



State of Ohio Environmental Protection Agency

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P.O. Box 1049  
Columbus, OH 43216-1049

01/11/07

**RE: Proposed Title V Chapter 3745-77 Permit  
08-68-03-0155  
Neaton Auto Products Manufacturing, Inc.**

Attn: Stacey Coburn AR-18J  
United States Environmental Protection Agency  
Region V  
77 West Jackson Blvd.  
Chicago, IL 60604-3590

Dear Ms. Coburn:

The proposed issuance of the Title V permit for Neaton Auto Products Manufacturing, Inc., has been created in Ohio EPA's State Air Resources System (STARS) on 01/11/07, for review by USEPA. This proposed action is identified in STARS as  3-Title V Proposed Permit T+C covering the facility specific terms and conditions, and  Title V Proposed Permit covering the general terms and conditions. This proposed permit will be processed for issuance as a final action after forty-five (45) days from USEPA's receipt of this certified letter if USEPA does not object to the proposed permit. Please contact me at (614) 644-3631 by the end of the forty-five (45) day review period if you wish to object to the proposed permit.

Very truly yours,



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

cc: RAPCA  
File, DAPC PIER



State of Ohio Environmental Protection Agency

PROPOSED TITLE V PERMIT

Issue Date: 01/11/07

Effective Date: To be entered upon final issuance

Expiration Date: To be entered upon final issuance

This document constitutes issuance of a Title V permit for Facility ID: 08-68-03-0155 to: Neaton Auto Products Manufacturing, Inc. 975 South Franklin Street 688 Eaton, OH 45320-0688

Emissions Unit ID (Company ID)/Emissions Unit Activity Description

Table with 3 columns: Emissions Unit ID (Company ID), Emissions Unit Activity Description, and Emissions Unit Activity Description. Rows include units K007 through K022 and P001 through P021, and P024 through P044.

You will be contacted approximately eighteen (18) months prior to the expiration date regarding the renewal of this permit. If you are not contacted, please contact the appropriate Ohio EPA District Office or local air agency listed below. 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. 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, provided that a complete renewal application is submitted no earlier than eighteen (18) months and no later than one-hundred eighty (180) days prior to the expiration date.

Described below is the current Ohio EPA District Office or local air agency that is responsible for processing and administering your Title V permit:

RAPCA  
117 South Main Street  
Dayton, OH 45422-1280  
(937) 225-4435

Ohio Environmental Protection Agency

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Laura Powell  
Acting Director

**PART I - GENERAL TERMS AND CONDITIONS**

**A. State and Federally Enforceable Section**

**1. 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 A.III of Part III of this Title V permit, the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:

- i. The date, place (as defined in the permit), and time of sampling or measurements.
- ii. The date(s) analyses were performed.
- iii. The company or entity that performed the analyses.
- iv. The analytical techniques or methods used.
- v. The results of such analyses.
- vi. The operating conditions existing at the time of sampling or measurement.  
*(Authority for term: OAC rule 3745-77-07(A)(3)(b)(i))*

b. Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.  
*(Authority for term: OAC rule 3745-77-07(A)(3)(b)(ii))*

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

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

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

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

In identifying each deviation caused by a malfunction, the permittee shall specify the emission limitation(s) (or control requirement(s)) for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation. For a specific malfunction, if this information has been provided in a written report that was submitted in accordance with OAC rule 3745-15-06, the permittee may simply

reference that written report to identify the deviation. Nevertheless, all malfunctions, including those reported only verbally in accordance with OAC rule 3745-15-06, must be reported in writing on a quarterly basis.

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

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

- ii. **Except as may otherwise be provided in the terms and conditions for a specific emissions unit, i.e., in Section A.IV of Part III of this Title V permit or, in some cases, in Part II of this Title V permit, all reporting required in accordance with OAC rule 3745-77-07(A)(3)(c) for deviations of the emission limitations, operational restrictions, and control device operating parameter limitations shall be submitted in the following manner:**

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

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

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

If an emissions unit has a deviation reporting requirement for a specific emission limitation, operational restriction, or control device operating parameter limitation that is not on a quarterly basis (e.g., within 30 days following the end of the calendar month, or within 30 or 45 days after the exceedance occurs), that deviation reporting requirement satisfies the reporting requirements specified in this General 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 General Term and Condition.

See B.6 below if no deviations occurred during the quarter.

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

- iii. **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 General Term and Condition A.1.c.ii 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; General Terms and Conditions: A.2, A.3, A.4, A.6.e, A.7, A.12, A.14, A.18, A.19, A.20, and A.22 of Part I of this Title V permit, as well as any deviations from the requirements in Section A.V or A.VI of Part III of this Title V permit, and any monitoring, record keeping, and reporting requirements, which are not reported in accordance with General Term and Condition A.1.c.ii above shall be submitted (i.e., postmarked) to the appropriate Ohio EPA District Office or local air agency by January 31 and July 31 of each year; and each report shall cover the previous six calendar months. Unless otherwise specified by rule, all other deviations from federally enforceable

requirements identified in this permit shall be submitted annually as part of the annual compliance certification, including deviations of federally enforceable requirements not specifically addressed by permit or rule for the insignificant activities or emissions levels (IEU) identified in Part II.A 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 General Term and Condition A.1.c.ii 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))*

- iv. Each written report shall be signed by a responsible official certifying that, "based on information and belief formed after reasonable inquiry, the statements and information in the report (including any written malfunction reports required by OAC rule 3745-15-06 that are referenced in the deviation reports) are true, accurate, and complete."

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

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

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

## 2. **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 General Term and Condition A.1.c.i above.

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

## 3. **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))*

## 4. **Title IV Provisions**

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

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

## 5. **Severability Clause**

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

*(Authority for term: OAC rule 3745-77-07(A)(6))*

## 6. General Requirements

- a. The permittee must comply with all terms and conditions of this permit. Any noncompliance with the federally enforceable terms and conditions of this permit constitutes a violation of the Act, and is grounds for enforcement action or for permit revocation, revocation and reissuance, or modification, or for denial of a permit renewal application.
- b. It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the federally enforceable terms and conditions of this permit.
- c. This permit may be modified, reopened, revoked, or revoked and reissued, for cause, in accordance with A.10 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 upon final issuance of all applicable OAC Chapter 3745-35 operating permits and/or registrations for all subject emissions units located at the facility and:
  - i. 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
  - ii. 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
  - iii. a combination of i. and ii. above.

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))*

## 7. Fees

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78.

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

## 8. 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))*

**9. 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 general terms and conditions shall apply to all operating scenarios authorized in this permit.

*(Authority for term: OAC rule 3745-77-07(A)(10))*

**10. 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))*

**11. 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))*

**12. 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:
  - i. At reasonable times, enter upon the permittee's premises where a source is located or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.
  - ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with paragraph (E) of OAC rule 3745-77-03.
  - iii. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.
  - iv. As authorized by the Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.

- c. The permittee shall submit progress reports to the appropriate Ohio EPA District Office or local air agency concerning any schedule of compliance for meeting an applicable requirement. Progress reports shall be submitted semiannually, or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress reports shall contain the following:
- i. Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.
  - ii. An explanation of why any dates in any schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.
- d. Compliance certifications concerning the terms and conditions contained in this permit that are federally enforceable emission limitations, standards, or work practices, shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) and the Administrator of the U.S. EPA in the following manner and with the following content:
- i. Compliance certifications shall be submitted annually on a calendar year basis. The annual certification shall be submitted (i.e., postmarked) on or before April 30th of each year during the permit term.
  - ii. Compliance certifications shall include the following:
    - (a) An identification of each term or condition of this permit that is the basis of the certification.
    - (b) The permittee's current compliance status.
    - (c) Whether compliance was continuous or intermittent.
    - (d) The method(s) used for determining the compliance status of the source currently and over the required reporting period.
    - (e) Such other facts as the Director of the Ohio EPA may require in the permit to determine the compliance status of the source.
  - iii. 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))*

**13. 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))*

**14. Operational Flexibility**

The permittee is authorized to make the changes identified in OAC rule 3745-77-07(H)(1)(a) to (H)(1)(c) within the permitted stationary source without obtaining a permit revision, if such change is not a modification under any provision of Title I of the Act [as defined in OAC rule 3745-77-01(JJ)], and does not result in an exceedance of the emissions allowed under this permit (whether expressed therein as a rate of emissions or in terms of total emissions), and the permittee provides the Administrator of the U.S. EPA and the appropriate Ohio EPA District Office or local air agency with written notification within a minimum of seven days in advance of the proposed changes, unless the change is associated with, or in response to, emergency conditions. If less than seven days notice is provided because of a need to respond more quickly to such emergency conditions, the permittee shall provide notice to the Administrator of the U.S. EPA and the appropriate District Office of the Ohio EPA or local air agency as soon as possible after learning of the need to make the change. The notification shall contain the items required under OAC rule 3745-77-07(H)(2)(d).

*(Authority for term: OAC rules 3745-77-07(H)(1) and (2))*

**15. 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))*

**16. 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))*

**17. Compliance Method Requirements**

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

*(This term is provided for informational purposes only.)*

**18. Insignificant Activities or Emissions Levels**

Each IEU that has one or more applicable requirements shall comply with those applicable requirements.

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

**19. 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))*

**20. 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))*

**21. Permanent Shutdown of an Emissions Unit**

The permittee may notify Ohio EPA of any emissions unit that is permanently shut down by submitting a certification from the responsible official that identifies the date on which the emissions unit was permanently shut down. Authorization to operate the affected emissions unit shall cease upon the date certified by the responsible official that the emissions unit was permanently shut down.

After the date on which an emissions unit is permanently shut down (i.e., that has been physically removed from service or has been altered in such a way that it can no longer operate without a subsequent “modification” or “installation” as defined in OAC Chapter 3745-31 and therefore ceases to meet the definition of an “emissions unit” as defined in OAC rule 3745-77-01(O)), rendering existing permit terms and conditions irrelevant, the permittee shall not be required, after the date of the certification and submission to Ohio EPA, to meet any Title V permit requirements applicable to that emissions unit, except for any residual requirements, such as the quarterly deviation reports, semi-annual deviation reports and annual compliance certification covering the period during which the emissions unit last operated. All records relating to the shutdown emissions unit, generated while the emissions unit was in operation, must be maintained in accordance with law.

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

**22. Title VI Provisions**

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

- a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices specified in 40 CFR 82.156.
- b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment specified in 40 CFR 82.158.
- c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

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

**B. State Only Enforceable Section**

**1. Reporting Requirements Related to Monitoring and Record Keeping Requirements**

The permittee shall submit required reports in the following manner:

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

**2. Records Retention Requirements**

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

**3. 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.

**4. Scheduled Maintenance/Malfunction Reporting**

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

**5. Permit Transfers**

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

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

If no emission limitation (or control requirement), operational restriction and/or control device parameter limitation deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted (i.e., postmarked) by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter.

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

- a. where an emissions unit has deviation reporting requirements for a specific emission limitation, operational restriction, or control device parameter limitation that override the deviation reporting requirements specified in General Term and Condition A.1.c.ii; or
- b. where an uncontrolled emissions unit has no monitoring, record keeping, or reporting requirements and the emissions unit's applicable emission limitations are established at the potentials to emit; or
- c. where the company's responsible official has certified that an emissions unit has been permanently shut down.

## Part II - Specific Facility Terms and Conditions

### A. State and Federally Enforceable Section

1. The Ohio EPA has approved the compliance assurance monitoring (CAM) plan submitted by the permittee, pursuant to 40 CFR Part 64, for emissions units K016. The permittee shall comply with the provisions of the plan during any operation of the aforementioned emissions unit.

(Authority for term: 40 CFR Part 64)

2. The following insignificant emission units are located at this facility:

L001- Paint Cleaning [PTI 08-1360]  
P018- Caustic Washer #1 [PTI 08-1360]  
P030- Caustic Washer #2 [PTI 08-2345]  
Z001- Al Die Cast #1  
Z002- Al Die Cast #2  
Z006- PB3 Parts Cleaning  
Z007- Die Cast Parts Cleaning  
Z008- North West Parts Cleaning

Each insignificant emissions unit at this facility must comply with all applicable State and federal regulations, as well as any emission limitations and/or control requirements contained within the identified Permit to Install for the emissions unit. Insignificant emissions units listed above that are not subject to specific permit to install requirements are subject to one or more applicable requirements contained in the federally-approved versions of OAC Chapters 3745-17, 3745-18, and/or 3745-21.

[Authority for term: OAC rule 3745-77-07(A)(13)]

3. The emissions of Hazardous Air Pollutants (HAPs), as identified in Section 112(b) of Title III of the Clean Air Act, from this facility shall be less than 9.9 tons/year for any single HAP and 24.9 tons/year for any combination of HAPs, based on rolling, 12-month summations.

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

4. The permittee shall collect and record each month the following information for the entire facility:

- a. The individual Hazardous Air Pollutant (HAP) content for each HAP of each coating material, in pounds of individual HAP per gallon, as applied.

- b. The individual HAP content for each HAP of each cleanup material, in pounds of individual HAP per gallon of cleanup material, as applied.

- c. The total combined HAP content of each coating material, in pounds of combined HAPs per gallon, as applied (the sum of all the individual HAP contents from Section A.3.a above).

- d. The total combined HAP content of each cleanup material, in pounds of combined HAPs per gallon of cleanup material, as applied (the sum of all the individual HAP contents from Section A.3.b above).

- e. The total individual HAP emission rate for all the coatings and cleanup materials employed, in tons.

- f. The total combined HAP emission rate for all the coatings and cleanup materials employed, in tons.

- g. The rolling, 12- month total individual HAP emission rate for each HAP employed, in tons.

- h. The rolling, 12-month total combined HAPs emission rate for all the HAPs employed, in tons.

\*A listing of the HAPs can be found in Section 112 (b) of the Clean Air Act or can be obtained by contacting your Ohio EPA field office or local agency contact. This information does not have to be kept on a line-by-line basis.

