissions from the combustion of natural gas in the bake oven shall not exceed 0.36 lb/hr and 1.58 TPY.

Applicable Compliance Method:

The hourly NO_X emission limitation was established by multiplying the maximum hourly natural gas usage (MMscf) by emissions factor for NO_X emissions from AP-42 Table 1.4-1 (July 1998).

If required, the permittee shall demonstrate compliance with the hourly NO_X emissions limitation through emissions tests performed in accordance with 40 CFR, Part 60, Appendix A, Methods 1 through 4 and Method 7 or 7E.

The annual NO_X limitation was established by multiplying the hourly NO_X limitation by 8,760 hours per year and dividing by 2,000 pounds per ton.

e. Emissions Limitation:

Visible particulate emissions shall not exceed twenty percent opacity as a six-minute average, except as provided by rule.

Applicable Compliance Method:

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

[Authority for term: OAC rule 3745-77-07(A)(1) and OAC rule 3745-77-07(C)(1)]

g) Miscellaneous Requirements

(1) None.

2. K003, Touch-up Spray Paint

Operations, Property and/or Equipment Description:

Condenser spray paint touch up line and related conveyor belt cleanup

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) b)(1)c., d)(2) through d)(5), and e)(6)

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(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 are identified below. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) (PTI 01-08382)	Volatile organic compound (VOC) emissions shall not exceed 7.8 pounds per hour (lbs/hr) and 5.80 tons per year (TPY). Particulate emissions (PE) shall not exceed 0.16 lb/hr and 0.70 TPY. The VOC content of each coating employed in this emissions unit shall not exceed 4.54 pounds of VOC per gallon, and the VOC content of each cleanup material employed in this emissions unit shall not exceed 6.59 pounds of VOC per gallon. See b(2)a. and c)(1)
b.	OAC rule 3745-21-09(U)(2)(e)	The coating usage exemption level specified by this rule is less stringent than the coating usage restriction established pursuant to OAC rule 3745-31-05(A)(3).
c.	ORC 3704.03(F)	See d)(2) through d)(5)

(2) Additional Terms and Conditions

a. The 0.16 pound of PE per hour limitation for this emissions unit was established to reflect the hourly potential to emit. It is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limit.

c) Operational Restrictions

(1) The coating usage in this emissions unit shall not exceed 3.5 gallons per day.

[Authority for term: OAC rule 3745-77-07(A)(1)]

d) Monitoring and/or Recordkeeping Requirements

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

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

b. the total gallons of each cleanup material employed;

c. the VOC content of each cleanup material, in pounds per gallon;

d. the total gallons of each coating employed;

e. the total gallons of all coatings employed;

f. the VOC content of each coating, in pounds of VOC per gallon of coating;

g. the total VOC emissions from all coatings and cleanup materials employed, in pounds [the product of (d) x (f) for all coatings, plus the product of (b) x (c) for all cleanup materials];

h. the total hours of operation; and

i. the average hourly VOC emissions rate, i.e., [(g) / (h)].

[Authority for term: OAC rule 3745-21-09(U)(1) and OAC rule 3745-77-07(C)(1)]

(2) The PTI application for emissions unit K003 was evaluated based on the actual materials and the design parameters of the emissions unit's(s') exhaust system, as specified by the permittee. The "Toxic Air Contaminant Statute", ORC 3704.03(F), was applied to this/these emissions unit(s) for each toxic air contaminant listed in OAC rule 3745-114-01, using data from the permit application; and modeling was performed for each toxic air contaminant(s) emitted at over one ton per year using an air dispersion model such as SCREEN3, AERMOD, or ISCST3, or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration result(s) from the approved air dispersion model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as described in the Ohio EPA guidance document entitled "Review of New Sources of Air Toxic Emissions, Option A", as follows:

a. the exposure limit, expressed as a time-weighted average concentration for a conventional 8-hour workday and a 40-hour workweek, for each toxic compound(s) emitted from the emissions unit(s), (as determined from the raw materials processed and/or coatings or other materials applied) has been

documented from one of the following sources and in the following order of preference (TLV was and shall be used, if the chemical is listed):

i. threshold limit value (TLV) from the American Conference of Governmental Industrial Hygienists (ACGIH) "Threshold Limit Values for Chemical Substances and Physical Agents Biological Exposure Indices"; or

ii. STEL (short term exposure limit) or the ceiling value from the American Conference of Governmental Industrial Hygienists (ACGIH) "Threshold Limit Values for Chemical Substances and Physical Agents Biological Exposure Indices"; the STEL or ceiling value is multiplied by 0.737 to convert the 15-minute exposure limit to an equivalent 8-hour TLV.

b. The TLV is divided by ten to adjust the standard from the working population to the general public (TLV/10).

c. This standard is/was then adjusted to account for the duration of the exposure or the operating hours of the emissions unit(s), i.e., "**X**" hours per day and "**Y**" days per week, from that of 8 hours per day and 5 days per week. The resulting calculation was (and shall be) used to determine the Maximum Acceptable Ground-Level Concentration (MAGLC):

$$TLV/10 \times 8/X \times 5/Y = 4\ TLV/XY = MAGLC$$

d. The following summarizes the results of dispersion modeling for the significant toxic contaminants (emitted at 1 or more tons/year) or "worst case" toxic contaminant(s):

Toxic Contaminant: Acetone
TLV (mg/m3): 1,188
Maximum Hourly Emission Rate (lbs/hr): 7.8
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 3,652
MAGLC (ug/m3): 28,285.7

Toxic Contaminant: Toluene
TLV (mg/m3): 188
Maximum Hourly Emission Rate (lbs/hr): 2.65
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 1,230
MAGLC (ug/m3): 4,476.2

The permittee, has demonstrated that emissions of Acetone and Toluene (each)from emissions unit K003is calculated to be less than eighty per cent of the respective maximum acceptable ground level concentration (MAGLC); any new raw material or processing agent shall not be applied without evaluating each component toxic air contaminant in accordance with the "Toxic Air Contaminant Statute", ORC 3704.03(F).

[Authority for term: ORC 3704.03(F)(3)(c) and F(4), and Option A, Engineering Guide #70]

(3) Prior to making any physical changes to or changes in the method of operation of the emissions unit(s), that could impact the parameters or values that were used in the predicted 1-hour maximum ground-level concentration, the permittee shall re-model the change(s) to demonstrate that the MAGLC has not been exceeded. Changes that can affect the parameters/values used in determining the 1-hour maximum ground-level concentration include, but are not limited to, the following:

a. changes in the composition of the materials used or the use of new materials, that would result in the emission of a new toxic air contaminant with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled;

b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any toxic air contaminant listed in OAC rule 3745-114-01, that was modeled from the initial (or last) application; and

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

If the permittee determines that the “Toxic Air Contaminant Statute” will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01 solely due to a non-restrictive change to a parameter or process operation, where compliance with the “Toxic Air Contaminant Statute”, ORC 3704.03(F), has been documented. If the change(s) meet(s) the definition of a “modification”, the permittee shall apply for and obtain a final PTI prior to the change. The Director may consider any significant departure from the operations of the emissions unit, described in the permit application, as a modification that results in greater emissions than the emissions rate modeled to determine the ground level concentration; and he/she may require the permittee to submit a permit application for the increased emissions.

[Authority for term: ORC 3704.03(F)(3)(c) and F(4), and Option A, Engineering Guide #70]

(4) The permittee shall collect, record, and retain the following information for each toxic evaluation conducted to determine compliance with the “Toxic Air Contaminant Statute”, ORC 3704.03(F):

a. a description of the parameters/values used in each compliance demonstration and the parameters or values changed for any re-evaluation of the toxic(s) modeled (the composition of materials, new toxic contaminants emitted, change in stack/exhaust parameters, etc.);

b. the Maximum Acceptable Ground-Level Concentration (MAGLC) for each significant toxic contaminant or worst-case contaminant, calculated in accordance with the “Toxic Air Contaminant Statute”, ORC 3704.03(F);

c. a copy of the computer model run(s), that established the predicted 1-hour maximum ground-level concentration that demonstrated the emissions unit(s) to be in compliance with the “Toxic Air Contaminant Statute”, ORC 3704.03(F),

initially and for each change that requires re-evaluation of the toxic air contaminant emissions; and

d. the documentation of the initial evaluation of compliance with the "Toxic Air Contaminant Statute", ORC 3704.03(F), and documentation of any determination that was conducted to re-evaluate compliance due to a change made to the emissions unit(s) or the materials applied.

[Authority for term: ORC 3704.03(F)(3)(c) and F(4), and Option A, Engineering Guide #70]

(5) The permittee shall maintain a record of any change made to a parameter or value used in the dispersion model, used to demonstrate compliance with the "Toxic Air Contaminant Statute", ORC 3704.03(F), through the predicted 1-hour maximum ground-level concentration. The record shall include the date and reason(s) for the change and if the change would increase the ground-level concentration.

[Authority for term: ORC 3704.03(F)(3)(c) and F(4), and Option A, Engineering Guide #70]

e) Reporting Requirements

(1) Unless other arrangements have been approved by the Director, all notifications and reports shall be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.

[Authority for term: OAC rule 3745-15-03(A) and OAC rule 3745-77-07(A)(3)(c)]

(2) The permittee shall notify the Ohio EPA, Central District Office in writing of any daily record showing the use of noncomplying coatings or cleanup materials (i.e., for VOC content). The notification shall include a copy of such record and shall be sent to the Ohio EPA, Central District Office within 45 days after the exceedance occurs.

[Authority for term: OAC rule 3745-21-09(U), OAC rule 3745-15-03(A), and OAC rule 3745-77-07(A)(3)(c)]

(3) The permittee shall notify the Ohio EPA, Central District Office in writing of any daily record showing that this emissions unit employed more than the maximum daily coating usage limit. The notification shall include a copy of such record and shall be sent to the Ohio EPA, Central District Office within 45 days after the exceedance occurs.

[Authority for term: OAC rule 3745-21-09(U), OAC rule 3745-15-03(A), and OAC rule 3745-77-07(A)(3)(c)]

(4) The permittee shall submit quarterly (excursion) deviation reports that identify all exceedances of the hourly VOC emission limitation (7.8 lbs/hr) for this emissions unit.

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

[Authority for term: OAC rule 3745-77-07(C)(1), OAC rule 3745-15-03(B)(1)(a), and OAC rule 3745-15-03(C)]

(5) The permittee shall submit annual reports that summarize the total VOC emissions, in tons, from this emissions unit. This reporting requirement may be satisfied by including and identifying the specific emission data for this emissions unit in the annual Fee Emission Report.

[Authority for term: OAC rule 3745-15-03(A) and OAC rule 3745-77-07(A)(3)(c)]

(6) The permittee shall submit annual reports that include any changes to any parameter or value used in the dispersion model used to demonstrate compliance with the "Toxic Air Contaminate Statute", ORC 3704.03(F), through the predicted 1 hour maximum concentration. The report should include:

a. the original model input;

b. the updated model input;

c. the reason for the change(s) to the input parameter(s); and

d. a summary of the results of the updated modeling, including the input changes; and

e. a statement that the model results indicate that the 1-hour maximum ground-level concentration is less than 80% of the MAGLC.