[Authority for Term: OAC Rule 3745-77-07(C)(1)]

**A. State and Federally Enforceable Section (continued)**

5. The permittee shall submit quarterly deviation (excursion) reports that include the following information:
- a. An identification of each month during which the rolling, 12-month individual HAP emission rate exceeded 9.9 tons, and the actual rolling, 12-month emission rate for each individual HAP for each such month (for the entire facility).
  - b. An identification of each month during which the rolling, 12-month total combined HAP emission rate exceeded 24.9 tons, and the actual rolling, 12-month total combined HAP emission rate for each such month (for the entire facility).

These quarterly deviation (excursion) reports shall be submitted to the Director (RAPCA) by January 31, April 30, July 31 and October 31 of each year and shall cover the previous calendar quarter. If no deviation occurred during a calendar quarter, the permittee shall submit a report which states that no deviation occurred during the calendar quarter.

[Authority for Term: OAC Rule 3745-77-07(C)(1)]

6. The permittee shall submit annual reports that specify the individual and/or combined HAP emissions from the facility for the previous calendar year. The reports shall be submitted by April 15 of each year. This reporting requirement may be satisfied by including the specific emission data from this facility in the annual Fee Emission Report.

[Authority for Term: OAC Rule 3745-77-07(C)(1)]

7. Compliance with the emission limitations in Section A.2 above shall be determined in accordance with the following methods:

- a. Emission Limitation-  
9.9 tons for each individual HAP/rolling, 12-month period

Applicable Compliance Method-  
Compliance with the annual allowable individual HAP emission limitation above shall be based upon the record keeping requirements specified in Section A.3 above.

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

- b. Emission Limitation-  
24.9 tons for all HAPs combined/rolling, 12-month period

Applicable Compliance Method-  
Compliance with the annual allowable combined HAPs emission limitation above shall be based upon the record keeping requirements specified in Section A.3 above.

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

**B. State Only Enforceable Section**

1. The following insignificant emissions units located at this facility are exempt from permit requirements because they are not subject to any applicable requirements (as defined in OAC rule 3745-77-01(H)) or because they meet the "de minimis" criteria established in OAC rule 3745-15-05:

K006- glove box glue #1  
P015- rim mix #1  
Z003- mg die cast #1  
Z004- mg die cast #2  
Z005- mg die cast #3  
Z009- PB4 mix booth  
Z010- PB6 mix booth  
Z011- PB3 mix booth  
Z013- cup holder #2 booth

### Part III - Terms and Conditions for Emissions Units

**Emissions Unit ID:** Panel Center Paint Booth (K007)  
**Activity Description:** Manual paint spray booth

#### A. State and Federally Enforceable Section

##### I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
K007-Manual paint booth with/gas fired drying oven	OAC rule 3745-31-05(A)(3) PTI 08-1853	The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-11(B)(1), 3745-17-07(A) and 3745-21-07(G).  The organic compound (OC) emissions from this emissions unit shall not exceed 4.8 lbs/hr and 15.02 tons/yr, including cleanup.
		The particulate emissions (PE) from this emissions unit shall not exceed 2.41 tons/yr.
	OAC rule 3745-21-07(G)	None, see Section A.II.1.
	OAC rule 3745-17-11(B)(1) (Based on Table I)	The PE from this emissions unit shall not exceed 0.551 lb/hour from any stack associated with this emissions unit.
	OAC rule 3745-17-07(A)	Visible PE from any stack shall not exceed 20% opacity, as a six-minute average, except as specified by rule.

##### 2. Additional Terms and Conditions

None

##### II. Operational Restrictions

- The use of any photochemically reactive material in this emissions unit, as defined in OAC rule 3745-21-01(C)(5), is prohibited.

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

## II. Operational Restrictions (continued)

2. The permittee shall operate the dry exhaust filtration system to control the PE whenever this emissions unit is in operation.

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

## III. Monitoring and/or Record Keeping Requirements

1. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install #08-1853, issued on 04/22/1992: A.III.2 and 3. The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

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

2. The permittee shall collect and record the following information each day for the coating operation:
  - a. The company identification for each coating and cleanup material employed.
  - b. Whether or not each coating and cleanup material employed is a photochemically reactive material.
  - c. The volume of each coating and cleanup material employed, in gallons.
  - d. The OC content of each coating and cleanup material employed, in pounds per gallon.
  - e. The total OC emission rate for all the coatings and cleanup materials employed [summation of (c x d) for all coatings + summation of (c x d) for all cleanup materials], in pounds.
  - f. The total number of hours the emissions unit was in operation.
  - g. The average hourly OC emission rate for all the coatings and cleanup materials employed, i.e., (e)/(f), in pounds per hour (average).

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

3. The permittee shall maintain a log of the time(s) when the dry exhaust filtration system was not functioning while the emissions unit was in operation.

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

## IV. Reporting Requirements

1. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install #08-1853, issued on 04/22/1992: A.IV.2, 3 and 4. The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

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

2. The permittee shall submit deviation reports that identify the days during which any photochemically reactive material was employed in this emissions unit. Each report shall identify the cause for the use of the photochemically reactive material(s), and the estimated total quantity of material(s) emitted during each such day, in pounds. Each report shall be submitted to the Director (RAPCA) within 30 days of the deviation.

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

#### IV. Reporting Requirements (continued)

3. The permittee shall submit quarterly deviation (excursion) reports that include the identification of each day during which the average hourly OC emission rate from the coatings and cleanup materials exceeded 4.8 pounds, and the actual average hourly OC emission rate for each such hour.

The quarterly deviation (excursion) reports shall be submitted to the Director (RAPCA) by January 31, April 30, July 31 and October 31 of each year and shall cover the previous calendar quarter. If no deviation occurred during a calendar quarter, the permittee shall submit a report which states that no deviation occurred during the calendar quarter.

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

4. The permittee shall submit annual reports that specify the total actual annual OC emission from this emissions unit for the previous calendar year. This reporting requirement may be satisfied by including and identifying the specific emission data from this emissions unit in the annual Fee Emission Report.

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

#### V. Testing Requirements

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

- 1.a Emission Limitation-  
4.8 lbs OC/hr, including cleanup

Applicable Compliance Method-  
Compliance with the hourly allowable OC emission limitation above shall be based upon the record keeping requirements specified in Section A.III.2 of this permit.

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

- 1.b Emission Limitation-  
15.02 lbs OC/yr, including cleanup

Applicable Compliance Method-  
Compliance with the annual allowable OC emission limitation above shall be based upon the record keeping requirements specified in Section A.III.2 of this permit and shall be the sum of the daily OC rates for the calendar year divided by 2,000 lbs/ton.

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

- 1.c Emission Limitation:  
The PE emissions from this emissions unit shall not exceed 0.551 lb/hr

Applicable Compliance Method:  
To determine the actual worst case emission rate for PE, the following equation shall be used:

$$E = \text{maximum coating solids usage rate (in pounds per hour)} \times (1-TE) \times (1-CE)$$

$$E = \text{PE rate (lbs/hr)}$$

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment

If required, compliance shall be determined through emission testing performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5 and the procedures specified in OAC rule 3745-17-03(B)(10).

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

## **V. Testing Requirements (continued)**

- 1.d** Emission Limitation:  
The PE emissions from this emissions unit shall not exceed 2.41 tons/yr

Applicable Compliance Method:

The annual allowable PE limitation was developed by multiplying the hourly allowable PE limitation by the maximum operating schedule of 8760 hours/yr and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

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

- 1.e** Emission Limitation:  
Visible PE from any stack shall not exceed 20% opacity, as a six minute average, except as specified by rule.

Applicable Compliance Method:

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

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

- 2.** Formulation data or USEPA Method 24 shall be used to determine the OC contents of the coatings and cleanup materials.

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

## **VI. Miscellaneous Requirements**

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**2. Additional Terms and Conditions**

**None**

**II. Operational Restrictions**

**None**

**III. Monitoring and/or Record Keeping Requirements**

**None**

**IV. Reporting Requirements**

**None**

**V. Testing Requirements**

**None**

**VI. Miscellaneous Requirements**

**None**

### Part III - Terms and Conditions for Emissions Units

**Emissions Unit ID:** Paint Booth 3 (K016)  
**Activity Description:** Automated paint system with RTO

#### A. State and Federally Enforceable Section

##### I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
K016 - Paint Booth 3; Surface coating of plastic parts with a flash-off tunnel, Common Infrared drying oven which is shared with K017 and natural gas drying oven with permanent total enclosure venting to a regenerative thermal oxidizer	OAC rule 3745-31-05(A)(3) PTI 08-04363	The organic compound (OC) emissions from this emissions unit shall not exceed 1.63 lbs/hr excluding cleanup, 26.7 lbs/day and 3.03 tons/yr, including cleanup.  See section A.I.2.a.  The particulate emissions (PE) from this emissions unit shall not exceed 2.41 tons/yr.  The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-11(B)(1) and OAC rule 3745-17-07(A).
	OAC rule 3745-21-07(G)(2)	The emission limitation and control efficiency requirement specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-11(B)(1) (Based on Table I)	The PE from this emissions unit shall not exceed 0.551 lb/hour from any stack associated with this emissions unit.
	OAC rule 3745-17-07(A)	Visible PE from any stack shall not exceed 20% opacity, as a six-minute average, except as specified by rule.
	40 CFR Part 64 Compliance Assurance Monitoring (CAM)	See Sections A.II.3 and 4, A.III.2, 3, 4, 5, and 6, A.IV.1.a, c., and d.

## 2. Additional Terms and Conditions

- 2.a** The organic compound (OC) emissions from this emissions unit, shall be controlled through the application of a permanent total enclosure for 100 percent capture and a regenerative thermal oxidizer (RTO) system, operating at a minimum of 95% overall OC removal/destruction efficiency.

[Authority for Term: OAC rule 3745-77-07(A)(1) and PTI 08-04363]

- 2.b** The hourly emission limitation was established to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with these limits.

[Authority for Term: OAC rule 3745-77-07(A)(1) and PTI 08-04363]

## II. Operational Restrictions

- 1.** The coating operation shall be equipped with a permanent total enclosure (PTE) which shall be installed and operated in accordance with 40 CFR Part 51, Appendix M, Method 204. The PTE shall meet the following criteria:
- a. any "Natural Draft Opening" (NDO) shall be at least 4 equivalent diameters from each OC emission point;
  - b. the total area of all NDOs shall not exceed 5 percent of the surface area of the enclosure's four walls, floor and ceiling;
  - c. the average facial velocity (FV) of air through all NDOs shall be at least 3,600 m/hr (200 fpm) which corresponds to a pressure differential of 0.007 inches of water. The direction of air through all NDOs shall be into the enclosure;
  - d. all access doors and windows whose area are not included in paragraph (b) and are not included in the calculation in paragraph (c) shall be closed during routine operation; and,
  - e. all OC emissions must be captured and contained for discharge through the OC control device.

By satisfying the criteria above for establishing permanent total enclosure, the total organic capture efficiency shall be assumed to be 100%.

[Authority for Term: OAC rule 3745-77-07(A)(1) and PTI 08-04363]

- 2.** Definitions for PTE and NDO:

Permanent Total Enclosure (PTE) - a permanently installed enclosure that completely surrounds a source of emissions such that all OC emissions are captured and contained for discharge through a control device.

Natural Draft Opening (NDO) - any permanent opening in the enclosure that remains open during operation of the facility and is not connected to a duct to which a fan is installed.

[Authority for Term: OAC rule 3745-77-07(A)(1) and PTI 08-04363]

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

[Authority for Term: OAC rule 3745-77-07(A)(1), 40 CFR Part 64 and PTI 08-04363]

- 4.** The permanent total enclosure shall be maintained under negative pressure, at a minimum pressure differential that is not less than 0.007 inches of water, as a 3-hour average, whenever the emissions unit is in operation.

[Authority for Term: OAC rule 3745-77-07(A)(1), 40 CFR Part 64 and PTI 08-04363]

### III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each day for the paint booth and oven operations:
  - a. The company identification for each coating and cleanup material employed.
  - b. The volume of each coating and cleanup material employed, in gallons.
  - c. The organic compound content of each coating and cleanup material, in pounds per gallon.
  - d. The total uncontrolled organic compound emission rate for all materials [i.e. the sum of products (b x c) for each coating and cleanup material], in pounds per day.
  - e. The total controlled organic compound emission rate for the paint booth, for all coatings and cleanup materials, in pounds per day (i.e., calculated using the overall control efficiency from the most recent performance test that demonstrated that the emissions unit was in compliance).

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04363]

2. The permittee shall install, maintain and operate monitoring devices and a recorder which simultaneously measure and record the pressure inside and outside the permanent total enclosure. The monitoring and recording devices shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals.

The permittee shall record and maintain the following information on a daily basis:

- a. All 3-hour blocks of time during which the average pressure differential between the PTE and the surrounding areas was less than 0.007 inches of water.
- b. A log or record of operating time for the capture (collection) system, control device, monitoring equipment and the associated emissions unit.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04363]

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

The permittee shall collect and record the following information for each day:

- a. All 3-hour blocks of time during which the average combustion temperature within the thermal oxidizer, when the emissions unit was in operation, was more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance; and,
- b. a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04363]

### III. Monitoring and/or Record Keeping Requirements (continued)

4. The CAM plan for monitoring the control efficiency of the thermal oxidizer controlling VOC emissions from this emissions unit has been developed for the monitoring of the combustion chamber temperature within the thermal oxidizer. The CAM performance indicator, and indicator range, for this temperature requirement is specified in Section A.II.3. When the temperature is outside of the indicator range specified in Section A.II.3, corrective action (including, but not limited to, an evaluation of the thermal oxidizer) will be required.

Upon detecting an excursion of the thermal oxidizer's temperature indicator range listed in Section A.II.3, the owner or operator shall restore operation of the emissions unit (including the control device) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion. Such actions may include initial inspection and evaluation, recording that operations returned to normal without operator action (such as thorough response by the computerized distribution control system), or any necessary follow-up actions to return operation to within the indicator range.

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR Part 64)

5. The CAM plan for monitoring the capture efficiency of the capture system for this emissions unit has been developed for the monitoring of the permanent total enclosure (PTE) differential pressure. The CAM performance indicator, and indicator range, for PTE differential pressure is specified in Section A.II.4. When the PTE differential pressure is outside of the indicator range specified in Section A.II.4, corrective action (including, but not limited to, an evaluation of the thermal oxidizer) will be required.