If no changes to the emissions, emissions unit(s), or the exhaust stack have been made during the reporting period, then the report shall include a statement to that effect.

[Authority for term: ORC 3704.03(F)(3)(c) and F(4), and Option A, Engineering Guide #70]

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. <u>Emissions Limitations:</u>

VOC emissions shall not exceed 7.8 lbs/hr and 5.80 TPY, including cleanup materials.

<u>Applicable Compliance Method:</u>

Compliance with the VOC pound per hour emission limitation shall be determined by the record keeping performed pursuant to d)(1).

If required, the permittee shall demonstrate compliance with the hourly VOC emissions limitation through emissions tests performed in accordance with 40 CFR, Part 60, Appendix A, Methods 1-4 and 18, 25 or 25A.

Compliance with the annual VOC emissions limitation shall be based upon the summation of the daily VOC emissions per the record keeping requirements specified in d)(1).

b. Emissions Limitations:

PE shall not exceed 0.16 lb/hr and 0.70 TPY.

Applicable Compliance Method:

The hourly PE emission limitation was established by the following calculations:

(0.86 pound of coating/hour) x (0.186 pound of solids (PE)/pound coating = 0.16 pound of PE/hour

If required, the permittee shall demonstrate compliance with this emission limitation through emissions tests performed in accordance with 40 CFR, Part 60, Appendix A, Methods 1 through 5, and the procedures specified in OAC rule 3745-17-03(B)(10).

The annual PE limitation was established by multiplying the hourly PE limitation by 8,760 hours per year and dividing by 2,000 pounds per ton.

[Authority for term: OAC rule 3745-77-07(A)(1) and OAC rule 3745-77-07(C)(1)]

g) Miscellaneous Requirements

(1) None.

3. P002, Evaporator GMA

Operations, Property and/or Equipment Description:

Evaporator acid cleaning, chromate conversion, and RZ coating line with drying oven, with scrubber

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) b)(1)c., d)(8) through d)(11), and e)(5)

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(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 are identified below. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) (PTI 01-08382)	Volatile organic compound (VOC) emissions shall not exceed 1.67 pounds per hour (lbs/hr) and 7.31 tons per year (TPY). Nitrogen oxides (NO_X) emissions shall not exceed 0.56 lb/hr and 2.45 TPY. Nitric acid (HNO_3) emissions shall not exceed 0.55 lb/hr and 2.41 TPY. Sulfuric acid (H_2SO_4) emissions shall not exceed 0.05 lb/hr and 0.22 TPY. See b(2)a., c)(1), and c)(2)
b.	OAC rule 3745-21-09(U)(1)(i)	The VOC content of each coating employed shall not exceed 3.0 pounds of VOC per gallon of coating, excluding water and exempt solvents, as applied.
c.	ORC 3704.03(F)	See d)(8) through d)(11)

(2) Additional Terms and Conditions

a. The hourly VOC and NO_X emission limitations were established to reflect the potential to emit for this emissions unit. It is not necessary to develop record keeping and/or reporting requirements to ensure compliance with these limitations.

c) Operational Restrictions

(1) The facility shall employ the spray chamber scrubber to control HNO_3 and H_2SO_4 emissions from thisemissions unit whenever the emissions unit is in operation.

[Authority for term: OAC rule 3745-77-07(A)(1)]

(2) No cleanup materials shall be employed in this emissions unit.

[Authority for term: OAC rule 3745-77-07(A)(1)]

d) Monitoring and/or Recordkeeping Requirements

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

a. the name and identification number of each coating, as applied;

b. the VOC content of each coating, expressed as pounds of VOC per gallon of coating, excluding water and exempt solvents, as applied;

c. the total gallons of each coating employed; and

d. the total VOC emissions from all coatings employed, in pounds, i.e., the product of [(b) x (c)] for all coatings.

[Authority for term: OAC rule 3745-21-09(U)(1) and OAC rule 3745-77-07(C)(1)]

(2) The permittee shall collect and record the total VOC emissions for the calendar year (summation of the daily VOC emissions as recorded in d)(1)d. divided by 2,000 pounds/ton).

[Authority for term: OAC rule 3745-21-09(U)(1) and OAC rule 3745-77-07(C)(1)]

(3) In order to maintain compliance with the applicable emission limitation(s) contained in this permit, the acceptable pressure drop across the scrubber, that shall be maintained in order to demonstrate compliance, shall not be less than2.0 inches of water.

[Authority for term: OAC rule 3745-77-07(C)(1)]

(4) In order to maintain compliance with the applicable emission limitation(s) contained in this permit, the acceptable scrubber liquid flow rate, that shall be maintained in order to demonstrate compliance, shall not be less than 60 gallons per minute.

[Authority for term: OAC rule 3745-77-07(C)(1)]

(5) The permittee shall properly install, operate, and maintain equipment to continuously monitor the pressure drop across the scrubber (in inches of water) and the scrubber liquid flow rate (in gallons per minute), during operation of this emissions unit, including periods of startup and shutdown. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's

recommendations, instructions, and operating manual(s), with any modifications deemed necessary by the permittee.

Whenever the monitored value for any parameter deviates from the range(s) or minimum limit(s) established in accordance with this permit, the permittee shall promptly investigate the cause of the deviation. The permittee shall maintain records of the following information for each investigation:

a. the date and time the deviation began;

b. the magnitude of the deviation at that time;

c. the date the investigation was conducted;

d. the name(s) of the personnel who conducted the investigation; and

e. the findings and recommendations.

In response to each required investigation to determine the cause of a deviation, the permittee shall take prompt corrective action to bring the control equipment parameters within the acceptable range(s), or at or above the minimum limit(s) specified in this permit, unless the permittee determines that corrective action is not necessary and documents the reasons for that determination and the date and time the deviation ended. The permittee shall maintain records of the following information for each corrective action taken:

f. a description of the corrective action;

g. the date the corrective action was completed;

h. the date and time the deviation ended;

i. the total period of time (in minutes) during which there was a deviation;

j. the pressure drop and scrubber liquid flow rate immediately after the corrective action was implemented; and

k. the name(s) of the personnel who performed the work.

Investigation and records required by this paragraph do not eliminate the need to comply with the requirements of OAC rule 3745-15-06 if it is determined that a malfunction has occurred.

[Authority for term: OAC rule 3745-77-07(C)(1)]

(6) These range(s) and/or limit(s) for the pressure drop and liquid flow rate are effective for the duration of this permit, unless revisions are requested by the permittee and approved in writing by the appropriate Ohio EPA District Office or local air agency. The permittee may request revisions to the permitted range or limit for the pressure drop, liquid flow rate, or pH based upon information obtained during future performance tests that demonstrate compliance with the allowable HNO_3 and H_2SO_4 emissions rates for

this/these emissions unit(s). In addition, approved revisions to the range or limit will not constitute a relaxation of the monitoring requirements of this permit and may be incorporated into this permit by means of a minor permit modification.

[Authority for term: OAC rule 3745-77-07(C)(1)]

(7) The permittee shall collect and record the following information each day:

a. the pressure drop across the scrubber, in inches of water, on a once per shift basis;

b. the scrubber water flow rate, in gallons per minute, on a once per shift basis; and

c. the operating times for the capture (collection) system, control device, monitoring equipment, and the associated emissions unit.

[Authority for term: OAC rule 3745-77-07(C)(1)]

(8) The PTI application for emissions unit P002 was evaluated based on the actual materials and the design parameters of the emissions unit's(s') exhaust system, as specified by the permittee. The "Toxic Air Contaminant Statute", ORC 3704.03(F), was applied to this/these emissions unit(s) for each toxic air contaminant listed in OAC rule 3745-114-01, using data from the permit application; and modeling was performed for each toxic air contaminant(s) emitted at over one ton per year using an air dispersion model such as SCREEN3, AERMOD, or ISCST3, or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration result(s) from the approved air dispersion model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as described in the Ohio EPA guidance document entitled "Review of New Sources of Air Toxic Emissions, Option A", as follows:

a. the exposure limit, expressed as a time-weighted average concentration for a conventional 8-hour workday and a 40-hour workweek, for each toxic compound(s) emitted from the emissions unit(s), (as determined from the raw materials processed and/or coatings or other materials applied) has been documented from one of the following sources and in the following order of preference (TLV was and shall be used, if the chemical is listed):

i. threshold limit value (TLV) from the American Conference of Governmental Industrial Hygienists (ACGIH) "Threshold Limit Values for Chemical Substances and Physical Agents Biological Exposure Indices"; or

ii. STEL (short term exposure limit) or the ceiling value from the American Conference of Governmental Industrial Hygienists (ACGIH) "Threshold Limit Values for Chemical Substances and Physical Agents Biological Exposure Indices"; the STEL or ceiling value is multiplied by 0.737 to convert the 15-minute exposure limit to an equivalent 8-hour TLV.

b. The TLV is divided by ten to adjust the standard from the working population to the general public (TLV/10).

c. This standard is/was then adjusted to account for the duration of the exposure or the operating hours of the emissions unit(s), i.e., "**X**" hours per day and "**Y**" days per week, from that of 8 hours per day and 5 days per week. The resulting calculation was (and shall be) used to determine the Maximum Acceptable Ground-Level Concentration (MAGLC):

$$TLV/10 \times 8/X \times 5/Y = 4\ TLV/XY = MAGLC$$

d. The following summarizes the results of dispersion modeling for the significant toxic contaminants (emitted at 1 or more tons/year) or "worst case" toxic contaminant(s):

Toxic Contaminant: HNO_3

TLV (mg/m3): 5.2

Maximum Hourly Emission Rate (lbs/hr): 0.55

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 29.32

MAGLC (ug/m3): 123.8

The permittee, has demonstrated that emissions of $HNO_3$from emissions unit P002is calculated to be less than eighty per cent of the maximum acceptable ground level concentration (MAGLC); any new raw material or processing agent shall not be applied without evaluating each component toxic air contaminant in accordance with the "Toxic Air Contaminant Statute", ORC 3704.03(F).

[Authority for term: ORC 3704.03(F)(3)(c) and F(4), and Option A, Engineering Guide #70]

(9) Prior to making any physical changes to or changes in the method of operation of the emissions unit(s), that could impact the parameters or values that were used in the predicted 1-hour maximum ground-level concentration, the permittee shall re-model the change(s) to demonstrate that the MAGLC has not been exceeded. Changes that can affect the parameters/values used in determining the 1-hour maximum ground-level concentration include, but are not limited to, the following:

a. changes in the composition of the materials used or the use of new materials, that would result in the emission of a new toxic air contaminant with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled;

b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any toxic air contaminant listed in OAC rule 3745-114-01, that was modeled from the initial (or last) application; and

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

If the permittee determines that the "Toxic Air Contaminant Statute" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01 solely due to a non-restrictive change to a parameter or process operation, where compliance with the "Toxic Air Contaminant Statute", ORC 3704.03(F), has been documented. If the change(s) meet(s) the definition of a "modification", the permittee shall apply for and obtain a final PTI prior to the change. The Director may consider any significant departure from the operations of the emissions unit, described in the permit application, as a modification that results in greater emissions than the emissions rate modeled to determine the ground level concentration; and he/she may require the permittee to submit a permit application for the increased emissions.

[Authority for term: ORC 3704.03(F)(3)(c) and F(4), and Option A, Engineering Guide #70]

(10) The permittee shall collect, record, and retain the following information for each toxic evaluation conducted to determine compliance with the "Toxic Air Contaminant Statute", ORC 3704.03(F):

a. a description of the parameters/values used in each compliance demonstration and the parameters or values changed for any re-evaluation of the toxic(s) modeled (the composition of materials, new toxic contaminants emitted, change in stack/exhaust parameters, etc.);

b. the Maximum Acceptable Ground-Level Concentration (MAGLC) for each significant toxic contaminant or worst-case contaminant, calculated in accordance with the "Toxic Air Contaminant Statute", ORC 3704.03(F);

c. a copy of the computer model run(s), that established the predicted 1-hour maximum ground-level concentration that demonstrated the emissions unit(s) to be in compliance with the "Toxic Air Contaminant Statute", ORC 3704.03(F), initially and for each change that requires re-evaluation of the toxic air contaminant emissions; and

d. the documentation of the initial evaluation of compliance with the "Toxic Air Contaminant Statute", ORC 3704.03(F), and documentation of any determination that was conducted to re-evaluate compliance due to a change made to the emissions unit(s) or the materials applied.

[Authority for term: ORC 3704.03(F)(3)(c) and F(4), and Option A, Engineering Guide #70]

(11) The permittee shall maintain a record of any change made to a parameter or value used in the dispersion model, used to demonstrate compliance with the "Toxic Air Contaminant Statute", ORC 3704.03(F), through the predicted 1-hour maximum ground-level concentration. The record shall include the date and reason(s) for the change and if the change would increase the ground-level concentration.

[Authority for term: ORC 3704.03(F)(3)(c) and F(4), and Option A, Engineering Guide #70]

e) Reporting Requirements

(1) Unless other arrangements have been approved by the Director, all notifications and reports shall be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.

[Authority for term: OAC rule 3745-15-03(A) and OAC rule 3745-77-07(A)(3)(c)]

(2) The permittee shall submit quarterly deviation (excursion) reports that identify the following:

a. each period of time (start time and date, and end time and date) when the pressure drop across the scrubber or the scrubber liquid flow rate was/were outside of the appropriate range or exceeded the applicable limit contained in this permit;

b. any period of time (start time and date, and end time and date) when the emissions unit(s) was/were in operation and the process emissions were not vented to the scrubber;

c. each incident of deviation described in “a” or “b” (above) where a prompt investigation was not conducted;

d. each incident of deviation described in “a” or “b” where prompt corrective action, that would bring the pressure drop, liquid flow rate, and/or scrubber liquid pH into compliance with the acceptable range, was determined to be necessary and was not taken; and

e. each incident of deviation described in “a” or “b” where proper records were not maintained for the investigation and/or the corrective action(s), as identified in the monitoring and record keeping requirements of this permit.

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

[Authority for term: OAC rule 3745-15-03(B)(1)(a), OAC rule 3745-15-03(C), and OAC rule 3745-77-07(C)(1)]

(3) The permittee shall notify the Ohio EPA, Central District Office in writing of any daily record showing the use of noncomplying coatings (i.e., for VOC content). The notification shall include a copy of such record and shall be sent to the Ohio EPA, Central District Office within 45 days after the exceedance occurs.

[Authority for term: OAC rule 3745-21-09(U), OAC rule 3745-15-03(A), and OAC rule 3745-77-07(A)(3)(c)]

(4) The permittee shall submit annual reports that summarize the total VOC emissions, in tons, from this emissions unit. This reporting requirement may be satisfied by including and identifying the specific emission data for this emissions unit in the annual Fee Emission Report.

[Authority for term: OAC rule 3745-15-03(A) and OAC rule 3745-77-07(A)(3)(c)]

(5) The permittee shall submit annual reports that include any changes to any parameter or value used in the dispersion model used to demonstrate compliance with the "Toxic Air Contaminate Statute", ORC 3704.03(F), through the predicted 1 hour maximum concentration. The report should include:

a. the original model input;

b. the updated model input;

c. the reason for the change(s) to the input parameter(s); and

d. a summary of the results of the updated modeling, including the input changes; and

e. a statement that the model results indicate that the 1-hour maximum ground-level concentration is less than 80% of the MAGLC.

If no changes to the emissions, emissions unit(s), or the exhaust stack have been made during the reporting period, then the report shall include a statement to that effect.

[Authority for term: ORC 3704.03(F)(3)(c) and F(4), and Option A, Engineering Guide #70]

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. <u>Emissions Limitations:</u>

VOC emissions shall not exceed 1.67 lbs/hr and 7.31 TPY.

<u>Applicable Compliance Method:</u>

The hourly VOC emission limitation was established by the following calculations:

3.62 grams of VOC (RZ coating) per each core volatilized in the drying oven;
Maximum production capacity of 210 cores per hour;
(210 cores/hour) x (3.62 grams VOC/core) x (1 pound/454 g) = 1.67 pounds of VOC/hour

If required, the permittee shall demonstrate compliance with the hourly VOC emissions limitation through emissions tests performed in accordance with 40 CFR, Part 60, Appendix A, Methods 1-4 and 18, 25 or 25A.

Compliance with the annual VOC emissions limitation shall be based upon the summation of the daily VOC emissions per the record keeping requirements specified in d)(2).

b. Emissions Limitations:

NO_X emissions shall not exceed 0.56 lb/hr and 2.45 TPY.

Applicable Compliance Method:

This facility demonstrated compliance with the hourly NO_X emissions limitation through emissions testing on a similar emissions unit conducted on March 1, 2001.

If required, the permittee shall demonstrate compliance with the hourly NO_X emissions limitation through emissions tests performed in accordance with 40 CFR, Part 60, Appendix A, Methods 1 through 4 and Method 7 or 7E.

The annual NO_X limitation was established by multiplying the hourly NO_X limitation by 8,760 hours per year and dividing by 2,000 pounds per ton.

c. Emissions Limitations:

HNO_3 emissions shall not exceed 0.55 lb/hr and 2.41 TPY.

Applicable Compliance Method:

The hourly HNO_3 emission limitation was established by the following calculations:

The capture efficiency was assumed to be 90% and the control efficiency of the spray chamber scrubber was assumed to be 99%;
(5 pounds HNO_3/hour) x (0.90) x (1 - 0.99) = 0.045 pound/hour stack controlled emissions;
(5 pounds HNO_3/hour) x (0.10) = 0.5 pound/hour fugitive (uncontrolled) emissions;
0.045 pound/hour stack controlled emissions + 0.5 pound/hour fugitive (uncontrolled) emissions = 0.55 pound HNO_3/hour total emissions.

The 5 pounds of HNO_3 per hour was established through the emissions testing conducted on March 1, 2000, for a similar emissions unit. Based on the controlled hourly emission rate, the assumed capture efficiency of 90%, and the assumed control efficiency of 99%, it was determined through back calculating that 5 pounds of HNO_3 is emitted per hour (prior to control equipment).

If required, the permittee shall demonstrate compliance with the hourly HNO_3 emissions limitation through emissions tests performed in accordance with 40 CFR, Part 60, Appendix A, Methods 1 through 4 and Method 26A.

The annual HNO_3 limitation was established by multiplying the hourly HNO_3 limitation by 8,760 hours per year and dividing by 2,000 pounds per ton.

d. Emissions Limitations:

H_2SO_4 emissions shall not exceed 0.05 lb/hr and 0.22 TPY.

Applicable Compliance Method:

The hourly H_2SO_4 emission limitation was established by the following calculations:

The capture efficiency was assumed to be 90% and the control efficiency of the spray chamber scrubber was assumed to be 99%;

(0.44 pound of H_2SO_4/hour) x (0.90) x (1 - 0.99) = 0.004 pound of H2SO4/hour stack controlled emissions;

(0.44 pound of H_2SO_4/hour) x (0.10) = 0.044 pound of H_2SO_4/hour fugitive (uncontrolled) emissions;

0.004 pound of H_2SO_4/hour stack controlled emissions + 0.044 pound of H_2SO_4/hour fugitive (uncontrolled) emissions = 0.05 pound of H_2SO_4/hour total emissions.

The 0.44 pound of H_2SO_4 per hour was established through the emissions testing conducted on March 1, 2000, for a similar emissions unit. Based on the controlled hourly emission rate, the assumed capture efficiency of 90%, and the assumed control efficiency of 99%, it was determined through back calculating that 0.44 pounds of H_2SO_4 is emitted per hour (prior to control equipment).

If required, the permittee shall demonstrate compliance with the hourly H_2SO_4 emissions limitation through emissions tests performed in accordance with 40 CFR, Part 60, Appendix A, Methods 1 through 4 and Method 26A.

The annual H_2SO_4 limitation was established by multiplying the hourly HNO_3 limitation by 8,760 hours per year and dividing by 2,000 pounds per ton.

[Authority for term: OAC rule 3745-77-07(A)(1) and OAC rule 3745-77-07(C)(1)]

g) Miscellaneous Requirements

(1) None.

4. P094, Evaporator Fin Machine #6

Operations, Property and/or Equipment Description:

Evaporator Fin Machine #6, including fin trayer and core builder.

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) b)(1)d., d)(2) through d)(5), and e)(4)

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(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 are identified below. 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), as effective 11/30/01 (PTI 01-12089)	Volatile organic compound (VOC) emissions shall not exceed 1.25 pounds per hour (lbs/hr) and 5.48 tons per year (TPY). See b)(2)a. and b)(2)b.
b.	OAC rule 3745-31-05(A)(3)(a)(ii), as effective 12/01/06	See b)(2)c.
c.	OAC rule 3745-21-09(U)(1)(i)	See b)(2)d. and c)(1)
d.	ORC 3704.03(F)	See d)(2) through d)(5)

(2) Additional Terms and Conditions

a. The permittee has satisfied the BAT requirements pursuant to OAC rule 3745-31-05(A)(3), as effective November 30, 2001, in this permit. On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to ORC changes effective August 3, 2006 (Senate Bill 265 changes), such that BAT is no longer required by State regulations for emissions units that have the potential to emit less than ten tons per year for pollutants to which National Ambient Air Quality Standards (NAAQS) apply. However, that rule revision has not yet been approved by U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Until the SIP revision occurs and U.S. EPA approves the revisions to OAC rule 3745-31-05, the requirement to satisfy BAT still exists as part of the federally-approved SIP for Ohio. When U.S. EPA approves the December 1, 2006, version of OAC rule 3745-31-05, these emissions limitations/control measures will no longer apply.

b. The hourly and annual VOC emissions limitations were established to reflect the potential-to-emit for this emissions unit. It is not necessary to develop operational restrictions, monitoring and/or recordkeeping, reporting and testing requirements to ensure compliance with these limitations.

c. The following rule paragraph will apply when U.S. EPA approves the December 1, 2006, version of OAC rule 3745-31-05 as part of the SIP:

i. The BAT requirements under OAC rule 3745-31-05(A)(3) do not apply to the VOC emissions for this emissions unit because the uncontrolled potential to emit for VOC is less than ten tons per year.

d. Pursuant to OAC rule 3745-21-09(U)(2)(e)(iii), the limitations identified in OAC rule 3745-21-09(U)(1) do not apply to a coating line that never uses more than ten gallons per day of coating.

c) Operational Restrictions

(1) The permittee shall not use more than 10 gallons of coating material (lubricating oil) per day in this surface coating process.