Upon detecting an excursion of the PTE differential pressure range listed in Section A.II.4, the owner or operator shall restore operation of the emissions unit (including the control device) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion. Such actions may include initial inspection and evaluation, recording that operations returned to normal without operator action (such as thorough response by the computerized distribution control system), or any necessary follow-up actions to return operation to within the indicator range.

Pursuant to 40 CFR 64.3(a)(2), the permittee shall monitor the performance of the emission capture by installing, calibrating, maintaining and operating a pressure measuring device to monitor the difference between the enclosure static pressure and the surrounding plant static pressure.

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. The permittee shall record the PTE differential pressure on a daily basis.

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR Part 64)

6. If a determination is made by the Administrator or Ohio EPA that the permittee has not used acceptable procedures in response to an excursion or exceedance based on the results of a determination made under 40 CFR Part 64.7(d)(2), the permittee may be required to develop a Quality Improvement Plan (QIP) consistent with the requirements of 40 CFR Part 64.8.

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR Part 64)

#### **IV. Reporting Requirements**

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
  - a. A log of operating time for the capture (collection) system, control device, monitoring equipment, and the associated emissions unit.
  - b. An identification of each day during which the organic compound emissions from the coatings and cleanup materials exceeded 26.7 pounds per day, and the actual organic compound emissions for each such day.
  - c. Pressure differential deviation (excursion) reports that identify all 3-hour blocks of time during which the permanent total enclosure was not maintained at the minimum pressure differential of 0.007 inches of water, as a 3-hour average.
  - d. Identify all 3-hour blocks of time during which the average combustion temperature within the thermal incinerator was more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.

The quarterly deviation (excursion) reports shall be submitted to the Director (RAPCA) by January 31, April 30, July 31 and October 31 of each year and shall cover the previous calendar quarter. If no deviation occurred during a calendar quarter, the permittee shall submit a report which states that no deviation occurred during the calendar quarter.

[Authority for Term: OAC rule 3745-77-07(C)(1), 40 CFR Part 64 and PTI 08-04363]

#### **V. Testing Requirements**

1. Compliance with the emission limitation(s) in section A.I of these terms and conditions shall be determined in accordance with the following method(s):

- 1.a Emission Limitation-  
1.63 lbs OC/hr, excluding cleanup

Applicable Compliance Method-

Compliance shall be determined by multiplying the maximum hourly coating usage of 5 gallons/hour times the maximum organic compound content of 6.5 pounds OC/gallon. The result is then multiplied by the minimum destruction efficiency of 95 percent (1-0.95).

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04363]

- 1.b Emission Limitation-  
26.7 lbs OC/day, including cleanup

Applicable Compliance Method-

Compliance shall be based upon the record keeping requirements specified in Section A.III.1.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04363]

- 1.c Emission Limitation-  
3.03 tons OC/yr, including cleanup

Applicable Compliance Method-

Compliance shall be based upon the record keeping requirements specified in Section A.III.1. and shall be the summation of the daily OC emission rates for the year, divided by 2000 lbs/ton.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04363]

**V. Testing Requirements (continued)**

**1.d** Emission Limitation:  
The PE emissions from this emissions unit shall not exceed 0.551 lb/hr

Applicable Compliance Method:

To determine the actual worst case emission rate for PE, the following equation shall be used:

$$E = \text{maximum coating solids usage rate (in pounds per hour)} \times (1-TE) \times (1-CE)$$

E = PE rate (lbs/hr)

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment

If required, compliance shall be determined through emission testing performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5 and the procedures specified in OAC rule 3745-17-03(B)(10).

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04363]

**1.e** Emission Limitation:  
The PE emissions from this emissions unit shall not exceed 2.41 tons/yr

Applicable Compliance Method:

The annual allowable PE limitation was developed by multiplying the hourly allowable PE limitation by the maximum operating schedule of 8760 hours/yr and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04363]

**1.f** Emission Limitation:  
Visible PE from any stack shall not exceed 20% opacity, as a six minute average, except as specified by rule.

Applicable Compliance Method:

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

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04363]

**2.** Formulation data or USEPA Method 24 shall be used to determine the OC contents of the coatings and cleanup materials.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04363]

## **V. Testing Requirements (continued)**

3. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
  - a. The emission testing shall be conducted within 2.5 years after permit issuance.
  - b. The emission testing shall be conducted to demonstrate compliance with the 1.63 lbs OC/hr limitation for K016 and an overall control efficiency for OC (VOC) of 95%.
  - c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): Method 25, Method 25A, or Method 18. The test method(s) which must be employed to demonstrate compliance with the 95% overall control efficiency limitation are specified below. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
  - d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.

The overall control efficiency (i.e., the percent reduction in mass emissions) shall be determined in accordance with the test methods and procedures specified in OAC rule 3745-21-10 or the approved alternative test protocol (e.g., "the mass balance protocol approved on 10/25/95"). The test methods and procedures selected shall be based on a consideration of the diversity of the organic species present and their total concentration, and on a consideration of the potential presence of interfering gases.

Not later than 60 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

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

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

## **VI. Miscellaneous Requirements**

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
K016 - Paint Booth 3; Surface coating of plastic parts with a flash-off tunnel, Common Infrared drying oven which is shared with K017 and natural gas drying oven with permanent total enclosure venting to a regenerative thermal oxidizer	none	none

**2. Additional Terms and Conditions**

**None**

**II. Operational Restrictions**

**None**

### III. Monitoring and/or Record Keeping Requirements

1. The permit to install for emissions units (K016, K017, K020 and K021) were evaluated based on the actual materials (typically coatings and cleanup materials) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application for all the injection mold groups combined. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: \*Toluene

TLV (ug/m3): 188,404

Maximum Hourly Emission Rate (lbs/hr): 12.32

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 1,041.1

MAGLC (ug/m3): 4,476.19

\*The worst case scenario was using the lowest TLV of Toluene and the highest emission rate of –Butyl acetate, the Predicted 1 hour n-Butyl MAGLC was less than the MAGLC for the Toluene.

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

- a. changes in the composition of the materials used (typically for coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;
- b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and
- c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) is (are) defined as a modification under other provisions of the modification definition, then the permittee shall obtain a final permit to install prior to the change.

**III. Monitoring and/or Record Keeping Requirements (continued)**

2. The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"
  - a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);
  - b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and
  - c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

**IV. Reporting Requirements**

**None**

**V. Testing Requirements**

**None**

**VI. Miscellaneous Requirements**

**None**

### Part III - Terms and Conditions for Emissions Units

**Emissions Unit ID:** Paint Booth 3 Touch Up (K017)  
**Activity Description:** Manual paint spray booth for part touch-up

#### A. State and Federally Enforceable Section

##### I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
K017 - Paint Booth 3, touch up; Surface coating of plastic parts with a common Infrared drying oven which is shared with K016	OAC rule 3745-31-05(A)(3) PTI 08-04363	The organic compound (OC) emissions from this emissions unit shall not exceed 6.5 lbs/hr excluding cleanup, 40.0 lbs/day and 7.3 tons/yr, including cleanup.  The particulate emissions (PE) from this emissions unit shall not exceed 2.41 tons/yr.  The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-11(B)(1) and OAC rule 3745-17-07(A).
	OAC rule 3745-21-07(G)(2)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3)
	OAC rule 3745-17-11(B)(1) (Based on Table I)	The PE from this emissions unit shall not exceed 0.551 lb/hour from any stack associated with this emissions unit.
	OAC rule 3745-17-07(A)	Visible PE from any stack shall not exceed 20% opacity, as a six-minute average, except as specified by rule.

## 2. Additional Terms and Conditions

2. The hourly emission limitation was established to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with these limits.

[Authority for Term: OAC rule 3745-77-07(A)(1) and PTI 08-04363]

## II. Operational Restrictions

None

## III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for the coating operation:
  - a. The company identification for each coating and cleanup material employed.
  - b. The volume of each coating and cleanup material employed, in gallons.
  - c. The organic compound content of each coating and cleanup material, in pounds per gallon.
  - d. The total organic compound emission rate for all coatings and cleanup materials, in pounds per day.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04363]

## IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports of each day during which the organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 40 pounds per day, and the actual organic compound emissions for each such day.

The quarterly deviation (excursion) reports shall be submitted to the Director (RAPCA) by January 31, April 30, July 31 and October 31 of each year and shall cover the previous calendar quarter. If no deviation occurred during a calendar quarter, the permittee shall submit a report which states that no deviation occurred during the calendar quarter.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04363]

## V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I of these terms and conditions shall be determined in accordance with the following method(s):

- 1.a Emission Limitation-  
6.5 lbs OC/hr, excluding cleanup

Applicable Compliance Method-

Compliance shall be determined by multiplying the maximum hourly coating usage of 1.0 gallon/hour times the maximum organic compound content of 6.5 pounds OC/gallon.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04363]

- 1.b Emission Limitation-  
40.0 lbs OC/day, including cleanup

Applicable Compliance Method-

Compliance shall be based upon the record keeping requirements specified in Section A.III.1.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04363]

## V. Testing Requirements (continued)

- 1.c** Emission Limitation-  
7.3 tons OC/yr, including cleanup

Applicable Compliance Method-

Compliance shall be based upon the record keeping requirements specified in Section A.III.1. and shall be the summation of the daily OC emission rates for the year, divided by 2000 lbs/ton.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04363]

- 1.d** Emission Limitation:  
The PE emissions from this emissions unit shall not exceed 0.551 lb/hr

Applicable Compliance Method:

To determine the actual worst case emission rate for PE, the following equation shall be used:

$$E = \text{maximum coating solids usage rate (in pounds per hour)} \times (1-TE) \times (1-CE)$$

$$E = \text{PE rate (lbs/hr)}$$

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment

If required, compliance shall be determined through emission testing performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5 and the procedures specified in OAC rule 3745-17-03(B)(10).

[Authority for term: OAC rules OAC rule 3745-17-03(B)(10), 3745-77-07(C)(1) and PTI 08-04363]

- 1.e** Emission Limitation:  
The PE emissions from this emissions unit shall not exceed 2.41 tons/yr

Applicable Compliance Method:

The annual allowable PE limitation was developed by multiplying the hourly allowable PE limitation by the maximum operating schedule of 8760 hours/yr and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04363]

- 1.f** Emission Limitation:  
Visible PE from any stack shall not exceed 20% opacity, as a six minute average, except as specified by rule.

Applicable Compliance Method:

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

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04363]

- 2.** Formulation data or USEPA Method 24 shall be used to determine the OC contents of the coatings and cleanup materials.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04363]

## VI. Miscellaneous Requirements

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
K017 - Paint Booth 3, touch up; Surface coating of plastic parts with a common Infrared drying oven which is shared with K016	none	none

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

- The permit to install for emissions units (K016, K017, K020 and K021) were evaluated based on the actual materials (typically coatings and cleanup materials) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application for all the injection mold groups combined. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: \*Toluene

TLV (ug/m3): 188,404

Maximum Hourly Emission Rate (lbs/hr): 12.32

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 1,041.1

MAGLC (ug/m3): 4,476.19

\*The worst case scenario was using the lowest TLV of Toluene and the highest emission rate of n-Butyl acetate, the Predicted 1 hour n-Butyl MAGLC was less than the MAGLC for the Toluene.

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

### **III. Monitoring and/or Record Keeping Requirements (continued)**

- a. changes in the composition of the materials used (typically for coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;
- b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and
- c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) is (are) defined as a modification under other provisions of the modification definition, then the permittee shall obtain a final permit to install prior to the change.

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

- a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);
- b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and
- c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

### **IV. Reporting Requirements**

**None**

### **V. Testing Requirements**

**None**

### **VI. Miscellaneous Requirements**

**None**

### Part III - Terms and Conditions for Emissions Units

**Emissions Unit ID:** Paint Booth 4 (K019)  
**Activity Description:** Automated paint system

#### A. State and Federally Enforceable Section

##### I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
R019 - Paint booth No.4, conveyORIZED, robotic painting system with gas fired drying oven	OAC rule 3745-31-05(A)(3) PTI 08-04640 (Scenario A)	The organic compound (OC) emissions shall not exceed 8.11 lbs/hr, 107.4 lbs/day and 12.78 tons/yr, including cleanup, for this emissions unit during any one day when non-photochemically reactive materials (non-PRM) are employed.  See A.I.2.a. and A.I.2.b.
	OAC rule 3745-21-07(G) OAC rule 3745-31-05(A)(3) PTI 08-04640 (Scenario B)	See A.II.1. The OC emissions shall not exceed 4.84 lbs/hr, 12.47 lbs/day, and 2.28 tons/yr, including cleanup, for this emissions unit during any one day when photochemically reactive materials (PRM) are employed.  See A.I.2.a. and A.I.2.b.
		The particulate emissions (PE) from this emissions unit shall not exceed 2.41 tons/yr.
	OAC rule 3745-21-07(G)(2)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-07(A)	Visible PE shall not exceed 20% opacity, as a six-minute average, except as provided by rule.
	OAC rule 3745-17-11(B)	The PE shall not exceed 0.551 lb/hr for this emissions unit.

## **2. Additional Terms and Conditions**

- 2.a** Scenario A is defined as operations employing non-photochemically reactive coatings and cleanup materials.

Scenario B is defined as operations employing photochemically reactive coatings and cleanup materials.

[Authority for Term: OAC rule 3745-77-07(A)(1) and PTI 08-04640]

- 2.b** On any day when photochemically reactive materials are employed, all of the organic material emissions from this emissions unit count toward the daily limits, including the emissions from non-photochemically reactive materials, except non-photochemically reactive cleanup materials.

[Authority for Term: OAC rule 3745-77-07(A)(1) and PTI 08-04640]

- 2.c** The hourly emission limitations were established to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with these limits.

[Authority for Term: OAC rule 3745-77-07(A)(1) and PTI 08-04640]

## **II. Operational Restrictions**

- 1.** The use of photochemically reactive materials, as defined in OAC rule 3745-21-01(C)(5), in this emissions unit is prohibited while operating under Scenario A.