[Authority for term: OAC rule 3745-77-07(A)(1)]

d) Monitoring and/or Recordkeeping Requirements

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

a. the name and identification number of each coating (lubricating oil) employed;

b. the volume, in gallons, of each coating (lubricating oil) employed; and

c. the total volume, in gallons, of all coatings (lubricating oils) employed.

[Authority for term: OAC rule 3745-21-09(U)(1) and OAC rule 3745-77-07(C)(1)]

(2) The PTI application for each emissions unit was evaluated based on the actual materials and the design parameters of the emissions unit's(s') exhaust system, as specified by the permittee. The "Toxic Air Contaminant Statute", ORC 3704.03(F), was applied to this/these emissions unit(s) for each toxic air contaminant listed in OAC rule 3745-114-01, using data from the permit application; and modeling was performed for each toxic air contaminant(s) emitted at over one ton per year using an air dispersion model such as SCREEN3, AERMOD, or ISCST3, or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration result(s) from the approved air dispersion model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as described in the Ohio EPA guidance document entitled "Review of New Sources of Air Toxic Emissions, Option A", as follows:

a. the exposure limit, expressed as a time-weighted average concentration for a conventional 8-hour workday and a 40-hour workweek, for each toxic compound(s) emitted from the emissions unit(s), (as determined from the raw

materials processed and/or coatings or other materials applied) has been documented from one of the following sources and in the following order of preference (TLV was and shall be used, if the chemical is listed):

i. threshold limit value (TLV) from the American Conference of Governmental Industrial Hygienists (ACGIH) "Threshold Limit Values for Chemical Substances and Physical Agents Biological Exposure Indices"; or

ii. STEL (short term exposure limit) or the ceiling value from the American Conference of Governmental Industrial Hygienists (ACGIH) "Threshold Limit Values for Chemical Substances and Physical Agents Biological Exposure Indices"; the STEL or ceiling value is multiplied by 0.737 to convert the 15-minute exposure limit to an equivalent 8-hour TLV.

b. The TLV is divided by ten to adjust the standard from the working population to the general public (TLV/10).

c. This standard is/was then adjusted to account for the duration of the exposure or the operating hours of the emissions unit(s), i.e., "**X**" hours per day and "**Y**" days per week, from that of 8 hours per day and 5 days per week. The resulting calculation was (and shall be) used to determine the Maximum Acceptable Ground-Level Concentration (MAGLC):

TLV/10 x 8/X x 5/Y = 4 TLV/XY = MAGLC

d. The following summarizes the results of dispersion modeling for the significant toxic contaminants (emitted at 1 or more tons/year) or "worst case" toxic contaminant(s):

Pollutant: Triethanolamine
TLV (ug/m3): 5,000
Maximum Hourly Emission Rate (lbs/hr): 0.01
Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m3): 23.16
MAGLC (ug/m3): 119

Pollutant: DGME
TLV (ug/m3): 606,000
Maximum Hourly Emission Rate (lbs/hr): 0.78
Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m3): 174.6
MAGLC (ug/m3): 14,429

The permittee, has demonstrated that emissions of Triethanolamine and DGMEfrom each emissions unit is calculated to be less than eighty per cent of the maximum acceptable ground level concentration (MAGLC); any new raw material or processing agent shall not be applied without evaluating each component toxic air contaminant in accordance with the "Toxic Air Contaminant Statute", ORC 3704.03(F).

[Authority for term: ORC 3704.03(F)(3)(c) and F(4), and Option A, Engineering Guide #70]

(3) Prior to making any physical changes to or changes in the method of operation of the emissions unit(s), that could impact the parameters or values that were used in the predicted 1-hour maximum ground-level concentration, the permittee shall re-model the change(s) to demonstrate that the MAGLC has not been exceeded. Changes that can affect the parameters/values used in determining the 1-hour maximum ground-level concentration include, but are not limited to, the following:

a. changes in the composition of the materials used or the use of new materials, that would result in the emission of a new toxic air contaminant with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled;

b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any toxic air contaminant listed in OAC rule 3745-114-01, that was modeled from the initial (or last) application; and

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

If the permittee determines that the “Toxic Air Contaminant Statute” will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01 solely due to a non-restrictive change to a parameter or process operation, where compliance with the “Toxic Air Contaminant Statute”, ORC 3704.03(F), has been documented. If the change(s) meet(s) the definition of a “modification”, the permittee shall apply for and obtain a final PTI prior to the change. The Director may consider any significant departure from the operations of the emissions unit, described in the permit application, as a modification that results in greater emissions than the emissions rate modeled to determine the ground level concentration; and he/she may require the permittee to submit a permit application for the increased emissions.

[Authority for term: ORC 3704.03(F)(3)(c) and F(4), and Option A, Engineering Guide #70]

(4) The permittee shall collect, record, and retain the following information for each toxic evaluation conducted to determine compliance with the “Toxic Air Contaminant Statute”, ORC 3704.03(F):

a. a description of the parameters/values used in each compliance demonstration and the parameters or values changed for any re-evaluation of the toxic(s) modeled (the composition of materials, new toxic contaminants emitted, change in stack/exhaust parameters, etc.);

b. the Maximum Acceptable Ground-Level Concentration (MAGLC) for each significant toxic contaminant or worst-case contaminant, calculated in accordance with the “Toxic Air Contaminant Statute”, ORC 3704.03(F);

c. a copy of the computer model run(s), that established the predicted 1-hour maximum ground-level concentration that demonstrated the emissions unit(s) to be in compliance with the "Toxic Air Contaminant Statute", ORC 3704.03(F), initially and for each change that requires re-evaluation of the toxic air contaminant emissions; and

d. the documentation of the initial evaluation of compliance with the "Toxic Air Contaminant Statute", ORC 3704.03(F), and documentation of any determination that was conducted to re-evaluate compliance due to a change made to the emissions unit(s) or the materials applied.

[Authority for term: ORC 3704.03(F)(3)(c) and F(4), and Option A, Engineering Guide #70]

(5) The permittee shall maintain a record of any change made to a parameter or value used in the dispersion model, used to demonstrate compliance with the "Toxic Air Contaminant Statute", ORC 3704.03(F), through the predicted 1-hour maximum ground-level concentration. The record shall include the date and reason(s) for the change and if the change would increase the ground-level concentration.

[Authority for term: ORC 3704.03(F)(3)(c) and F(4), and Option A, Engineering Guide #70]

e) Reporting Requirements

(1) Unless other arrangements have been approved by the Director, all notifications and reports shall be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.

[Authority for term: OAC rule 3745-15-03(A) and OAC rule 3745-77-07(A)(3)(c)]

(2) The permittee shall notify the Director (appropriate District Office or local air agency) in writing of any daily record showing that the coating line employed more than 10 gallons per day. The notification shall include a copy of such record and shall be sent to the Ohio EPA, Central District Office within 45 days after the exceedance occurs.

[Authority for term: OAC rule 3745-21-09(U), OAC rule 3745-15-03(A), and OAC rule 3745-77-07(A)(3)(c)]

(3) The permittee shall submit annual reports that summarize the total VOC emissions, in tons, from this emissions unit. This reporting requirement may be satisfied by including and identifying the specific emission data for this emissions unit in the annual Fee Emission Report.

[Authority for term: OAC rule 3745-15-03(A) and OAC rule 3745-77-07(A)(3)(c)]

(4) The permittee shall submit annual reports that include any changes to any parameter or value used in the dispersion model used to demonstrate compliance with the "Toxic Air Contaminate Statute", ORC 3704.03(F), through the predicted 1 hour maximum concentration. The report should include:

a. the original model input;

b. the updated model input;

c. the reason for the change(s) to the input parameter(s); and

d. a summary of the results of the updated modeling, including the input changes; and

e. a statement that the model results indicate that the 1-hour maximum ground-level concentration is less than 80% of the MAGLC.

If no changes to the emissions, emissions unit(s), or the exhaust stack have been made during the reporting period, then the report shall include a statement to that effect.

[Authority for term: ORC 3704.03(F)(3)(c) and F(4), and Option A, Engineering Guide #70]

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. <u>Emissions Limitations:</u>

VOC emissions shall not exceed 1.25 lbs/hr and 5.48 TPY (as applicable prior to U.S. EPA approving the December 1, 2006, version of OAC rule 3745-31-05 as part of the SIP).

<u>Applicable Compliance Method:</u>

The hourly VOC emission limitation was established by the following calculations:

Maximum of ten (10) gallons of oil (the functional coating) used per day;
VOC content of oil is 3.01 pounds per gallon;
(Maximum of 10 gallons/day) x (3.01 pounds of VOC/gallon) x (one day/24 hours) = 1.25 pounds of VOC/hour

If required, the permittee shall demonstrate compliance with the hourly VOC emissions limitation through emissions tests performed in accordance with 40 CFR Part 60, Appendix A, methods 18, 25, or 25A.

The annual VOC emissions limitation was established by multiplying the hourly emissions limitation by 8,760 hours and dividing by 2,000 pounds per ton.

g) Miscellaneous Requirements

(1) None.

5. Emissions Unit Group -A Group: P017,P028,P029,

EU ID	Operations, Property and/or Equipment Description
P017	Evaporator Fin Machine Number 1 for stamping of fin material Chapter 31 Modification replacing PTI 01 2477
P028	Evaporator Fin Machine Number 2 for stamping of fin material Chapter 31 Modification replacing PTI 01 6734
P029	Evaporator Fin Machine Number 3 for stamping of fin material Chapter 31 Modification replacing PTI 01 6734

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 operation(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 are identified below. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) (PTI 01-08040)	Volatile organic compound (VOC) emissions shall not exceed 2.85 pounds per hour (lbs/hr) and 12.48 tons per year (TPY). See b(2)a.
b.	OAC rule 3745-21-09(U)(2)(e)	See c)(1)

(2) Additional Terms and Conditions

a. The hourly VOC emissions limitation was established to reflect the potential to emit for this emissions unit. It is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limitation.

c) Operational Restrictions

(1) Evaporator oil usage shall not exceed ten (10) gallons per day.

[Authority for term: OAC rule 3745-77-07(A)(1)]

d) Monitoring and/or Recordkeeping Requirements

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

a. the name and identification number of each evaporator oil employed;

b. the total gallons of evaporator oil employed;

c. the VOC content of the evaporator oil employed, in pounds per gallon; and

d. the total VOC emissions, in pounds [(b) x (c)].