[Authority for Term: OAC rule 3745-77-07(A)(1) and PTI 08-04640]

## **III. Monitoring and/or Record Keeping Requirements**

- 1.** The permittee shall collect and record the following information for each day for this emissions unit while using non-photochemically reactive coatings and cleanup material (scenario A):

- a. The company identification for each coating and cleanup material employed.
- b. The volume of each coating and cleanup material employed, in gallons.
- c. The organic compound content of each coating and cleanup material, in pounds per gallon.
- d. The total organic compound emission rate for all coatings and cleanup materials, in pounds per day.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04640]

- 2.** The permittee shall collect and record the following information for each day for this emissions unit while using photochemically reactive coatings and cleanup material (scenario B):

- a. The company identification for each photochemically reactive coating and cleanup material employed.
- b. The number of gallons of each photochemically reactive coating and cleanup material employed.
- c. The organic compound content of each photochemically reactive coating and cleanup material, in pounds per gallon.
- d. The total organic compound emission rate for all photochemically reactive coatings and cleanup materials, in pounds per day.

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the emissions unit. Also, the definitions of "photochemically reactive" and "non-photochemically reactive" are based upon OAC rule 3745-21-01(C)(5).]

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04640]

#### IV. Reporting Requirements

1. When the emissions unit is operating under scenario A, the permittee shall submit deviation (excursion) reports to the Director (the appropriate Ohio EPA District Office or local air agency) which identifies each day during which the organic compound emissions from the non-photochemically reactive coatings and cleanup materials exceeded 107.4 pounds per day, and the actual organic compound emissions for each such day.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04640]

2. When the emissions unit is operating under scenario B, the permittee shall submit deviation (excursion) reports to the Director (the appropriate Ohio EPA District Office or local air agency) which identifies each day during which the organic compound emissions from the photochemically reactive coatings and photochemically reactive cleanup materials exceeded 12.47 pounds per day, and the actual organic compound emissions for each such day.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04640]

3. The permittee shall submit annual reports which specify the total organic compound emissions, in tons per year, from this emissions unit while employing non-photochemically reactive materials (scenario A) and while employing photochemically reactive materials (scenario B) for the previous calendar year. These reports shall be submitted by January 31 of each year.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04640]

#### V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I of these terms and conditions shall be determined in accordance with the following method(s):

- 1.a Emission Limitation- Scenario A, non-photochemically reactive coating and cleanup material  
8.11 lbs/hr OC, including cleanup

Applicable Compliance Method-

Compliance shall be determined by multiplying the maximum hourly coating and cleanup material usage by the maximum organic compound content of each coating and cleanup material employed, respectively.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04640]

- 1.b Emission Limitation- Scenario A, non-photochemically reactive coating and cleanup material  
107.4 lbs/day OC, including cleanup

Applicable Compliance Method-

Compliance shall be determined through the record keeping in A.III.1.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04640]

- 1.c Emission Limitation- Scenario A, non-photochemically reactive coating and cleanup material  
12.78 tons/yr OC, including cleanup

Applicable Compliance Method-

Compliance shall be determined by summing the actual daily emissions, as determined in Section A.III.1., for the year and dividing by 2000 lbs/ton.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04640]

- 1.d Emission Limitation- Scenario B, photochemically reactive coating and cleanup material  
4.84 lbs/hr OC, including cleanup

Applicable Compliance Method-

Compliance shall be determined by multiplying the maximum hourly coating and cleanup material usage by the maximum organic compound content of each coating and cleanup material employed, respectively.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04640]

**V. Testing Requirements (continued)**

- 1.e** Emission Limitation- Scenario B, photochemically reactive coating and cleanup material  
12.47 lbs/day OC, including cleanup

Applicable Compliance Method-  
Compliance shall be determined through the record keeping in A.III.2.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04640]

- 1.f** Emission Limitation- Scenario B, photochemically reactive coating and cleanup material  
2.28 tons/yr OC, including cleanup

Applicable Compliance Method-  
Compliance shall be determined by summing the actual daily emissions, as determined in Section A.III.2., for the year and dividing by 2000 lbs/ton.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04640]

- 1.g** Emission Limitation:  
The PE emissions from this emissions unit shall not exceed 0.551 lb/hr

Applicable Compliance Method:  
To determine the actual worst case emission rate for PE, the following equation shall be used:

$$E = \text{maximum coating solids usage rate (in pounds per hour)} \times (1-TE) \times (1-CE)$$

$$E = \text{PE rate (lbs/hr)}$$

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment

If required, compliance shall be determined through emission testing performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5 and the procedures specified in OAC rule 3745-17-03(B)(10).

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04640]

- 1.h** Emission Limitation:  
The PE emissions from this emissions unit shall not exceed 2.41 tons/yr

Applicable Compliance Method:  
The annual allowable PE limitation was developed by multiplying the hourly allowable PE limitation by the maximum operating schedule of 8760 hours/yr and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04640]

- 1.i** Emission Limitation:  
Visible PE from any stack shall not exceed 20% opacity, as a six minute average, except as specified by rule.

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

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04640]

- 2.** Formulation data or USEPA Method 24 shall be used to determine the OC contents of the coatings and cleanup materials.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04640]

Facility Name: **Neaton Auto Products Manufacturing, Inc.**  
Facility ID: **08-68-03-0155**  
Emissions Unit: **Paint Booth 4 (K019)**

**VI. Miscellaneous Requirements**

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
R019 - Paint booth No.4, conveyORIZED, robotic painting system with gas fired drying oven	none	none

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

- The annual OC emission rate for emissions unit R019 are based on coating usages. The permit to install for unit R019 was evaluated based on the actual materials (typically coatings and cleanup materials) used by all four sources and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: n-Butyl Acetate

TLV (ug/m3): 89.5

Maximum Hourly Emission Rate (lbs/hr): 1.00

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 48.52

MAGLC (ug/m3): 16,976

### **III. Monitoring and/or Record Keeping Requirements (continued)**

2. Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:
  - a. changes in the composition of the materials used (typically for coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;
  - b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and
  - c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).
3. If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) is (are) defined as a modification under other provisions of the modification definition, then the permittee shall obtain a final permit to install prior to the change.

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

- a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);
- b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and
- c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

### **IV. Reporting Requirements**

**None**

### **V. Testing Requirements**

**None**

### **VI. Miscellaneous Requirements**

**None**

## Part III - Terms and Conditions for Emissions Units

**Emissions Unit ID:** Paint Booth 6 (K020)

**Activity Description:** Automated paint spray booth for interior automobile parts

### A. State and Federally Enforceable Section

#### I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
K020 - Paint Booth 6, touch up; Surface coating of plastic parts	OAC rule 3745-31-05(A)(3) PTI 08-04363	The organic compound (OC) emissions from this emissions unit shall not exceed 26.44 lbs/hr excluding cleanup, 173.2 lbs/day and 21.2 tons/yr, including cleanup.  The particulate emissions (PE) from this emissions unit shall not exceed 2.41 tons/yr.  The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-07(G)(9), OAC rule 3745-17-11(B)(1) and OAC rule 3745-17-07(A).
	OAC rule 3745-21-07(G)(9)	see section A.II.1
	OAC rule 3745-17-11(B)(1) (Based on Table I)	The PE from this emissions unit shall not exceed 0.551 lb/hour from any stack associated with this emissions unit.
	OAC rule 3745-17-07(A)	Visible PE from any stack shall not exceed 20% opacity, as a six-minute average, except as specified by rule.

#### 2. Additional Terms and Conditions

2. The hourly emission limitation was established to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with these limits.

[Authority for Term: OAC rule 3745-77-07(A)(1) and PTI 08-04363]

## II. Operational Restrictions

1. The use of any photochemically reactive material in this emissions unit, as defined in OAC rule 3745-21-01(C)(5), is prohibited.

[Authority for Term: OAC rule 3745-77-07(A)(1) and PTI 08-04363]

## III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each day for the coating operation:
  - a. The company identification for each coating and cleanup material employed.
  - b. Documentation on whether or not each coating and cleanup material employed is a photochemically reactive material.
  - c. The volume of each coating and cleanup material employed, in gallons.
  - d. The OC content of each coating and cleanup material employed, in pounds per gallon.
  - e. The total OC emission rate for all the coatings and cleanup materials employed [summation of (c x d) for all coatings + summation of (c x d) for all cleanup materials], in pounds.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04363]

## IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports of each day during which the organic compound emissions from the coatings and cleanup materials exceeded 173.2 pounds per day, and the actual organic compound emissions for each such day.

The quarterly deviation (excursion) reports shall be submitted to the Director (RAPCA) by January 31, April 30, July 31 and October 31 of each year and shall cover the previous calendar quarter. If no deviation occurred during a calendar quarter, the permittee shall submit a report which states that no deviation occurred during the calendar quarter.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04363]

2. The permittee shall submit deviation reports that identify the days during which any photochemically reactive material was employed in this emissions unit. Each report shall identify the cause for the use of the photochemically reactive material(s), and the estimated total quantity of material(s) emitted during each such day, in pounds. Each report shall be submitted to the Director (RAPCA) within 30 days of the deviation.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04363]

## V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I of these terms and conditions shall be determined in accordance with the following method(s):

- 1.a Emission Limitation-  
26.44 lbs OC/hr, excluding cleanup

Applicable Compliance Method-

Compliance shall be determined by multiplying the maximum hourly coating usage of 4.0 gallon/hour times the maximum organic compound content of 6.61 pounds OC/gallon.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04363]

**V. Testing Requirements (continued)**

- 1.b** Emission Limitation-  
173.2 lbs OC/day, including cleanup

Applicable Compliance Method-

Compliance shall be based upon the record keeping requirements specified in Section A.III.1.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04363]

- 1.c** Emission Limitation-  
21.2 tons OC/yr, including cleanup

Applicable Compliance Method-

Compliance shall be based upon the record keeping requirements specified in Section A.III.1. and shall be the summation of the daily OC emission rates for the year, divided by 2000 lbs/ton.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04363]

- 1.d** Emission Limitation:  
The PE emissions from this emissions unit shall not exceed 0.551 lb/hr

Applicable Compliance Method:

To determine the actual worst case emission rate for PE, the following equation shall be used:

$E = \text{maximum coating solids usage rate (in pounds per hour)} \times (1-TE) \times (1-CE)$

E = PE rate (lbs/hr)

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment

If required, compliance shall be determined through emission testing performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5 and the procedures specified in OAC rule 3745-17-03(B)(10).

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04363]

- 1.e** Emission Limitation:  
The PE emissions from this emissions unit shall not exceed 2.41 tons/yr

Applicable Compliance Method:

The annual allowable PE limitation was developed by multiplying the hourly allowable PE limitation by the maximum operating schedule of 8760 hours/yr and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04363]

- 1.f** Emission Limitation:  
Visible PE from any stack shall not exceed 20% opacity, as a six minute average, except as specified by rule.

Applicable Compliance Method:

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

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04363]

- 2.** Formulation data or USEPA Method 24 shall be used to determine the OC contents of the coatings and cleanup materials.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04363]

Facility Name: **Neaton Auto Products Manufacturing, Inc.**  
Facility ID: **08-68-03-0155**  
Emissions Unit: **Paint Booth 6 (K020)**

**VI. Miscellaneous Requirements**

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
K020 - Paint Booth 6, touch up; Surface coating of plastic parts	none	none

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

- The permit to install for emissions units (K016, K017, K020 and K021) were evaluated based on the actual materials (typically coatings and cleanup materials) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application for all the injection mold groups combined. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: \*Toluene

TLV (ug/m3): 188,404

Maximum Hourly Emission Rate (lbs/hr): 12.32

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 1,041.1

MAGLC (ug/m3): 4,476.19

\*The worst case scenario was using the lowest TLV of Toluene and the highest emission rate of –Butyl acetate, the Predicted 1 hour n-Butyl MAGLC was less than the MAGLC for the Toluene.

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

### III. Monitoring and/or Record Keeping Requirements (continued)

- a. changes in the composition of the materials used (typically for coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;
- b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and
- c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) is (are) defined as a modification under other provisions of the modification definition, then the permittee shall obtain a final permit to install prior to the change.

2. The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"
  - a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);
  - b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and
  - c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

### IV. Reporting Requirements

**None**

### V. Testing Requirements

**None**

### VI. Miscellaneous Requirements

**None**

**Part III - Terms and Conditions for Emissions Units**

**Emissions Unit ID:** Paint Booth 2 (K021)  
**Activity Description:** Automated paint spray booth

**A. State and Federally Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
K021 - Paint Booth 2, touch up; Surface coating of plastic parts	OAC rule 3745-31-05(A)(3) PTI 08-04363	The organic compound (OC) emissions from this emissions unit shall not exceed 6.68 lbs/hr excluding cleanup, 40.1 lbs/day and 4.81 tons/yr, including cleanup.
		The particulate emissions (PE) from this emissions unit shall not exceed 2.41 tons/yr.
		The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-07(G)(9), OAC rule 3745-17-11(B)(1) and OAC rule 3745-17-07(A).
	OAC rule 3745-21-07(G)(9)	see section A.II.1
	OAC rule 3745-17-07(A)	Visible PE from any stack shall not exceed 20% opacity, as a six-minute average, except as specified by rule.
	OAC rule 3745-17-11(B)(1) (Based on Table I)	The PE from this emissions unit shall not exceed 0.551 lb/hour from any stack associated with this emissions unit.

**2. Additional Terms and Conditions**

2. The hourly emission limitation was established to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with these limits.

[Authority for Term: OAC rule 3745-77-07(A)(1) and PTI 08-04363]

## II. Operational Restrictions

1. The use of any photochemically reactive material in this emissions unit, as defined in OAC rule 3745-21-01(C)(5), is prohibited.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04363]

## III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each day for the coating operation:
  - a. The company identification for each coating and cleanup material employed.
  - b. Documentation on whether or not each coating and cleanup material employed is a photochemically reactive material.
  - c. The volume of each coating and cleanup material employed, in gallons.
  - d. The OC content of each coating and cleanup material employed, in pounds per gallon.
  - e. The total OC emission rate for all the coatings and cleanup materials employed [summation of (c x d) for all coatings + summation of (c x d) for all cleanup materials], in pounds.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04363]

## IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports of each day during which the organic compound emissions from the coatings and cleanup materials exceeded 40.1 pounds per day, and the actual organic compound emissions for each such day.