[Authority for term: OAC rule 3745-21-09(U)(1) and OAC rule 3745-77-07(C)(1)]

(2) The permittee shall collect and record the total VOC emissions for the calendar month (summation of d)(1)d. for each day of the calendar month).

[Authority for term: OAC rule 3745-21-09(U)(1) and OAC rule 3745-77-07(C)(1)]

(3) The permittee shall collect and record the total VOC emissions for the calendar year (summation of d)(2) for each month of the calendar year).

[Authority for term: OAC rule 3745-21-09(U)(1) and OAC rule 3745-77-07(C)(1)]

e) Reporting Requirements

(1) Unless other arrangements have been approved by the Director, all notifications and reports shall be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.

[Authority for term: OAC rule 3745-15-03(A) and OAC rule 3745-77-07(A)(3)(c)]

(2) The permittee shall notify the Ohio EPA, Central District Office in writing of any daily record showing that the evaporator fin machine employed more than the maximum daily evaporator oil usage limit. The notification shall include a copy of such record and shall be sent to the Ohio EPA, Central District Office within 45 days after the exceedance occurs.

[Authority for term: OAC rule 3745-21-09(U), OAC rule 3745-15-03(A), and OAC rule 3745-77-07(A)(3)(c)]

(3) The permittee shall submit annual reports that summarize the total VOC emissions, in tons, from this emissions unit. This reporting requirement may be satisfied by including and identifying the specific emission data for this emissions unit in the annual Fee Emission Report.

[Authority for term: OAC rule 3745-15-03(A) and OAC rule 3745-77-07(A)(3)(c)]

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emissions Limitations:

VOC emissions shall not exceed 2.85 lbs/hr and 12.48 TPY.

Applicable Compliance Method:

The hourly VOC emission limitation was established by the following calculations:

Maximum of ten (10) gallons of oil (the functional coating) used per day;
VOC content of oil is 6.84 pounds per gallon;
(Maximum of 10 gallons/day) x (6.84 pounds of VOC/gallon) x (one day/24 hours) = 2.85 pounds of VOC/hour

If required, the permittee shall demonstrate compliance with the hourly VOC emissions limitation through emissions tests performed in accordance with 40 CFR, Part 60, Appendix A, Methods 1-4 and 18, 25 or 25A.

Compliance with the annual VOC emissions limitation shall be based upon the record keeping requirements specified in d)(3).

[Authority for term: OAC rule 3745-77-07(A)(1) and OAC rule 3745-77-07(C)(1)]

g) Miscellaneous Requirements

(1) None.

6. Emissions Unit Group -B Group: P018,P019,P020,P034,P052,P088,

EU ID	Operations, Property and/or Equipment Description
P018	Condenser Core Builder #1
P019	Condenser Core Builder #2
P020	Condenser Core Builder #3
P034	Condenser Core Builder #4
P052	Condenser core builder #0
P088	Condenser core builder #5

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 operation(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 are identified below. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) (PTI 01-08917)	Volatile organic compound (VOC) emissions shall not exceed 31.0 pounds per day and 5.7 tons per year (TPY).
b.	OAC rule 3745-21-09(U)(2)(e)	See c)(1)

(2) Additional Terms and Conditions

a. None.

c) Operational Restrictions

(1) Condenser core building line lubricant usage shall not exceed ten (10) gallons per day.

[Authority for term: OAC rule 3745-77-07(A)(1)]

d) Monitoring and/or Recordkeeping Requirements

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

a. the name and identification number of each condenser lubricant employed;

b. the number of gallons of each condenser lubricant employed;

c. the total gallons of all condenser lubricant employed;

d. the VOC content of each condenser lubricant employed, in pounds per gallon; and

e. the total VOC emissions rate, in pounds per day.

[Authority for term: OAC rule 3745-21-09(U)(1) and OAC rule 3745-77-07(C)(1)]

e) Reporting Requirements

(1) Unless other arrangements have been approved by the Director, all notifications and reports shall be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.

[Authority for term: OAC rule 3745-15-03(A) and OAC rule 3745-77-07(A)(3)(c)]

(2) The permittee shall submit quarterly deviation (excursion) reports that identify the following:

a. An identification of each day during which the VOC emissions from the condenser lubricant exceeded 31 pounds per day, and the actual VOC emissions for each such day.

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

[Authority for term: OAC rule 3745-15-03(B)(1)(a), OAC rule 3745-15-03(C), and OAC rule 3745-77-07(C)(1)]

(3) The permittee shall notify the Ohio EPA, Central District Office in writing of any daily record showing that the condenser core building line employed more than the 10 gallon daily condenser lubricant usage limit. The notification shall include a copy of such record and shall be sent to the Ohio EPA, Central District Office within 45 days after the exceedance occurs.

[Authority for term: OAC rule 3745-21-09(U), OAC rule 3745-15-03(A), and OAC rule 3745-77-07(A)(3)(c)]

(4) The permittee shall submit annual reports that summarize the total VOC emissions, in tons, from this emissions unit. This reporting requirement may be satisfied by including and identifying the specific emission data for this emissions unit in the annual Fee Emission Report.

[Authority for term: OAC rule 3745-15-03(A) and OAC rule 3745-77-07(A)(3)(c)]

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emissions Limitations:

VOC emissions shall not exceed 31.0 pounds per day and 5.7 TPY.

Applicable Compliance Method:

Compliance with the daily VOC emissions limitation shall be based upon the record keeping requirements specified in d)(1).

Compliance with the annual VOC emissions limitation is ensured if compliance is maintained with the daily VOC emissions limitation (the annual VOC emission limitation was determined by multiplying the daily VOC emission limitation by 365 days and dividing by 2,000 lbs/ton).

[Authority for term: OAC rule 3745-77-07(A)(1) and OAC rule 3745-77-07(C)(1)]

g) Miscellaneous Requirements

(1) None.

7. Emissions Unit Group -C Group: P038,P039,P040,P041,

EU ID	Operations, Property and/or Equipment Description
P038	Condenser Banding and Bracketing Line Number 1 for the Assembly of Automotive Condensers
P039	Condenser Banding and Bracketing Line Number 2 for the Assembly of Automotive Condensers
P040	Condenser Banding and Bracketing Line Number 3 for the Assembly of Automotive Condensers
P041	Condenser Banding and Bracketing Line Number 4 for the Assembly of Automotive Condensers

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) b)(1)c., d)(2) through d)(5), and e)(4)

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(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 are identified below. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) (PTI P0108948)	Volatile organic compound (VOC) emissions shall not exceed 0.7 pound per hour (lb/hr) and 3.1 tons per year (TPY). See b)(2)a. and c)(1).
b.	OAC rule 3745-21-09(U)(2)(e)	The coating usage exemption levelspecified by this rule is less stringent than thecoating usage restriction established pursuant to OAC rule 3745-31-05(A)(3).
c.	ORC 3704.03(F)	See d)(2) through d)(5)

(2) Additional Terms and Conditions

a. The hourly VOC emissions limitation was established to reflect the potential to emit taking into consideration the lubricant/cleaner usage restriction. It is not necessary to develop monitoring, recordkeeping, or reporting requirements to ensure compliance with this limitation.

c) Operational Restrictions

(1) Condenser banding and bracketing line lubricant/cleaner usage shall not exceed 2.5 gallons per day.

[Authority for term: OAC rule 3745-77-07(A)(1)]

d) Monitoring and/or Recordkeeping Requirements

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

a. the name and identification number of each lubricant/cleaner employed;

b. the volume, in gallons, of each lubricant/cleaner employed; and

c. the VOC content of each lubricant/cleaner as applied, in pounds per gallon.

[Authority for term: OAC rule 3745-21-09(U)(1) and OAC rule 3745-77-07(C)(1)]

(2) The PTI application for each emissions unit was evaluated based on the actual materials and the design parameters of the emissions unit's(s') exhaust system, as specified by the permittee. The "Toxic Air Contaminant Statute", ORC 3704.03(F), was applied to this/these emissions unit(s) for each toxic air contaminant listed in OAC rule 3745-114-01, using data from the permit application; and modeling was performed for each toxic air contaminant(s) emitted at over one ton per year using an air dispersion model such as SCREEN3, AERMOD, or ISCST3, or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration result(s) from the approved air dispersion model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as described in the Ohio EPA guidance document entitled "Review of New Sources of Air Toxic Emissions, Option A", as follows:

a. the exposure limit, expressed as a time-weighted average concentration for a conventional 8-hour workday and a 40-hour workweek, for each toxic compound(s) emitted from the emissions unit(s), (as determined from the raw materials processed and/or coatings or other materials applied) has been documented from one of the following sources and in the following order of preference (TLV was and shall be used, if the chemical is listed):

i. threshold limit value (TLV) from the American Conference of Governmental Industrial Hygienists (ACGIH) "Threshold Limit Values for Chemical Substances and Physical Agents Biological Exposure Indices"; or

ii. STEL (short term exposure limit) or the ceiling value from the American Conference of Governmental Industrial Hygienists (ACGIH) "Threshold Limit Values for Chemical Substances and Physical Agents Biological Exposure Indices"; the STEL or ceiling value is multiplied by 0.737 to convert the 15-minute exposure limit to an equivalent 8-hour TLV.

b. The TLV is divided by ten to adjust the standard from the working population to the general public (TLV/10).

c. This standard is/was then adjusted to account for the duration of the exposure or the operating hours of the emissions unit(s), i.e., "**X**" hours per day and "**Y**" days per week, from that of 8 hours per day and 5 days per week. The resulting calculation was (and shall be) used to determine the Maximum Acceptable Ground-Level Concentration (MAGLC):

TLV/10 x 8/X x 5/Y = 4 TLV/XY = MAGLC

d. The following summarizes the results of dispersion modeling for the significant toxic contaminants (emitted at 1 or more tons/year) or "worst case" toxic contaminant(s):

Pollutant: Isopropyl alcohol

TLV (mg/m3): 983

Maximum Hourly Emission Rate (lbs/hr): 2.8 (includes fugitive emissions from all four Condenser Banding and Bracketing Lines: P038, P039, P040, and P041)

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 1083

MAGLC (ug/m3): 23,405

The permittee, has demonstrated that emissions of Isopropyl alcoholfrom each emissions unit is calculated to be less than eighty per cent of the maximum acceptable ground level concentration (MAGLC); any new raw material or processing agent shall not be applied without evaluating each component toxic air contaminant in accordance with the "Toxic Air Contaminant Statute", ORC 3704.03(F).

[Authority for term: ORC 3704.03(F)(3)(c) and F(4), and Option A, Engineering Guide #70]

(3) Prior to making any physical changes to or changes in the method of operation of the emissions unit(s), that could impact the parameters or values that were used in the predicted 1-hour maximum ground-level concentration, the permittee shall re-model the change(s) to demonstrate that the MAGLC has not been exceeded. Changes that can affect the parameters/values used in determining the 1-hour maximum ground-level concentration include, but are not limited to, the following:

a. changes in the composition of the materials used or the use of new materials, that would result in the emission of a new toxic air contaminant with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled;

b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any toxic air contaminant listed in OAC rule 3745-114-01, that was modeled from the initial (or last) application; and

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

If the permittee determines that the "Toxic Air Contaminant Statute" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01 solely due to a non-restrictive change to a parameter or process operation, where compliance with the "Toxic Air Contaminant Statute", ORC 3704.03(F), has been documented. If the change(s) meet(s) the definition of a "modification", the permittee shall apply for and obtain a final PTI prior to the change. The Director may consider any significant departure from the operations of the emissions unit, described in the permit application, as a modification that results in greater emissions than the emissions rate modeled to determine the ground level concentration; and he/she may require the permittee to submit a permit application for the increased emissions.