The quarterly deviation (excursion) reports shall be submitted to the Director (RAPCA) by January 31, April 30, July 31 and October 31 of each year and shall cover the previous calendar quarter. If no deviation occurred during a calendar quarter, the permittee shall submit a report which states that no deviation occurred during the calendar quarter.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04363]

2. The permittee shall submit deviation reports that identify the days during which any photochemically reactive material was employed in this emissions unit. Each report shall identify the cause for the use of the photochemically reactive material(s), and the estimated total quantity of material(s) emitted during each such day, in pounds. Each report shall be submitted to the Director (RAPCA) within 30 days of the deviation.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04363]

## V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I of these terms and conditions shall be determined in accordance with the following method(s):

- 1.a Emission Limitation-  
6.68 lbs OC/hr, excluding cleanup

Applicable Compliance Method-

Compliance shall be determined by multiplying the maximum hourly coating usage of 9.55 gallon/hour times the maximum organic compound content of 0.7 pounds OC/gallon.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04363]

**V. Testing Requirements (continued)**

- 1.b** Emission Limitation-  
40.1 lbs OC/day, including cleanup

Applicable Compliance Method-

Compliance shall be based upon the record keeping requirements specified in Section A.III.1.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04363]

- 1.c** Emission Limitation-  
4.81 tons OC/yr, including cleanup

Applicable Compliance Method-

Compliance shall be based upon the record keeping requirements specified in Section A.III.1. and shall be the summation of the daily OC emission rates for the year, divided by 2000 lbs/ton.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04363]

- 1.d** Emission Limitation:  
The PE emissions from this emissions unit shall not exceed 0.551 lb/hr

Applicable Compliance Method:

To determine the actual worst-case emission rate for PE, the following equation shall be used:

$E = \text{maximum coating solids usage rate (in pounds per hour)} \times (1-TE) \times (1-CE)$

E = PE rate (lbs/hr)

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment

If required, compliance shall be determined through emission testing performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5 and the procedures specified in OAC rule 3745-17-03(B)(10).

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04363]

- 1.e** Emission Limitation:  
The PE emissions from this emissions unit shall not exceed 2.41 tons/yr

Applicable Compliance Method:

The annual allowable PE limitation was developed by multiplying the hourly allowable PE limitation by the maximum operating schedule of 8760 hours/yr and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04363]

- 1.f** Emission Limitation:  
Visible PE from any stack shall not exceed 20% opacity, as a six minute average, except as specified by rule.

Applicable Compliance Method:

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

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04363]

- 2.** Formulation data or USEPA Method 24 shall be used to determine the OC contents of the coatings and cleanup materials.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04363]

Facility Name: **Neaton Auto Products Manufacturing, Inc.**  
Facility ID: **08-68-03-0155**  
Emissions Unit: **Paint Booth 2 (K021)**

**VI. Miscellaneous Requirements**

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
K021 - Paint Booth 2, touch up; Surface coating of plastic parts	none	none

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

- The permit to install for emissions units (K016, K017, K020 and K021) were evaluated based on the actual materials (typically coatings and cleanup materials) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application for all the injection mold groups combined. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: \*Toluene

TLV (ug/m3): 188,404

Maximum Hourly Emission Rate (lbs/hr): 12.32

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 1,041.1

MAGLC (ug/m3): 4,476.19

\*The worst case scenario was using the lowest TLV of Toluene and the highest emission rate of n-Butyl acetate, the Predicted 1 hour n-Butyl MAGLC was less than the MAGLC for the Toluene.

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

### **III. Monitoring and/or Record Keeping Requirements (continued)**

- a. changes in the composition of the materials used (typically for coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;
- b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and
- c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) is (are) defined as a modification under other provisions of the modification definition, then the permittee shall obtain a final permit to install prior to the change.

- 2. The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"
  - a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);
  - b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and
  - c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

### **IV. Reporting Requirements**

**None**

### **V. Testing Requirements**

**None**

### **VI. Miscellaneous Requirements**

**None**

## Part III - Terms and Conditions for Emissions Units

**Emissions Unit ID:** Trial Paint Booth (K022)  
**Activity Description:** Manual paint spray booth

### A. State and Federally Enforceable Section

#### I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
K022 - Manual paint spray booth	OAC rule 3745-31-05(A)(3) PTI 08-04508	The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-11(B)(1) and 3745-17-07(A).  The organic compound (OC) emissions from this emissions unit shall not exceed 8 lbs/hr, 40 lbs/day and 4.0 tons/yr, including cleanup.  The particulate emissions (PE) from this emissions unit shall not exceed 2.41 tons/yr.
	OAC rule 3745-21-07(G)(2)	The requirements established pursuant to this rule are equivalent to the requirements of OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-11(B)(1) (Based on Table I)	The PE from this emissions unit shall not exceed 0.551 lb/hour from any stack associated with this emissions unit.
	OAC rule 3745-17-07(A)	Visible PE from any stack shall not exceed 20% opacity, as a six-minute average, except as specified by rule.

#### 2. Additional Terms and Conditions

None

#### II. Operational Restrictions

None

### III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each day for the coating operation:
    - a. The company identification for each coating and cleanup material employed.
    - b. The volume of each coating and cleanup material employed, in gallons.
    - c. The OC content of each coating and cleanup material employed, in pounds per gallon.
    - d. The total OC emission rate for all the coatings and cleanup materials employed [summation of (b x c) for all coatings + summation of (b x c) for all cleanup materials], in pounds.
    - e. The total number of hours the emissions unit was in operation.
    - f. The average hourly OC emission rate for all coating and cleanup, i.e., (d)/(e), in pounds per hour (average)
- [Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04508]

### IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that include the following information:
  - a. An identification of each day during which the average hourly OC emission rate from the coatings exceeded 8.0 pounds, and the actual average hourly OC emission rate for each such day.
  - b. An identification of each day during which the daily OC emission rate from the coatings exceeded 40.0 pounds, and the actual OC emission rate for each such day.

The quarterly deviation (excursion) reports shall be submitted to the Director (RAPCA) by January 31, April 30, July 31 and October 31 of each year and shall cover the previous calendar quarter. If no deviation occurred during a calendar quarter, the permittee shall submit a report which states that no deviation occurred during the calendar quarter.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04508]

### V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I of these terms and conditions shall be determined in accordance with the following method(s):

- 1.a Emission Limitation-  
8.0 lbs OC/hr, including cleanup

Applicable Compliance Method-  
Compliance with the hourly allowable OC emission limitation above shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04508]

- 1.b Emission Limitation-  
40.0 lbs OC/day, including cleanup

Applicable Compliance Method-  
Compliance with the daily allowable OC emission limitation above shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04508]

## V. Testing Requirements (continued)

- 1.c** Emission Limitation-  
4.0 tons OC/yr, including cleanup

Applicable Compliance Method-

Compliance with the annual allowable OC emission limitation shall be based upon the record keeping requirements specified in Section A.III.1 of this permit, and shall be the sum of the daily OC emission rates for the calendar year, divided by 2,000 lbs/ton.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04508]

- 1.d** Emission Limitation:  
The PE emissions from this emissions unit shall not exceed 0.551 lb/hr

Applicable Compliance Method:

To determine the actual worst case emission rate for PE, the following equation shall be used:

$$E = \text{maximum coating solids usage rate (in pounds per hour)} \times (1-TE) \times (1-CE)$$

$$E = \text{PE rate (lbs/hr)}$$

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment

If required, compliance shall be determined through emission testing performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5 and the procedures specified in OAC rule 3745-17-03(B)(10).

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04508]

- 1.e** Emission Limitation:  
The PE emissions from this emissions unit shall not exceed 2.41 tons/yr

Applicable Compliance Method:

The annual allowable PE limitation was developed by multiplying the hourly allowable PE limitation by the maximum operating schedule of 8760 hours/yr and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04508]

- 1.f** Emission Limitation:  
Visible PE from any stack shall not exceed 20% opacity, as a six minute average, except as specified by rule.

Applicable Compliance Method:

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

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04508]

- 2.** Formulation data or USEPA Method 24 shall be used to determine the OC contents of the coatings and cleanup materials.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-04508]

## VI. Miscellaneous Requirements

None

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
K022 - Manual paint spray booth	none	none

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

- The permit to install for emissions units (K022) were evaluated based on the actual materials (typically coatings and cleanup materials) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application for all the injection mold groups combined. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: Toluene

TLV (ug/m3): 188,404

Maximum Hourly Emission Rate (lbs/hr): 2.81

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 445

MAGLC (ug/m3): 4,476.19

\*The worst case scenario was using the lowest TLV of Toluene and the highest emission rate of n-Butyl acetate, the Predicted 1 hour n-Butyl MAGLC was less than the MAGLC for the Toluene.

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

### **III. Monitoring and/or Record Keeping Requirements (continued)**

- a. changes in the composition of the materials used (typically for coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;
- b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and
- c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) is (are) defined as a modification under other provisions of the modification definition, then the permittee shall obtain a final permit to install prior to the change.

- 2. The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"
  - a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);
  - b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and
  - c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

### **IV. Reporting Requirements**

**None**

### **V. Testing Requirements**

**None**

### **VI. Miscellaneous Requirements**

**None**

### Part III - Terms and Conditions for Emissions Units

**Emissions Unit ID:** RIM #1 (P001)  
**Activity Description:** Reaction Injection Molding Booth

#### A. State and Federally Enforceable Section

##### I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P001 - reaction injection molding booth #1	OAC rule 3745-31-05(A)(3) PTI 08-639	The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-11(B)(1) and 3745-17-07(A).  The organic compound (OC) emissions from this emissions unit shall not exceed 1.6 lbs/hr, 33.2 lbs/day and 4.32 tons/yr, including cleanup.
	OAC rule 3745-21-07(G)(2)	The particulate emissions (PE) from this emissions unit shall not exceed 2.41 tons/yr.
	OAC rule 3745-17-11(B)(1) (Based on Table I)	The emission limitations specified by this rule are less stringent than the emission limitations established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-07(A)	The PE from this emissions unit shall not exceed 0.551 lb/hour from any stack associated with this emissions unit.  Visible PE from any stack shall not exceed 20% opacity, as a six-minute average, except as specified by rule.

##### 2. Additional Terms and Conditions

None

## II. Operational Restrictions

1. The permittee shall operate a dry exhaust gas filtration system to control the PE whenever this emissions unit is in operation.

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

## III. Monitoring and/or Record Keeping Requirements

1. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install #08-639, issued on 06/12/1984: A.III.2 and 3. The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

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

2. The permittee shall collect and record the following information each day for this emissions unit:
  - a. The company identification for each coating, mold release and cleanup material employed.
  - b. The volume of each coating, mold release and cleanup material employed, in gallons.
  - c. The OC content of each coating, mold release and cleanup material employed, in pounds per gallon.
  - d. The total OC emission rate for all the coatings, mold release and cleanup materials employed [summation of (b x c) for all coatings + summation of (b x c) for all cleanup materials], in pounds.
  - e. The total number of hours the emissions unit was in operation.
  - f. The average hourly OC emission rate for all coating, mold release and cleanup material, i.e., (d)/(e), in pounds per hour (average).

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

3. The permittee shall maintain a log of the time(s) when the exhaust gas filtration system was not functioning, while the emissions unit was in operation.

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

## IV. Reporting Requirements

1. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install #08-639, issued on 06/12/1984: A.IV.2, 3 and 4. The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

#### **IV. Reporting Requirements (continued)**

2. The permittee shall submit quarterly deviation (excursion) reports that include the following information:
  - a. An identification of each day during which the average hourly OC emission rate from the coatings exceeded 1.60 pounds, and the actual average hourly OC emission rate for each such day.
  - b. An identification of each day during which the daily OC emission rate from the coatings exceeded 33.2 pounds, and the actual OC emission rate for each such day.

The quarterly deviation (excursion) reports shall be submitted to the Director (RAPCA) by January 31, April 30, July 31 and October 31 of each year and shall cover the previous calendar quarter. If no deviation occurred during a calendar quarter, the permittee shall submit a report which states that no deviation occurred during the calendar quarter.

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

3. The permittee shall notify the Director (RAPCA) in writing of any daily record showing that the dry exhaust gas filtration 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 Director (RAPCA) within 45 days after the event occurs.

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

4. The permittee shall submit annual reports that specify the total actual annual OC emission from this emissions unit for the previous calendar year. This reporting requirement may be satisfied by including and identifying the specific emission data from this emissions unit in the annual Fee Emission Report.

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

#### **V. Testing Requirements**

1. Compliance with the emission limitation(s) in section A.I of these terms and conditions shall be determined in accordance with the following method(s):

- 1.a Emission Limitation-  
1.60 lbs OC/hr, including cleanup

Applicable Compliance Method-  
Compliance with the hourly allowable OC emission limitation above shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

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

- 1.b Emission Limitation-  
33.2 lbs OC/day, including cleanup

Applicable Compliance Method-  
Compliance with the daily allowable OC emission limitation above shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

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

- 1.c Emission Limitation-  
4.32 tons OC/yr, including cleanup

Applicable Compliance Method-  
Compliance with the annual allowable OC emission limitation shall be based upon the record keeping requirements specified in Section A.III.1 of this permit, and shall be the sum of the daily OC emission rates for the calendar year, divided by 2,000 lbs/ton.

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

## V. Testing Requirements (continued)

- 1.d** Emission Limitation:  
The PE from this emissions unit shall not exceed 0.551 lb/hr

Applicable Compliance Method:

To determine the actual worst case emission rate for PE, the following equation shall be used:

$$E = \text{maximum coating solids usage rate (in pounds per hour)} \times (1-TE) \times (1-CE)$$

E = PE rate (lbs/hr)

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment

If required, compliance shall be determined through emission testing performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5 and the procedures specified in OAC rule 3745-17-03(B)(10).

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

- 1.e** Emission Limitation:  
The PE from this emissions unit shall not exceed 2.41 tons/yr

Applicable Compliance Method:

The annual allowable PE limitation was developed by multiplying the hourly allowable PE limitation by the maximum operating schedule of 8760 hours/yr and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

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

- 1.f** Emission Limitation:  
Visible PE from any stack shall not exceed 20% opacity, as a six- minute average, except as specified by rule.

Applicable Compliance Method:

Compliance shall be determined through visible emission observations performed in accordance with OAC rule 3745-17-03(B)(1).

[Authority for term: OAC rules 3745-17-03(B)(1) and 3745-77-07(C)(1)]

- 2.** Formulation data or USEPA Method 24 shall be used to determine the OC contents of the coatings and cleanup materials.

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

## VI. Miscellaneous Requirements

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P001 - reaction injection molding booth #1	none	none

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

### Part III - Terms and Conditions for Emissions Units

**Emissions Unit ID:** RIM #2 (P002)  
**Activity Description:** Reaction Injection Molding Booth

#### A. State and Federally Enforceable Section

##### I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P002 - reaction injection molding booth #2	OAC rule 3745-31-05(A)(3) PTI 08-639	The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-11(B)(1) and 3745-17-07(A).  The organic compound (OC) emissions from this emissions unit shall not exceed 1.6 lbs/hr, 33.2 lbs/day and 4.32 tons/yr, including cleanup.
	OAC rule 3745-21-07(G)(2)	The particulate emissions (PE) from this emissions unit shall not exceed 2.41 tons/yr.
	OAC rule 3745-17-11(B)(1) (Based on Table I)	The emission limitations specified by this rule are less stringent than the emission limitations established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-07(A)	The PE from this emissions unit shall not exceed 0.551 lb/hour from any stack associated with this emissions unit.  Visible PE from any stack shall not exceed 20% opacity, as a six-minute average, except as specified by rule.

##### 2. Additional Terms and Conditions

None

## II. Operational Restrictions

1. The permittee shall operate a dry exhaust gas filtration system to control the PE whenever this emissions unit is in operation.

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

## III. Monitoring and/or Record Keeping Requirements

1. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install #08-639, issued on 06/12/1984: A.III.2 and 3. The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

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

2. The permittee shall collect and record the following information each day for this emissions unit:
  - a. The company identification for each coating, mold release and cleanup material employed.
  - b. The volume of each coating, mold release and cleanup material employed, in gallons.
  - c. The OC content of each coating, mold release and cleanup material employed, in pounds per gallon.
  - d. The total OC emission rate for all the coatings, mold release and cleanup materials employed [summation of (b x c) for all coatings + summation of (b x c) for all cleanup materials], in pounds.
  - e. The total number of hours the emissions unit was in operation.
  - f. The average hourly OC emission rate for all coating, mold release and cleanup material, i.e., (d)/(e), in pounds per hour (average).

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

3. The permittee shall maintain a log of the time(s) when the exhaust gas filtration system was not functioning, while the emissions unit was in operation.

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

## IV. Reporting Requirements

1. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install #08-639, issued on 06/12/1984: A.IV.2, 3 and 4. The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

#### **IV. Reporting Requirements (continued)**

2. The permittee shall submit quarterly deviation (excursion) reports that include the following information:
  - a. An identification of each day during which the average hourly OC emission rate from the coatings exceeded 1.60 pounds, and the actual average hourly OC emission rate for each such day.
  - b. An identification of each day during which the daily OC emission rate from the coatings exceeded 33.2 pounds, and the actual OC emission rate for each such day.

The quarterly deviation (excursion) reports shall be submitted to the Director (RAPCA) by January 31, April 30, July 31 and October 31 of each year and shall cover the previous calendar quarter. If no deviation occurred during a calendar quarter, the permittee shall submit a report which states that no deviation occurred during the calendar quarter.

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

3. The permittee shall notify the Director (RAPCA) in writing of any daily record showing that the dry exhaust gas filtration 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 Director (RAPCA) within 45 days after the event occurs.

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

4. The permittee shall submit annual reports that specify the total actual annual OC emission from this emissions unit for the previous calendar year. This reporting requirement may be satisfied by including and identifying the specific emission data from this emissions unit in the annual Fee Emission Report.

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

#### **V. Testing Requirements**

1. Compliance with the emission limitation(s) in section A.I of these terms and conditions shall be determined in accordance with the following method(s):

- 1.a Emission Limitation-  
1.60 lbs OC/hr, including cleanup

Applicable Compliance Method-  
Compliance with the hourly allowable OC emission limitation above shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

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

- 1.b Emission Limitation-  
33.2 lbs OC/day, including cleanup

Applicable Compliance Method-  
Compliance with the daily allowable OC emission limitation above shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

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

- 1.c Emission Limitation-  
4.32 tons OC/yr, including cleanup

Applicable Compliance Method-  
Compliance with the annual allowable OC emission limitation shall be based upon the record keeping requirements specified in Section A.III.1 of this permit, and shall be the sum of the daily OC emission rates for the calendar year, divided by 2,000 lbs/ton.

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

## V. Testing Requirements (continued)

- 1.d** Emission Limitation:  
The PE from this emissions unit shall not exceed 0.551 lb/hr

Applicable Compliance Method:

To determine the actual worst case emission rate for PE, the following equation shall be used:

$$E = \text{maximum coating solids usage rate (in pounds per hour)} \times (1-TE) \times (1-CE)$$

E = PE rate (lbs/hr)

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment

If required, compliance shall be determined through emission testing performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5 and the procedures specified in OAC rule 3745-17-03(B)(10).

[Authority for term: OAC rules OAC rule 3745-17-03(B)(10) and 3745-77-07(C)(1)]

- 1.e** Emission Limitation:  
The PE from this emissions unit shall not exceed 2.41 tons/yr

Applicable Compliance Method:

The annual allowable PE limitation was developed by multiplying the hourly allowable PE limitation by the maximum operating schedule of 8760 hours/yr and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

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

- 1.f** Emission Limitation:  
Visible PE from any stack shall not exceed 20% opacity, as a six- minute average, except as specified by rule.

Applicable Compliance Method:

Compliance shall be determined through visible emission observations performed in accordance with OAC rule 3745-17-03(B)(1).

[Authority for term: OAC rules 3745-17-03(B)(1) and 3745-77-07(C)(1)]

- 2.** Formulation data or USEPA Method 24 shall be used to determine the OC contents of the coatings and cleanup materials.

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

## VI. Miscellaneous Requirements

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P002 - reaction injection molding booth #2	none	none

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

## Part III - Terms and Conditions for Emissions Units

**Emissions Unit ID:** RIM #3 (P003)  
**Activity Description:** Reaction Injection Molding Booth

### A. State and Federally Enforceable Section

#### I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P003 - reaction injection molding booth #3	OAC rule 3745-31-05(A)(3) PTI 08-639	The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-11(B)(1) and 3745-17-07(A).  The organic compound (OC) emissions from this emissions unit shall not exceed 1.6 lbs/hr, 33.2 lbs/day and 4.32 tons/yr, including cleanup.  The particulate emissions (PE) from this emissions unit shall not exceed 2.41 tons/yr.
	OAC rule 3745-21-07(G)(2)	The emission limitations specified by this rule are less stringent than the emission limitations established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-11(B)(1) (Based on Table I)	The PE from this emissions unit shall not exceed 0.551 lb/hour from any stack associated with this emissions unit.
	OAC rule 3745-17-07(A)	Visible PE from any stack shall not exceed 20% opacity, as a six-minute average, except as specified by rule.

#### 2. Additional Terms and Conditions

**None**

## II. Operational Restrictions

1. The permittee shall operate a dry exhaust gas filtration system to control the PE whenever this emissions unit is in operation.

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

## III. Monitoring and/or Record Keeping Requirements

1. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install #08-639, issued on 06/12/1984: A.III.2 and 3. The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

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

2. The permittee shall collect and record the following information each day for this emissions unit:
  - a. The company identification for each coating, mold release and cleanup material employed.
  - b. The volume of each coating, mold release and cleanup material employed, in gallons.
  - c. The OC content of each coating, mold release and cleanup material employed, in pounds per gallon.
  - d. The total OC emission rate for all the coatings, mold release and cleanup materials employed [summation of (b x c) for all coatings + summation of (b x c) for all cleanup materials], in pounds.
  - e. The total number of hours the emissions unit was in operation.
  - f. The average hourly OC emission rate for all coating, mold release and cleanup material, i.e., (d)/(e), in pounds per hour (average).

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

3. The permittee shall maintain a log of the time(s) when the exhaust gas filtration system was not functioning, while the emissions unit was in operation.

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

## IV. Reporting Requirements

1. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install #08-639, issued on 06/12/1984: A.IV.2, 3 and 4. The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

#### **IV. Reporting Requirements (continued)**

2. The permittee shall submit quarterly deviation (excursion) reports that include the following information:
  - a. An identification of each day during which the average hourly OC emission rate from the coatings exceeded 1.60 pounds, and the actual average hourly OC emission rate for each such day.
  - b. An identification of each day during which the daily OC emission rate from the coatings exceeded 33.2 pounds, and the actual OC emission rate for each such day.

The quarterly deviation (excursion) reports shall be submitted to the Director (RAPCA) by January 31, April 30, July 31 and October 31 of each year and shall cover the previous calendar quarter. If no deviation occurred during a calendar quarter, the permittee shall submit a report which states that no deviation occurred during the calendar quarter.

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

3. The permittee shall notify the Director (RAPCA) in writing of any daily record showing that the dry exhaust gas filtration 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 Director (RAPCA) within 45 days after the event occurs.

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

4. The permittee shall submit annual reports that specify the total actual annual OC emission from this emissions unit for the previous calendar year. This reporting requirement may be satisfied by including and identifying the specific emission data from this emissions unit in the annual Fee Emission Report.

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

#### **V. Testing Requirements**

1. Compliance with the emission limitation(s) in section A.I of these terms and conditions shall be determined in accordance with the following method(s):

- 1.a Emission Limitation-  
1.60 lbs OC/hr, including cleanup

Applicable Compliance Method-  
Compliance with the hourly allowable OC emission limitation above shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

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

- 1.b Emission Limitation-  
33.2 lbs OC/day, including cleanup

Applicable Compliance Method-  
Compliance with the daily allowable OC emission limitation above shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

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

- 1.c Emission Limitation-  
4.32 tons OC/yr, including cleanup

Applicable Compliance Method-  
Compliance with the annual allowable OC emission limitation shall be based upon the record keeping requirements specified in Section A.III.1 of this permit, and shall be the sum of the daily OC emission rates for the calendar year, divided by 2,000 lbs/ton.

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

## V. Testing Requirements (continued)

- 1.d** Emission Limitation:  
The PE from this emissions unit shall not exceed 0.551 lb/hr

Applicable Compliance Method:

To determine the actual worst case emission rate for PE, the following equation shall be used:

$$E = \text{maximum coating solids usage rate (in pounds per hour)} \times (1-TE) \times (1-CE)$$

E = PE rate (lbs/hr)

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment

If required, compliance shall be determined through emission testing performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5 and the procedures specified in OAC rule 3745-17-03(B)(10).

[Authority for term: OAC rules OAC rule 3745-17-03(B)(10) and 3745-77-07(C)(1)]

- 1.e** Emission Limitation:  
The PE from this emissions unit shall not exceed 2.41 tons/yr

Applicable Compliance Method:

The annual allowable PE limitation was developed by multiplying the hourly allowable PE limitation by the maximum operating schedule of 8760 hours/yr and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

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

- 1.f** Emission Limitation:  
Visible PE from any stack shall not exceed 20% opacity, as a six- minute average, except as specified by rule.

Applicable Compliance Method:

Compliance shall be determined through visible emission observations performed in accordance with OAC rule 3745-17-03(B)(1).

[Authority for term: OAC rules 3745-17-03(B)(1) and 3745-77-07(C)(1)]

- 2.** Formulation data or USEPA Method 24 shall be used to determine the OC contents of the coatings and cleanup materials.

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

## VI. Miscellaneous Requirements

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P003 - reaction injection molding booth #3	none	none

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

## Part III - Terms and Conditions for Emissions Units

**Emissions Unit ID:** RIM #4 (P004)  
**Activity Description:** Reaction Injection Molding Booth

### A. State and Federally Enforceable Section

#### I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P004 - reaction injection molding booth #4	OAC rule 3745-31-05(A)(3) PTI 08-639	The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-11(B)(1) and 3745-17-07(A).  The organic compound (OC) emissions from this emissions unit shall not exceed 1.6 lbs/hr, 33.2 lbs/day and 4.32 tons/yr, including cleanup.  The particulate emissions (PE) from this emissions unit shall not exceed 2.41 tons/yr.
	OAC rule 3745-21-07(G)(2)	The emission limitations specified by this rule are less stringent than the emission limitations established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-11(B)(1) (Based on Table I)	The PE from this emissions unit shall not exceed 0.551 lb/hour from any stack associated with this emissions unit.
	OAC rule 3745-17-07(A)	Visible PE from any stack shall not exceed 20% opacity, as a six-minute average, except as specified by rule.

#### 2. Additional Terms and Conditions

**None**

## II. Operational Restrictions

1. The permittee shall operate a dry exhaust gas filtration system to control the PE whenever this emissions unit is in operation.

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

## III. Monitoring and/or Record Keeping Requirements

1. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install #08-639, issued on 06/12/1984: A.III.2 and 3. The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

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

2. The permittee shall collect and record the following information each day for this emissions unit:
  - a. The company identification for each coating, mold release and cleanup material employed.
  - b. The volume of each coating, mold release and cleanup material employed, in gallons.
  - c. The OC content of each coating, mold release and cleanup material employed, in pounds per gallon.
  - d. The total OC emission rate for all the coatings, mold release and cleanup materials employed [summation of (b x c) for all coatings + summation of (b x c) for all cleanup materials], in pounds.
  - e. The total number of hours the emissions unit was in operation.
  - f. The average hourly OC emission rate for all coating, mold release and cleanup material, i.e., (d)/(e), in pounds per hour (average).

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

3. The permittee shall maintain a log of the time(s) when the exhaust gas filtration system was not functioning, while the emissions unit was in operation.

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

## IV. Reporting Requirements

1. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install #08-639, issued on 06/12/1984: A.IV.2, 3 and 4. The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

#### IV. Reporting Requirements (continued)

2. The permittee shall submit quarterly deviation (excursion) reports that include the following information:
  - a. An identification of each day during which the average hourly OC emission rate from the coatings exceeded 1.60 pounds, and the actual average hourly OC emission rate for each such day.
  - b. An identification of each day during which the daily OC emission rate from the coatings exceeded 33.2 pounds, and the actual OC emission rate for each such day.