[Authority for term: ORC 3704.03(F)(3)(c) and F(4), and Option A, Engineering Guide #70]

(4) The permittee shall collect, record, and retain the following information for each toxic evaluation conducted to determine compliance with the "Toxic Air Contaminant Statute", ORC 3704.03(F):

a. a description of the parameters/values used in each compliance demonstration and the parameters or values changed for any re-evaluation of the toxic(s) modeled (the composition of materials, new toxic contaminants emitted, change in stack/exhaust parameters, etc.);

b. the Maximum Acceptable Ground-Level Concentration (MAGLC) for each significant toxic contaminant or worst-case contaminant, calculated in accordance with the "Toxic Air Contaminant Statute", ORC 3704.03(F);

c. a copy of the computer model run(s), that established the predicted 1-hour maximum ground-level concentration that demonstrated the emissions unit(s) to be in compliance with the "Toxic Air Contaminant Statute", ORC 3704.03(F), initially and for each change that requires re-evaluation of the toxic air contaminant emissions; and

d. the documentation of the initial evaluation of compliance with the "Toxic Air Contaminant Statute", ORC 3704.03(F), and documentation of any determination that was conducted to re-evaluate compliance due to a change made to the emissions unit(s) or the materials applied.

[Authority for term: ORC 3704.03(F)(3)(c) and F(4), and Option A, Engineering Guide #70]

(5) The permittee shall maintain a record of any change made to a parameter or value used in the dispersion model, used to demonstrate compliance with the "Toxic Air Contaminant Statute", ORC 3704.03(F), through the predicted 1-hour maximum

ground-level concentration. The record shall include the date and reason(s) for the change and if the change would increase the ground-level concentration.

[Authority for term: ORC 3704.03(F)(3)(c) and F(4), and Option A, Engineering Guide #70]

e) Reporting Requirements

(1) Unless other arrangements have been approved by the Director, all notifications and reports shall be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.

[Authority for term: OAC rule 3745-15-03(A) and OAC rule 3745-77-07(A)(3)(c)]

(2) The permittee shall notify the Ohio EPA, Central District Office in writing of any daily record showing that the condenser banding and bracketing line employs more than the applicable maximum daily lubricant/cleaner usage limitation. The notification shall include a copy of such record and shall be sent to the Ohio EPA, Central District Office within 45 days after the exceedance occurs.

[Authority for term: OAC rule 3745-21-09(U), OAC rule 3745-15-03(A), and OAC rule 3745-77-07(A)(3)(c)]

(3) The permittee shall submit annual reports that summarize the total VOC emissions, in tons, from this emissions unit. This reporting requirement may be satisfied by including and identifying the specific emission data for this emissions unit in the annual Fee Emission Report.

[Authority for term: OAC rule 3745-15-03(A) and OAC rule 3745-77-07(A)(3)(c)]

(4) The permittee shall submit annual reports that include any changes to any parameter or value used in the dispersion model used to demonstrate compliance with the “Toxic Air Contaminate Statute”, ORC 3704.03(F), through the predicted 1 hour maximum concentration. The report should include:

a. the original model input;

b. the updated model input;

c. the reason for the change(s) to the input parameter(s); and

d. a summary of the results of the updated modeling, including the input changes; and

e. a statement that the model results indicate that the 1-hour maximum ground-level concentration is less than 80% of the MAGLC.

If no changes to the emissions, emissions unit(s), or the exhaust stack have been made during the reporting period, then the report shall include a statement to that effect.

[Authority for term: ORC 3704.03(F)(3)(c) and F(4), and Option A, Engineering Guide #70]

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emissions Limitations:

VOC emissions shall not exceed 0.7 lb/hr and 3.1 TPY.

Applicable Compliance Method:

The hourly VOC emissions limitation was established in accordance with the following:

Maximum daily lubricant/cleaner usage = 2.5 gallons per day (gal/day).
VOC content of lubricant/cleaner = 6.58 pounds VOC/gallon (lbs VOC/gal).
2.5 gal/day * 6.58 lbs VOC/gal * 1 day/24 hours = 0.7 lb VOC/hr

Compliance with the annual VOC emissions limitation is ensured if compliance is maintained with the daily lubricant usage limitation (the annual VOC emissions limitation was established by multiplying the hourly VOC emissions limitation by 8,760 hours and dividing by 2,000 lbs/ton).

[Authority for term: OAC rule 3745-77-07(A)(1) and OAC rule 3745-77-07(C)(1)]

g) Miscellaneous Requirements

(1) None.

8. Emissions Unit Group -D Group: P058,P060,P061,P306,P307,P308,

EU ID	Operations, Property and/or Equipment Description
P058	Evaporator Press #1
P060	Evaporator press 3 with scrap recovery system
P061	Evaporator press 4 with scrap recovery system
P306	Cut off press #1 (60 Ton Press)
P307	Pre tig welding
P308	Cut off press #2 (60 Ton Press)

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 operation(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 are identified below. 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), as effective 11/30/01 (PTI P0110410) (PTI P0112955) (PTI P0106532)	Volatile organic compound (VOC) emissions shall not exceed the following: For emissions unit **P058**: 2.22 pounds per hour (lbs/hr) and 9.72 tons per year (TPY); For emissions unit **P060**: 2.28 lbs/hr and 9.99 TPY; For emissions unit **P061**: 2.28 lbs/hr and 9.99 TPY; For emissions unit **P306**: 1.06 lbs/hr and 4.64 TPY; For emissions unit **P307**: 0.94 lb/hr and 4.12 TPY; and For emissions unit **P308**: 1.06 lbs/hr and 4.64 TPY. See b)(2)a. and b)(2)b.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
b.	OAC rule 3745-31-05(A)(3)(a)(ii), as effective 12/01/06	See b)(2)c.
c.	OAC rule 3745-21-09(U)(1)(i)	See b)(2)d. and c)(1)

(2) Additional Terms and Conditions

a. The permittee has satisfied the BAT requirements pursuant to OAC rule 3745-31-05(A)(3), as effective November 30, 2001, in this permit. On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to ORC changes effective August 3, 2006 (Senate Bill 265 changes), such that BAT is no longer required by State regulations for emissions units that have the potential to emit less than ten tons per year for pollutants to which National Ambient Air Quality Standards (NAAQS) apply. However, that rule revision has not yet been approved by U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Until the SIP revision occurs and U.S. EPA approves the revisions to OAC rule 3745-31-05, the requirement to satisfy BAT still exists as part of the federally-approved SIP for Ohio. When U.S. EPA approves the December 1, 2006, version of OAC rule 3745-31-05, these emissions limitations/control measures will no longer apply.

b. The hourly and annual VOC emissions limitations were established to reflect the potential-to-emit for this emissions unit. It is not necessary to develop operational restrictions, monitoring and/or recordkeeping, reporting and testing requirements to ensure compliance with these limitations.

c. The following rule paragraph will apply when U.S. EPA approves the December 1, 2006, version of OAC rule 3745-31-05 as part of the SIP:

i. The BAT requirements under OAC rule 3745-31-05(A)(3) do not apply to the VOC emissions for this emissions unit because the uncontrolled potential to emit for VOC is less than ten tons per year.

d. Pursuant to OAC rule 3745-21-09(U)(2)(e)(iii), the limitations identified in OAC rule 3745-21-09(U)(1) do not apply to a coating line that never uses more than ten gallons per day of coating.

c) Operational Restrictions

(1) The permittee shall not use more than 10 gallons of coating material (lubricating oil) per day in this surface coating process.

[Authority for term: OAC rule 3745-77-07(A)(1)]

d) Monitoring and/or Recordkeeping Requirements

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

a. the name and identification number of each coating (lubricating oil) employed;

b. the volume, in gallons, of each coating (lubricating oil) employed; and

c. the total volume, in gallons, of all coatings (lubricating oils) employed.

[Authority for term: OAC rule 3745-21-09(U)(1) and OAC rule 3745-77-07(C)(1)]

e) Reporting Requirements

(1) Unless other arrangements have been approved by the Director, all notifications and reports shall be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.

[Authority for term: OAC rule 3745-15-03(A) and OAC rule 3745-77-07(A)(3)(c)]

(2) The permittee shall notify the Director (appropriate District Office or local air agency) in writing of any daily record showing that the coating line employed more than 10 gallons per day. The notification shall include a copy of such record and shall be sent to the Ohio EPA, Central District Office within 45 days after the exceedance occurs.

[Authority for term: OAC rule 3745-21-09(U), OAC rule 3745-15-03(A), and OAC rule 3745-77-07(A)(3)(c)]

(3) The permittee shall submit annual reports that summarize the total VOC emissions, in tons, from this emissions unit. This reporting requirement may be satisfied by including and identifying the specific emission data for this emissions unit in the annual Fee Emission Report.

[Authority for term: OAC rule 3745-15-03(A) and OAC rule 3745-77-07(A)(3)(c)]

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. <u>Emissions Limitations:</u>

VOC emissions from emissions unit **P058** shall not exceed 2.22 lb/hr and 9.72 TPY (as applicable prior to U.S. EPA approving the December 1, 2006, version of OAC rule 3745-31-05 as part of the SIP).

<u>Applicable Compliance Method:</u>

The hourly VOC emissions limitation was established by multiplying the maximum hourly coating (lubricating oil) usage (0.36 gal/hr) by the VOC content of the coating (lubricating oil) (6.18 lbs VOC/gal).

If required, the permittee shall demonstrate compliance with the hourly VOC emissions limitation through emissions tests performed in accordance with 40 CFR Part 60, Appendix A, methods 18, 25, or 25A.

The annual VOC emissions limitation was established by multiplying the hourly emissions limitation by 8,760 hours and dividing by 2,000 pounds per ton.

b. Emissions Limitations:

VOC emissions from emissions unit **P060** shall not exceed 2.28 lbs/hr and 9.99 TPY (as applicable prior to U.S. EPA approving the December 1, 2006, version of OAC rule 3745-31-05 as part of the SIP).

Applicable Compliance Method:

The hourly VOC emissions limitation was established by multiplying the maximum amount of solvent used per hour (0.504 gallons) by the OC content of the solvent (4.52 lbs/gal).

If required, the permittee shall demonstrate compliance with the hourly VOC emissions limitation through emissions tests performed in accordance with 40 CFR Part 60, Appendix A, methods 18, 25, or 25A.

The annual VOC emissions limitation was established by multiplying the hourly emissions limitation by 8,760 hours and dividing by 2,000 pounds per ton.

c. Emissions Limitations:

VOC emissions from emissions unit **P061** shall not exceed 2.28 lbs/hr and 9.99 TPY (as applicable prior to U.S. EPA approving the December 1, 2006, version of OAC rule 3745-31-05 as part of the SIP).

Applicable Compliance Method:

The hourly VOC emissions limitation was established by multiplying the maximum amount of solvent used per hour (0.504 gallons) by the OC content of the solvent (4.52 lbs/gal).

If required, the permittee shall demonstrate compliance with the hourly VOC emissions limitation through emissions tests performed in accordance with 40 CFR Part 60, Appendix A, methods 18, 25, or 25A.

The annual VOC emissions limitation was established by multiplying the hourly emissions limitation by 8,760 hours and dividing by 2,000 pounds per ton.

d. Emissions Limitations:

VOC emissions from emissions unit **P306** shall not exceed 1.06 lbs/hr and 4.64 TPY (as applicable prior to U.S. EPA approving the December 1, 2006, version of OAC rule 3745-31-05 as part of the SIP).

Applicable Compliance Method:

The hourly VOC emissions limitation was established by multiplying the maximum amount of solvent used per hour (0.16 gallons) by the OC content of the solvent (6.63 lbs/gal).

If required, the permittee shall demonstrate compliance with the hourly VOC emissions limitation through emissions tests performed in accordance with 40 CFR Part 60, Appendix A, methods 18, 25, or 25A.

The annual VOC emissions limitation was established by multiplying the hourly emissions limitation by 8,760 hours and dividing by 2,000 pounds per ton.

e. Emissions Limitations:

VOC emissions from emissions unit **P307** shall not exceed 0.94 lb/hr and 4.12 TPY (as applicable prior to U.S. EPA approving the December 1, 2006, version of OAC rule 3745-31-05 as part of the SIP).

Applicable Compliance Method:

The hourly VOC emissions limitation was established by multiplying the maximum amount of solvent used per hour (0.141 gallons) by the OC content of the solvent (6.65 lbs/gal).

If required, the permittee shall demonstrate compliance with the hourly VOC emissions limitation through emissions tests performed in accordance with 40 CFR Part 60, Appendix A, methods 18, 25, or 25A.

The annual VOC emissions limitation was established by multiplying the hourly emissions limitation by 8,760 hours and dividing by 2,000 pounds per ton.

f. Emissions Limitations:

VOC emissions from emissions unit **P308** shall not exceed 1.06 lbs/hr and 4.64 TPY (as applicable prior to U.S. EPA approving the December 1, 2006, version of OAC rule 3745-31-05 as part of the SIP).

Applicable Compliance Method:

The hourly VOC emissions limitation was established by multiplying the maximum amount of solvent used per hour (0.16 gallons) by the OC content of the solvent (6.63 lbs/gal).

If required, the permittee shall demonstrate compliance with the hourly VOC emissions limitation through emissions tests performed in accordance with 40 CFR Part 60, Appendix A, methods 18, 25, or 25A.

The annual VOC emissions limitation was established by multiplying the hourly emissions limitation by 8,760 hours and dividing by 2,000 pounds per ton.

[Authority for term: OAC rule 3745-77-07(A)(1) and OAC rule 3745-77-07(C)(1)]

g) Miscellaneous Requirements

(1) None.

9. Emissions Unit Group -E Group: P309,P310,P311,P312,P313,

EU ID	Operations, Property and/or Equipment Description
P309	Evaporator Laminate Stack Machine #1
P310	Evaporator Laminate Stack Machine #2
P311	Evaporator Laminate Stack Machine #3
P312	Evaporator Laminate Stack Machine #4
P313	Evaporator Laminate Stack Machine #5

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 operation(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 are identified below. 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), as effective 11/30/01 (PTI P0106532)	Volatile organic compound (VOC) emissions shall not exceed 1.39 pounds per hour (lbs/hr) and 6.09 tons per year (TPY). See b)(2)a. and b)(2)b.
b.	OAC rule 3745-31-05(A)(3)(a)(ii), as effective 12/01/06	See b)(2)c.
c.	OAC rule 3745-21-09(U)(1)(i)	See b)(2)d. and c)(1)

(2) Additional Terms and Conditions

a. The permittee has satisfied the BAT requirements pursuant to OAC rule 3745-31-05(A)(3), as effective November 30, 2001, in this permit. On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to ORC changes effective August 3, 2006 (Senate Bill 265 changes), such that BAT is no longer required by State regulations for emissions units that have the potential to emit less than ten tons per year for pollutants to which National Ambient Air Quality Standards (NAAQS) apply. However, that rule revision has not yet been approved by U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Until the SIP revision occurs and U.S. EPA approves the revisions to OAC rule 3745-31-05, the requirement to satisfy BAT still exists as part of the federally-approved SIP for Ohio. When U.S. EPA approves the December 1, 2006,

version of OAC rule 3745-31-05, these emissions limitations/control measures will no longer apply.

b. The hourly and annual VOC emissions limitations were established to reflect the potential-to-emit for this emissions unit. It is not necessary to develop operational restrictions, monitoring and/or recordkeeping, reporting and testing requirements to ensure compliance with these limitations.

c. The following rule paragraph will apply when U.S. EPA approves the December 1, 2006, version of OAC rule 3745-31-05 as part of the SIP:

i. The BAT requirements under OAC rule 3745-31-05(A)(3) do not apply to the VOC emissions for this emissions unit because the uncontrolled potential to emit for VOC is less than ten tons per year.

d. Pursuant to OAC rule 3745-21-09(U)(2)(e)(iii), the limitations identified in OAC rule 3745-21-09(U)(1) do not apply to a coating line that never uses more than ten gallons per day of coating.

c) Operational Restrictions

(1) The permittee shall not use more than 10 gallons of coating material (lubricating oil) per day in this surface coating process.

[Authority for term: OAC rule 3745-77-07(A)(1)]

d) Monitoring and/or Recordkeeping Requirements

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

a. the name and identification number of each coating (lubricating oil) employed;

b. the volume, in gallons, of each coating (lubricating oil) employed; and

c. the total volume, in gallons, of all coatings (lubricating oils) employed.

[Authority for term: OAC rule 3745-21-09(U)(1) and OAC rule 3745-77-07(C)(1)]

e) Reporting Requirements

(1) Unless other arrangements have been approved by the Director, all notifications and reports shall be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.

[Authority for term: OAC rule 3745-15-03(A) and OAC rule 3745-77-07(A)(3)(c)]

(2) The permittee shall notify the Director (appropriate District Office or local air agency) in writing of any daily record showing that the coating line employed more than 10 gallons per day. The notification shall include a copy of such record and shall be sent to the Ohio EPA, Central District Office within 45 days after the exceedance occurs.

[Authority for term: OAC rule 3745-21-09(U), OAC rule 3745-15-03(A), and OAC rule 3745-77-07(A)(3)(c)]

(3) The permittee shall submit annual reports that summarize the total VOC emissions, in tons, from this emissions unit. This reporting requirement may be satisfied by including and identifying the specific emission data for this emissions unit in the annual Fee Emission Report.

[Authority for term: OAC rule 3745-15-03(A) and OAC rule 3745-77-07(A)(3)(c)]

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. <u>Emissions Limitations:</u>

VOC emissions shall not exceed 1.39 lbs/hr and 6.09 TPY.

<u>Applicable Compliance Method:</u>

The hourly VOC emissions limitation was established by multiplying the maximum amount of solvent used per hour (0.21 gallons) by the OC content of the solvent (6.63 lbs/gal).

If required, the permittee shall demonstrate compliance with the hourly VOC emissions limitations through emission tests conducted in accordance with 40 CFR Part 60, Appendix A, Methods 1-4 and 25 or 25A.

The annual VOC emissions limitation was established by multiplying the hourly emissions limitation by 8,760 hours and dividing by 2,000 pounds per ton.

[Authority for term: OAC rule 3745-77-07(A)(1) and OAC rule 3745-77-07(C)(1)]

g) Miscellaneous Requirements

(1) None.

10. Emissions Unit Group -F Group: P092,P093,

EU ID	Operations, Property and/or Equipment Description
P092	Evaporator Fin Machine #5, including fin machine, fin trayer, and core builder
P093	Condenser Core builder and tube cut #7, including tube cut press, fin machine, and core builder

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) b)(1)c., d)(2) through d)(5), and e)(4)

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(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 are identified below. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) (PTI P0108948)	Volatile organic compound (VOC) emissions shall not exceed 24.08 pounds per day (lbs/day) and 4.39 tons per year (TPY). See b)(2)a.
b.	OAC rule 3745-21-09(U)(1)(i)	See b)(2)b. and c)(1)
c.	ORC 3704.03(F)	See d)(2) through d)(5)

(2) Additional Terms and Conditions

a. The hourly and annual VOC emissions limitations were established to reflect the potential-to-emit for this emissions unit. It is not necessary to develop operational restrictions, monitoring and/or recordkeeping, reporting and testing requirements to ensure compliance with these limitations.

b. Pursuant to OAC rule 3745-21-09(U)(2)(e)(iii), the limitations identified in OAC rule 3745-21-09(U)(1) do not apply to a coating line that never uses more than ten gallons per day of coating.

c) Operational Restrictions

(1) Condenser core building line oil usage shall not exceed ten (10) gallons per day.

[Authority for term: OAC rule 3745-77-07(A)(1)]

d) Monitoring and/or Recordkeeping Requirements

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

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

b. the number of gallons of each oil employed;

c. the total gallons of all oils employed;

d. the VOC content of each oil employed, in pounds per gallon; and

e. the total daily VOC emission rate, in pounds.

[Authority for term: OAC rule 3745-21-09(U)(1) and OAC rule 3745-77-07(C)(1)]

(2) The PTI application for each emissions unit was evaluated based on the actual materials and the design parameters of the emissions unit's(s') exhaust system, as specified by the permittee. The "Toxic Air Contaminant Statute", ORC 3704.03(F), was applied to this/these emissions unit(s) for each toxic air contaminant listed in OAC rule 3745-114-01, using data from the permit application; and modeling was performed for each toxic air contaminant(s) emitted at over one ton per year using an air dispersion model such as SCREEN3, AERMOD, or ISCST3, or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration result(s) from the approved air dispersion model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as described in the Ohio EPA guidance document entitled "Review of New Sources of Air Toxic Emissions, Option A", as follows:

a. the exposure limit, expressed as a time-weighted average concentration for a conventional 8-hour workday and a 40-hour workweek, for each toxic compound(s) emitted from the emissions unit(s), (as determined from the raw materials processed and/or coatings or other materials applied) has been documented from one of the following sources and in the following order of preference (TLV was and shall be used, if the chemical is listed):

i. threshold limit value (TLV) from the American Conference of Governmental Industrial Hygienists (ACGIH) "Threshold Limit Values for Chemical Substances and Physical Agents Biological Exposure Indices"; or

ii. STEL (short term exposure limit) or the ceiling value from the American Conference of Governmental Industrial Hygienists (ACGIH) "Threshold Limit Values for Chemical Substances and Physical Agents Biological Exposure Indices"; the STEL or ceiling value is multiplied by 0.737 to convert the 15-minute exposure limit to an equivalent 8-hour TLV.

b. The TLV is divided by ten to adjust the standard from the working population to the general public (TLV/10).

c. This standard is/was then adjusted to account for the duration of the exposure or the operating hours of the emissions unit(s), i.e., "**X**" hours per day and "**Y**" days per week, from that of 8 hours per day and 5 days per week. The resulting calculation was (and shall be) used to determine the Maximum Acceptable Ground-Level Concentration (MAGLC):

TLV/10 x 8/X x 5/Y = 4 TLV/XY = MAGLC

d. The following summarizes the results of dispersion modeling for the significant toxic contaminants (emitted at 1 or more tons/year) or "worst case" toxic contaminant(s):

Pollutant: DGME

TLV (ug/m3): 606,000

Maximum Hourly Emission Rate (lbs/hr): 0.24

Predicted 1-Hour Maximum Ground-Level

Concentration (ug/m3): 62.93

MAGLC (ug/m3): 14,429

The permittee, has demonstrated that emissions of DGMEfrom each emissions unit is calculated to be less than eighty per cent of the maximum acceptable ground level concentration (MAGLC); any new raw material or processing agent shall not be applied without evaluating each component toxic air contaminant in accordance with the "Toxic Air Contaminant Statute", ORC 3704.03(F).