The quarterly deviation (excursion) reports shall be submitted to the Director (RAPCA) by January 31, April 30, July 31 and October 31 of each year and shall cover the previous calendar quarter. If no deviation occurred during a calendar quarter, the permittee shall submit a report which states that no deviation occurred during the calendar quarter.

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

3. The permittee shall notify the Director (RAPCA) in writing of any daily record showing that the dry exhaust gas filtration 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 Director (RAPCA) within 45 days after the event occurs.

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

4. The permittee shall submit annual reports that specify the total actual annual OC emission from this emissions unit for the previous calendar year. This reporting requirement may be satisfied by including and identifying the specific emission data from this emissions unit in the annual Fee Emission Report.

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

#### V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I of these terms and conditions shall be determined in accordance with the following method(s):

- 1.a Emission Limitation-  
1.60 lbs OC/hr, including cleanup

Applicable Compliance Method-  
Compliance with the hourly allowable OC emission limitation above shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

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

- 1.b Emission Limitation-  
33.2 lbs OC/day, including cleanup

Applicable Compliance Method-  
Compliance with the daily allowable OC emission limitation above shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

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

- 1.c Emission Limitation-  
4.32 tons OC/yr, including cleanup

Applicable Compliance Method-  
Compliance with the annual allowable OC emission limitation shall be based upon the record keeping requirements specified in Section A.III.1 of this permit, and shall be the sum of the daily OC emission rates for the calendar year, divided by 2,000 lbs/ton.

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

## V. Testing Requirements (continued)

- 1.d** Emission Limitation:  
The PE from this emissions unit shall not exceed 0.551 lb/hr

Applicable Compliance Method:

To determine the actual worst case emission rate for PE, the following equation shall be used:

$$E = \text{maximum coating solids usage rate (in pounds per hour)} \times (1-TE) \times (1-CE)$$

E = PE rate (lbs/hr)

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment

If required, compliance shall be determined through emission testing performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5 and the procedures specified in OAC rule 3745-17-03(B)(10).

[Authority for term: OAC rules OAC rule 3745-17-03(B)(10) and 3745-77-07(C)(1)]

- 1.e** Emission Limitation:  
The PE from this emissions unit shall not exceed 2.41 tons/yr

Applicable Compliance Method:

The annual allowable PE limitation was developed by multiplying the hourly allowable PE limitation by the maximum operating schedule of 8760 hours/yr and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

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

- 1.f** Emission Limitation:  
Visible PE from any stack shall not exceed 20% opacity, as a six- minute average, except as specified by rule.

Applicable Compliance Method:

Compliance shall be determined through visible emission observations performed in accordance with OAC rule 3745-17-03(B)(1).

[Authority for term: OAC rules 3745-17-03(B)(1) and 3745-77-07(C)(1)]

- 2.** Formulation data or USEPA Method 24 shall be used to determine the OC contents of the coatings and cleanup materials.

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

## VI. Miscellaneous Requirements

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P004 - reaction injection molding booth #4	none	none

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

### Part III - Terms and Conditions for Emissions Units

**Emissions Unit ID:** RIM #5 (P005)  
**Activity Description:** Reaction Injection Molding Booth

#### A. State and Federally Enforceable Section

##### I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P005 - reaction injection molding booth #5	OAC rule 3745-31-05(A)(3) PTI 08-1348	The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-11(B)(1) and 3745-17-07(A).  The organic compound (OC) emissions from this emissions unit shall not exceed 1.6 lbs/hr, 40.0 lbs/day and 4.18 tons/yr, including cleanup.  The particulate emissions (PE) from this emissions unit shall not exceed 2.41 tons/yr.
	OAC rule 3745-21-07(G)(2)	The emission limitations specified by this rule are less stringent than the emission limitations established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-11(B)(1) (Based on Table I)	The PE from this emissions unit shall not exceed 0.551 lb/hour from any stack associated with this emissions unit.
	OAC rule 3745-17-07(A)	Visible PE from any stack shall not exceed 20% opacity, as a six-minute average, except as specified by rule.

##### 2. Additional Terms and Conditions

**None**

## II. Operational Restrictions

1. The permittee shall operate a dry exhaust gas filtration system to control the PE whenever this emissions unit is in operation.

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

## III. Monitoring and/or Record Keeping Requirements

1. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install #08-1348, issued on 09/30/1987: A.III.2 and 3. The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

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

2. The permittee shall collect and record the following information each day for this emissions unit:
  - a. The company identification for each coating, mold release and cleanup material employed.
  - b. The volume of each coating, mold release and cleanup material employed, in gallons.
  - c. The OC content of each coating, mold release and cleanup material employed, in pounds per gallon.
  - d. The total OC emission rate for all the coatings, mold release and cleanup materials employed [summation of (b x c) for all coatings + summation of (b x c) for all cleanup materials], in pounds.
  - e. The total number of hours the emissions unit was in operation.
  - f. The average hourly OC emission rate for all coating, mold release and cleanup material, i.e., (d)/(e), in pounds per hour (average).

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

3. The permittee shall maintain a log of the time(s) when the exhaust gas filtration system was not functioning, while the emissions unit was in operation.

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

## IV. Reporting Requirements

1. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install #08-1348, issued on 09/31/1987: A.IV.2, 3 and 4. The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

#### **IV. Reporting Requirements (continued)**

2. The permittee shall submit quarterly deviation (excursion) reports that include the following information:
  - a. An identification of each day during which the average hourly OC emission rate from the coatings exceeded 1.6 pounds, and the actual average hourly OC emission rate for each such day.
  - b. An identification of each day during which the daily OC emission rate from the coatings exceeded 40.0 pounds, and the actual OC emission rate for each such day.

The quarterly deviation (excursion) reports shall be submitted to the Director (RAPCA) by January 31, April 30, July 31 and October 31 of each year and shall cover the previous calendar quarter. If no deviation occurred during a calendar quarter, the permittee shall submit a report which states that no deviation occurred during the calendar quarter.

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

3. The permittee shall notify the Director (RAPCA) in writing of any daily record showing that the dry exhaust gas filtration 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 Director (RAPCA) within 45 days after the event occurs.

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

4. The permittee shall submit annual reports that specify the total actual annual OC emission from this emissions unit for the previous calendar year. This reporting requirement may be satisfied by including and identifying the specific emission data from this emissions unit in the annual Fee Emission Report.

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

#### **V. Testing Requirements**

1. Compliance with the emission limitation(s) in section A.I of these terms and conditions shall be determined in accordance with the following method(s):

- 1.a Emission Limitation-  
1.6 lbs OC/hr, including cleanup

Applicable Compliance Method-  
Compliance with the hourly allowable OC emission limitation above shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

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

- 1.b Emission Limitation-  
40.0 lbs OC/day, including cleanup

Applicable Compliance Method-  
Compliance with the daily allowable OC emission limitation above shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

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

- 1.c Emission Limitation-  
4.18 tons OC/yr, including cleanup

Applicable Compliance Method-  
Compliance with the annual allowable OC emission limitation shall be based upon the record keeping requirements specified in Section A.III.1 of this permit, and shall be the sum of the daily OC emission rates for the calendar year, divided by 2,000 lbs/ton.

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

## V. Testing Requirements (continued)

- 1.d** Emission Limitation:  
The PE from this emissions unit shall not exceed 0.551 lb/hr

Applicable Compliance Method:

To determine the actual worst-case emission rate for PE, the following equation shall be used:

$$E = \text{maximum coating solids usage rate (in pounds per hour)} \times (1-TE) \times (1-CE)$$

E = PE rate (lbs/hr)

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment

If required, compliance shall be determined through emission testing performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5 and the procedures specified in OAC rule 3745-17-03(B)(10).

[Authority for term: OAC rules OAC rule 3745-17-03(B)(10) and 3745-77-07(C)(1)]

- 1.e** Emission Limitation:  
The PE from this emissions unit shall not exceed 2.41 tons/yr

Applicable Compliance Method:

The annual allowable PE limitation was developed by multiplying the hourly allowable PE limitation by the maximum operating schedule of 8760 hours/yr and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

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

- 1.f** Emission Limitation:  
Visible PE from any stack shall not exceed 20% opacity, as a six- minute average, except as specified by rule.

Applicable Compliance Method:

Compliance shall be determined through visible emission observations performed in accordance with OAC rule 3745-17-03(B)(1).

[Authority for term: OAC rules 3745-17-03(B)(1) and 3745-77-07(C)(1)]

- 2.** Formulation data or USEPA Method 24 shall be used to determine the OC contents of the coatings and cleanup materials.

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

## VI. Miscellaneous Requirements

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P005 - reaction injection molding booth #5	none	none

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

### Part III - Terms and Conditions for Emissions Units

**Emissions Unit ID:** RIM #6 (P006)  
**Activity Description:** Reaction Injection Molding Booth

#### A. State and Federally Enforceable Section

##### I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P006 - reaction injection molding booth #6	OAC rule 3745-31-05(A)(3) PTI 08-1348	The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-11(B)(1) and 3745-17-07(A).  The organic compound (OC) emissions from this emissions unit shall not exceed 1.6 lbs/hr, 40.0 lbs/day and 4.18 tons/yr, including cleanup.
	OAC rule 3745-21-07(G)(2)	The particulate emissions (PE) from this emissions unit shall not exceed 2.41 tons/yr.
	OAC rule 3745-17-11(B)(1) (Based on Table I)	The emission limitations specified by this rule are less stringent than the emission limitations established pursuant to OAC rule 3745-31-05(A)(3).  The PE from this emissions unit shall not exceed 0.551 lb/hour from any stack associated with this emissions unit.
	OAC rule 3745-17-07(A)	Visible PE from any stack shall not exceed 20% opacity, as a six-minute average, except as specified by rule.

##### 2. Additional Terms and Conditions

None

## II. Operational Restrictions

1. The permittee shall operate a dry exhaust gas filtration system to control the PE whenever this emissions unit is in operation.

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

## III. Monitoring and/or Record Keeping Requirements

1. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install #08-1348, issued on 09/30/1987: A.III.2 and 3. The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

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

2. The permittee shall collect and record the following information each day for this emissions unit:
  - a. The company identification for each coating, mold release and cleanup material employed.
  - b. The volume of each coating, mold release and cleanup material employed, in gallons.
  - c. The OC content of each coating, mold release and cleanup material employed, in pounds per gallon.
  - d. The total OC emission rate for all the coatings, mold release and cleanup materials employed [summation of (b x c) for all coatings + summation of (b x c) for all cleanup materials], in pounds.
  - e. The total number of hours the emissions unit was in operation.
  - f. The average hourly OC emission rate for all coating, mold release and cleanup material, i.e., (d)/(e), in pounds per hour (average).

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

3. The permittee shall maintain a log of the time(s) when the exhaust gas filtration system was not functioning, while the emissions unit was in operation.

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

## IV. Reporting Requirements

1. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install #08-1348, issued on 09/31/1987: A.IV.2, 3 and 4. The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

#### **IV. Reporting Requirements (continued)**

2. The permittee shall submit quarterly deviation (excursion) reports that include the following information:
  - a. An identification of each day during which the average hourly OC emission rate from the coatings exceeded 1.6 pounds, and the actual average hourly OC emission rate for each such day.
  - b. An identification of each day during which the daily OC emission rate from the coatings exceeded 40.0 pounds, and the actual OC emission rate for each such day.

The quarterly deviation (excursion) reports shall be submitted to the Director (RAPCA) by January 31, April 30, July 31 and October 31 of each year and shall cover the previous calendar quarter. If no deviation occurred during a calendar quarter, the permittee shall submit a report which states that no deviation occurred during the calendar quarter.

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

3. The permittee shall notify the Director (RAPCA) in writing of any daily record showing that the dry exhaust gas filtration 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 Director (RAPCA) within 45 days after the event occurs.

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

4. The permittee shall submit annual reports that specify the total actual annual OC emission from this emissions unit for the previous calendar year. This reporting requirement may be satisfied by including and identifying the specific emission data from this emissions unit in the annual Fee Emission Report.

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

#### **V. Testing Requirements**

1. Compliance with the emission limitation(s) in section A.I of these terms and conditions shall be determined in accordance with the following method(s):

- 1.a Emission Limitation-  
1.6 lbs OC/hr, including cleanup

Applicable Compliance Method-  
Compliance with the hourly allowable OC emission limitation above shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

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

- 1.b Emission Limitation-  
40.0 lbs OC/day, including cleanup

Applicable Compliance Method-  
Compliance with the daily allowable OC emission limitation above shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

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

- 1.c Emission Limitation-  
4.18 tons OC/yr, including cleanup

Applicable Compliance Method-  
Compliance with the annual allowable OC emission limitation shall be based upon the record keeping requirements specified in Section A.III.1 of this permit, and shall be the sum of the daily OC emission rates for the calendar year, divided by 2,000 lbs/ton.

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

## V. Testing Requirements (continued)

- 1.d** Emission Limitation:  
The PE from this emissions unit shall not exceed 0.551 lb/hr

Applicable Compliance Method:

To determine the actual worst case emission rate for PE, the following equation shall be used:

$$E = \text{maximum coating solids usage rate (in pounds per hour)} \times (1-TE) \times (1-CE)$$

E = PE rate (lbs/hr)

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment

If required, compliance shall be determined through emission testing performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5 and the procedures specified in OAC rule 3745-17-03(B)(10).

[Authority for term: OAC rules OAC rule 3745-17-03(B)(10) and 3745-77-07(C)(1)]

- 1.e** Emission Limitation:  
The PE from this emissions unit shall not exceed 2.41 tons/yr

Applicable Compliance Method:

The annual allowable PE limitation was developed by multiplying the hourly allowable PE limitation by the maximum operating schedule of 8760 hours/yr and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

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

- 1.f** Emission Limitation:  
Visible PE from any stack shall not exceed 20% opacity, as a six- minute average, except as specified by rule.

Applicable Compliance Method:

Compliance shall be determined through visible emission observations performed in accordance with OAC rule 3745-17-03(B)(1).

[Authority for term: OAC rules 3745-17-03(B)(1) and 3745-77-07(C)(1)]

- 2.** Formulation data or USEPA Method 24 shall be used to determine the OC contents of the coatings and cleanup materials.