[Authority for term: ORC 3704.03(F)(3)(c) and F(4), and Option A, Engineering Guide #70]

(3) Prior to making any physical changes to or changes in the method of operation of the emissions unit(s), that could impact the parameters or values that were used in the predicted 1-hour maximum ground-level concentration, the permittee shall re-model the change(s) to demonstrate that the MAGLC has not been exceeded. Changes that can affect the parameters/values used in determining the 1-hour maximum ground-level concentration include, but are not limited to, the following:

a. changes in the composition of the materials used or the use of new materials, that would result in the emission of a new toxic air contaminant with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled;

b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any toxic air contaminant listed in OAC rule 3745-114-01, that was modeled from the initial (or last) application; and

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

If the permittee determines that the "Toxic Air Contaminant Statute" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01 solely due to a non-restrictive change to a parameter or process operation, where compliance with the "Toxic Air Contaminant Statute", ORC 3704.03(F), has been documented. If the change(s) meet(s) the definition of a "modification", the permittee shall apply for and obtain a final PTI prior to the change. The Director may consider any significant departure from the operations of the emissions unit, described in the permit application, as a modification that results in greater emissions than the emissions rate modeled to determine the ground level concentration; and he/she may require the permittee to submit a permit application for the increased emissions.

[Authority for term: ORC 3704.03(F)(3)(c) and F(4), and Option A, Engineering Guide #70]

(4) The permittee shall collect, record, and retain the following information for each toxic evaluation conducted to determine compliance with the "Toxic Air Contaminant Statute", ORC 3704.03(F):

a. a description of the parameters/values used in each compliance demonstration and the parameters or values changed for any re-evaluation of the toxic(s) modeled (the composition of materials, new toxic contaminants emitted, change in stack/exhaust parameters, etc.);

b. the Maximum Acceptable Ground-Level Concentration (MAGLC) for each significant toxic contaminant or worst-case contaminant, calculated in accordance with the "Toxic Air Contaminant Statute", ORC 3704.03(F);

c. a copy of the computer model run(s), that established the predicted 1-hour maximum ground-level concentration that demonstrated the emissions unit(s) to be in compliance with the "Toxic Air Contaminant Statute", ORC 3704.03(F), initially and for each change that requires re-evaluation of the toxic air contaminant emissions; and

d. the documentation of the initial evaluation of compliance with the "Toxic Air Contaminant Statute", ORC 3704.03(F), and documentation of any determination that was conducted to re-evaluate compliance due to a change made to the emissions unit(s) or the materials applied.

[Authority for term: ORC 3704.03(F)(3)(c) and F(4), and Option A, Engineering Guide #70]

(5) The permittee shall maintain a record of any change made to a parameter or value used in the dispersion model, used to demonstrate compliance with the "Toxic Air Contaminant Statute", ORC 3704.03(F), through the predicted 1-hour maximum ground-level concentration. The record shall include the date and reason(s) for the change and if the change would increase the ground-level concentration.

[Authority for term: ORC 3704.03(F)(3)(c) and F(4), and Option A, Engineering Guide #70]

e) Reporting Requirements

(1) Unless other arrangements have been approved by the Director, all notifications and reports shall be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.

[Authority for term: OAC rule 3745-15-03(A) and OAC rule 3745-77-07(A)(3)(c)]

(2) The permittee shall notify the Director (appropriate District Office or local air agency) in writing of any daily record showing that the coating line employed more than 10 gallons per day. The notification shall include a copy of such record and shall be sent to the Ohio EPA, Central District Office within 45 days after the exceedance occurs.

[Authority for term: OAC rule 3745-21-09(U), OAC rule 3745-15-03(A), and OAC rule 3745-77-07(A)(3)(c)]

(3) The permittee shall submit annual reports that summarize the total VOC emissions, in tons, from this emissions unit. This reporting requirement may be satisfied by including and identifying the specific emission data for this emissions unit in the annual Fee Emission Report.

[Authority for term: OAC rule 3745-15-03(A) and OAC rule 3745-77-07(A)(3)(c)]

(4) The permittee shall submit annual reports that include any changes to any parameter or value used in the dispersion model used to demonstrate compliance with the “Toxic Air Contaminate Statute”, ORC 3704.03(F), through the predicted 1 hour maximum concentration. The report should include:

a. the original model input;

b. the updated model input;

c. the reason for the change(s) to the input parameter(s); and

d. a summary of the results of the updated modeling, including the input changes; and

e. a statement that the model results indicate that the 1-hour maximum ground-level concentration is less than 80% of the MAGLC.

If no changes to the emissions, emissions unit(s), or the exhaust stack have been made during the reporting period, then the report shall include a statement to that effect.

[Authority for term: ORC 3704.03(F)(3)(c) and F(4), and Option A, Engineering Guide #70]

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emissions Limitations:

VOC emissions shall not exceed 24.08 lbs/day and 4.39 TPY.

Applicable Compliance Method:

Compliance with the daily VOC emissions limitation shall be determined by the record keeping specified in d)(1).

Compliance with the annual VOC emissions limitation is ensured if compliance is maintained with the daily VOC emissions limitation (the annual VOC emissions limitation was established by multiplying the daily VOC emissions limitation by 365 days and dividing by 2,000 lbs/ton).

[Authority for term: OAC rule 3745-77-07(A)(1) and OAC rule 3745-77-07(C)(1)]

g) Miscellaneous Requirements

(1) None.

11. Emissions Unit Group -G Group: P042,P068,

EU ID	Operations, Property and/or Equipment Description
P042	Evaporator Fin Machine 4
P068	Condenser Header Press

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 operation(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 are identified below. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) (PTI 01-08846) (PTI 01-08810)	Volatile organic compound (VOC) emissions shall not exceed the following: For emissions unit **P042**: 2.62 pounds per hour (lbs/hr) and 11.5 tons per year (TPY); For emissions unit **P068**: 1.04 lbs/hr and 4.6 TPY; See b)(2)a.
b.	OAC rule 3745-21-09(U)(1)(i)	See b)(2)b. and c)(1)

(2) Additional Terms and Conditions

a. The hourly and annual VOC emissions limitations were established to reflect the potential-to-emit for this emissions unit. It is not necessary to develop operational restrictions, monitoring and/or recordkeeping, reporting and testing requirements to ensure compliance with these limitations.

b. Pursuant to OAC rule 3745-21-09(U)(2)(e)(iii), the limitations identified in OAC rule 3745-21-09(U)(1) do not apply to a coating line that never uses more than ten gallons per day of coating.

c) Operational Restrictions

(1) The permittee shall not use more than 10 gallons of coating material (lubricating oil) per day in this surface coating process.

[Authority for term: OAC rule 3745-77-07(A)(1)]

d) Monitoring and/or Recordkeeping Requirements

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

a. the name and identification number of each coating (lubricating oil) employed;

b. the volume, in gallons, of each coating (lubricating oil) employed; and

c. the total volume, in gallons, of all coatings (lubricating oils) employed.

[Authority for term: OAC rule 3745-21-09(U)(1) and OAC rule 3745-77-07(C)(1)]

e) Reporting Requirements

(1) Unless other arrangements have been approved by the Director, all notifications and reports shall be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.

[Authority for term: OAC rule 3745-15-03(A) and OAC rule 3745-77-07(A)(3)(c)]

(2) The permittee shall notify the Director (appropriate District Office or local air agency) in writing of any daily record showing that the coating line employed more than 10 gallons per day. The notification shall include a copy of such record and shall be sent to the Ohio EPA, Central District Office within 45 days after the exceedance occurs.

[Authority for term: OAC rule 3745-21-09(U), OAC rule 3745-15-03(A), and OAC rule 3745-77-07(A)(3)(c)]

(3) The permittee shall submit annual reports that summarize the total VOC emissions, in tons, from this emissions unit. This reporting requirement may be satisfied by including and identifying the specific emission data for this emissions unit in the annual Fee Emission Report.

[Authority for term: OAC rule 3745-15-03(A) and OAC rule 3745-77-07(A)(3)(c)]

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emissions Limitations:

VOC emissions from emissions unit **P042** shall not exceed 2.62 lb/hr and 11.5 TPY.

Applicable Compliance Method:

The hourly VOC emission limitation was established by the following calculations:

Maximum of ten (10) gallons of oil (the functional coating) used per day;
VOC content of oil is 6.29 pounds per gallon;
(Maximum 10 gallons/day) x (6.29 pounds of VOC/gallon) x (one day/24 hours) = 2.62pounds of VOC/hour

If required, the permittee shall demonstrate compliance with the hourly VOC emissions limitation through emissions tests performed in accordance with 40 CFR Part 60, Appendix A, methods 18, 25, or 25A.

The annual VOC emissions limitation was established by multiplying the hourly emissions limitation by 8,760 hours and dividing by 2,000 pounds per ton.

b. Emissions Limitations:

VOC emissions from emissions unit **P068** shall not exceed 1.04 lbs/hr and 4.6 TPY.

Applicable Compliance Method:

The hourly VOC emission limitation was established by the following calculations:

Research showed 18.1 pounds of oil used on a day when 52,197 headers were coated with oil;
(18.1 lbs oil/52,197 headers) = 0.0003 lb oil/header;
Maximum headers per day is 72,000;
(0.0003 lb/header)(72,000 headers/day) = 24.9 lbs oil/day / 24 hours = 1.04 lbs oil/hour.

If required, the permittee shall demonstrate compliance with the hourly VOC emissions limitation through emissions tests performed in accordance with 40 CFR Part 60, Appendix A, methods 18, 25, or 25A.

The annual VOC emissions limitation was established by multiplying the hourly emissions limitation by 8,760 hours and dividing by 2,000 pounds per ton.

[Authority for term: OAC rule 3745-77-07(A)(1) and OAC rule 3745-77-07(C)(1)]

g) Miscellaneous Requirements

(1) None.