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

## VI. Miscellaneous Requirements

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P006 - reaction injection molding booth #6	none	none

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

### Part III - Terms and Conditions for Emissions Units

**Emissions Unit ID:** RIM #7 (P007)  
**Activity Description:** Reaction Injection Molding Booth

#### A. State and Federally Enforceable Section

##### I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P007 - reaction injection molding booth #7	OAC rule 3745-31-05(A)(3) PTI 08-1348	The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-11(B)(1) and 3745-17-07(A).  The organic compound (OC) emissions from this emissions unit shall not exceed 1.6 lbs/hr, 40.0 lbs/day and 4.18 tons/yr, including cleanup.
	OAC rule 3745-21-07(G)(2)	The particulate emissions (PE) from this emissions unit shall not exceed 2.41 tons/yr.
	OAC rule 3745-17-11(B)(1) (Based on Table I)	The emission limitations specified by this rule are less stringent than the emission limitations established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-07(A)	The PE from this emissions unit shall not exceed 0.551 lb/hour from any stack associated with this emissions unit.  Visible PE from any stack shall not exceed 20% opacity, as a six-minute average, except as specified by rule.

##### 2. Additional Terms and Conditions

None

## II. Operational Restrictions

1. The permittee shall operate a dry exhaust gas filtration system to control the PE whenever this emissions unit is in operation.

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

## III. Monitoring and/or Record Keeping Requirements

1. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install #08-1348, issued on 09/30/1987: A.III.2 and 3. The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

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

2. The permittee shall collect and record the following information each day for this emissions unit:
  - a. The company identification for each coating, mold release and cleanup material employed.
  - b. The volume of each coating, mold release and cleanup material employed, in gallons.
  - c. The OC content of each coating, mold release and cleanup material employed, in pounds per gallon.
  - d. The total OC emission rate for all the coatings, mold release and cleanup materials employed [summation of (b x c) for all coatings + summation of (b x c) for all cleanup materials], in pounds.
  - e. The total number of hours the emissions unit was in operation.
  - f. The average hourly OC emission rate for all coating, mold release and cleanup material, i.e., (d)/(e), in pounds per hour (average).

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

3. The permittee shall maintain a log of the time(s) when the exhaust gas filtration system was not functioning, while the emissions unit was in operation.

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

## IV. Reporting Requirements

1. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install #08-1348, issued on 09/31/1987: A.IV.2, 3 and 4. The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

#### **IV. Reporting Requirements (continued)**

2. The permittee shall submit quarterly deviation (excursion) reports that include the following information:
  - a. An identification of each day during which the average hourly OC emission rate from the coatings exceeded 1.6 pounds, and the actual average hourly OC emission rate for each such day.
  - b. An identification of each day during which the daily OC emission rate from the coatings exceeded 40.0 pounds, and the actual OC emission rate for each such day.

The quarterly deviation (excursion) reports shall be submitted to the Director (RAPCA) by January 31, April 30, July 31 and October 31 of each year and shall cover the previous calendar quarter. If no deviation occurred during a calendar quarter, the permittee shall submit a report which states that no deviation occurred during the calendar quarter.

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

3. The permittee shall notify the Director (RAPCA) in writing of any daily record showing that the dry exhaust gas filtration 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 Director (RAPCA) within 45 days after the event occurs.

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

4. The permittee shall submit annual reports that specify the total actual annual OC emission from this emissions unit for the previous calendar year. This reporting requirement may be satisfied by including and identifying the specific emission data from this emissions unit in the annual Fee Emission Report.

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

#### **V. Testing Requirements**

1. Compliance with the emission limitation(s) in section A.I of these terms and conditions shall be determined in accordance with the following method(s):

- 1.a Emission Limitation-  
1.6 lbs OC/hr, including cleanup

Applicable Compliance Method-  
Compliance with the hourly allowable OC emission limitation above shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

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

- 1.b Emission Limitation-  
40.0 lbs OC/day, including cleanup

Applicable Compliance Method-  
Compliance with the daily allowable OC emission limitation above shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

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

- 1.c Emission Limitation-  
4.18 tons OC/yr, including cleanup

Applicable Compliance Method-  
Compliance with the annual allowable OC emission limitation shall be based upon the record keeping requirements specified in Section A.III.1 of this permit, and shall be the sum of the daily OC emission rates for the calendar year, divided by 2,000 lbs/ton.

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

## V. Testing Requirements (continued)

- 1.d** Emission Limitation:  
The PE from this emissions unit shall not exceed 0.551 lb/hr

Applicable Compliance Method:

To determine the actual worst case emission rate for PE, the following equation shall be used:

$$E = \text{maximum coating solids usage rate (in pounds per hour)} \times (1-TE) \times (1-CE)$$

$$E = \text{PE rate (lbs/hr)}$$

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment

If required, compliance shall be determined through emission testing performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5 and the procedures specified in OAC rule 3745-17-03(B)(10).

[Authority for term: OAC rules OAC rule 3745-17-03(B)(10) and 3745-77-07(C)(1)]

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

- 1.e** Emission Limitation:  
The PE from this emissions unit shall not exceed 2.41 tons/yr

Applicable Compliance Method:

The annual allowable PE limitation was developed by multiplying the hourly allowable PE limitation by the maximum operating schedule of 8760 hours/yr and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

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

- 1.f** Emission Limitation:  
Visible PE from any stack shall not exceed 20% opacity, as a six- minute average, except as specified by rule.

Applicable Compliance Method:

Compliance shall be determined through visible emission observations performed in accordance with OAC rule 3745-17-03(B)(1).

[Authority for term: OAC rules 3745-17-03(B)(1) and 3745-77-07(C)(1)]

- 2.** Formulation data or USEPA Method 24 shall be used to determine the OC contents of the coatings and cleanup materials.

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

## VI. Miscellaneous Requirements

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P007 - reaction injection molding booth #7	none	none

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

### Part III - Terms and Conditions for Emissions Units

**Emissions Unit ID:** RIM #8 (P008)  
**Activity Description:** Reaction Injection Molding Booth

#### A. State and Federally Enforceable Section

##### I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P008 - reaction injection molding booth #8	OAC rule 3745-31-05(A)(3) PTI 08-1348	The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-11(B)(1) and 3745-17-07(A).  The organic compound (OC) emissions from this emissions unit shall not exceed 1.6 lbs/hr, 40.0 lbs/day and 4.18 tons/yr, including cleanup.
	OAC rule 3745-21-07(G)(2)	The particulate emissions (PE) from this emissions unit shall not exceed 2.41 tons/yr.
	OAC rule 3745-17-11(B)(1) (Based on Table I)	The emission limitations specified by this rule are less stringent than the emission limitations established pursuant to OAC rule 3745-31-05(A)(3).  The PE from this emissions unit shall not exceed 0.551 lb/hour from any stack associated with this emissions unit.
	OAC rule 3745-17-07(A)	Visible PE from any stack shall not exceed 20% opacity, as a six-minute average, except as specified by rule.

##### 2. Additional Terms and Conditions

None

## II. Operational Restrictions

1. The permittee shall operate a dry exhaust gas filtration system to control the PE whenever this emissions unit is in operation.

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

## III. Monitoring and/or Record Keeping Requirements

1. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install #08-1348, issued on 09/30/1987: A.III.2 and 3. The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

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

2. The permittee shall collect and record the following information each day for this emissions unit:
  - a. The company identification for each coating, mold release and cleanup material employed.
  - b. The volume of each coating, mold release and cleanup material employed, in gallons.
  - c. The OC content of each coating, mold release and cleanup material employed, in pounds per gallon.
  - d. The total OC emission rate for all the coatings, mold release and cleanup materials employed [summation of (b x c) for all coatings + summation of (b x c) for all cleanup materials], in pounds.
  - e. The total number of hours the emissions unit was in operation.
  - f. The average hourly OC emission rate for all coating, mold release and cleanup material, i.e., (d)/(e), in pounds per hour (average).

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

3. The permittee shall maintain a log of the time(s) when the exhaust gas filtration system was not functioning, while the emissions unit was in operation.

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

## IV. Reporting Requirements

1. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install #08-1348, issued on 09/31/1987: A.IV.2, 3 and 4. The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

#### **IV. Reporting Requirements (continued)**

2. The permittee shall submit quarterly deviation (excursion) reports that include the following information:
  - a. An identification of each day during which the average hourly OC emission rate from the coatings exceeded 1.6 pounds, and the actual average hourly OC emission rate for each such day.
  - b. An identification of each day during which the daily OC emission rate from the coatings exceeded 40.0 pounds, and the actual OC emission rate for each such day.

The quarterly deviation (excursion) reports shall be submitted to the Director (RAPCA) by January 31, April 30, July 31 and October 31 of each year and shall cover the previous calendar quarter. If no deviation occurred during a calendar quarter, the permittee shall submit a report which states that no deviation occurred during the calendar quarter.

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

3. The permittee shall notify the Director (RAPCA) in writing of any daily record showing that the dry exhaust gas filtration 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 Director (RAPCA) within 45 days after the event occurs.

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

4. The permittee shall submit annual reports that specify the total actual annual OC emission from this emissions unit for the previous calendar year. This reporting requirement may be satisfied by including and identifying the specific emission data from this emissions unit in the annual Fee Emission Report.

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

#### **V. Testing Requirements**

1. Compliance with the emission limitation(s) in section A.I of these terms and conditions shall be determined in accordance with the following method(s):

- 1.a Emission Limitation-  
1.6 lbs OC/hr, including cleanup

Applicable Compliance Method-  
Compliance with the hourly allowable OC emission limitation above shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

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

- 1.b Emission Limitation-  
40.0 lbs OC/day, including cleanup

Applicable Compliance Method-  
Compliance with the daily allowable OC emission limitation above shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

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

- 1.c Emission Limitation-  
4.18 tons OC/yr, including cleanup

Applicable Compliance Method-  
Compliance with the annual allowable OC emission limitation shall be based upon the record keeping requirements specified in Section A.III.1 of this permit, and shall be the sum of the daily OC emission rates for the calendar year, divided by 2,000 lbs/ton.

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

## V. Testing Requirements (continued)

- 1.d** Emission Limitation:  
The PE from this emissions unit shall not exceed 0.551 lb/hr

Applicable Compliance Method:

To determine the actual worst case emission rate for PE, the following equation shall be used:

$$E = \text{maximum coating solids usage rate (in pounds per hour)} \times (1-TE) \times (1-CE)$$

E = PE rate (lbs/hr)

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment

If required, compliance shall be determined through emission testing performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5 and the procedures specified in OAC rule 3745-17-03(B)(10).

[Authority for term: OAC rules OAC rule 3745-17-03(B)(10) and 3745-77-07(C)(1)]

- 1.e** Emission Limitation:  
The PE from this emissions unit shall not exceed 2.41 tons/yr

Applicable Compliance Method:

The annual allowable PE limitation was developed by multiplying the hourly allowable PE limitation by the maximum operating schedule of 8760 hours/yr and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

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

- 1.f** Emission Limitation:  
Visible PE from any stack shall not exceed 20% opacity, as a six- minute average, except as specified by rule.

Applicable Compliance Method:

Compliance shall be determined through visible emission observations performed in accordance with OAC rule 3745-17-03(B)(1).

[Authority for term: OAC rules 3745-17-03(B)(1) and 3745-77-07(C)(1)]

- 2.** Formulation data or USEPA Method 24 shall be used to determine the OC contents of the coatings and cleanup materials.

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

## VI. Miscellaneous Requirements

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P008 - reaction injection molding booth #8	none	none

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

### Part III - Terms and Conditions for Emissions Units

**Emissions Unit ID:** RIM #9 (P009)  
**Activity Description:** Reaction Injection Molding Booth

#### A. State and Federally Enforceable Section

##### I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P009 - reaction injection molding booth #9	OAC rule 3745-31-05(A)(3) PTI 08-1320	The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-11(B)(1) and 3745-17-07(A).  The organic compound (OC) emissions from this emissions unit shall not exceed 1.6 lbs/hr, 40.0 lbs/day and 4.37 tons/yr, including cleanup.
	OAC rule 3745-21-07(G)(2)	The particulate emissions (PE) from this emissions unit shall not exceed 2.41 tons/yr.
	OAC rule 3745-17-11(B)(1) (Based on Table I)	The emission limitations specified by this rule are less stringent than the emission limitations established pursuant to OAC rule 3745-31-05(A)(3).  The PE from this emissions unit shall not exceed 0.551 lb/hour from any stack associated with this emissions unit.
	OAC rule 3745-17-07(A)	Visible PE from any stack shall not exceed 20% opacity, as a six-minute average, except as specified by rule.

##### 2. Additional Terms and Conditions

None

## II. Operational Restrictions

1. The permittee shall operate a dry exhaust gas filtration system to control the PE whenever this emissions unit is in operation.

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

## III. Monitoring and/or Record Keeping Requirements

1. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install #08-1320, issued on 09/30/1987: A.III.2 and 3. The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

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

2. The permittee shall collect and record the following information each day for this emissions unit:
  - a. The company identification for each coating, mold release and cleanup material employed.
  - b. The volume of each coating, mold release and cleanup material employed, in gallons.
  - c. The OC content of each coating, mold release and cleanup material employed, in pounds per gallon.
  - d. The total OC emission rate for all the coatings, mold release and cleanup materials employed [summation of (b x c) for all coatings + summation of (b x c) for all cleanup materials], in pounds.
  - e. The total number of hours the emissions unit was in operation.
  - f. The average hourly OC emission rate for all coating, mold release and cleanup material, i.e., (d)/(e), in pounds per hour (average).

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

3. The permittee shall maintain a log of the time(s) when the exhaust gas filtration system was not functioning, while the emissions unit was in operation.

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

## IV. Reporting Requirements

1. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install #08-1320, issued on 09/30/1987: A.IV.2, 3 and 4. The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

#### **IV. Reporting Requirements (continued)**

2. The permittee shall submit quarterly deviation (excursion) reports that include the following information:
  - a. An identification of each day during which the average hourly OC emission rate from the coatings exceeded 1.6 pounds, and the actual average hourly OC emission rate for each such day.
  - b. An identification of each day during which the daily OC emission rate from the coatings exceeded 40.0 pounds, and the actual OC emission rate for each such day.

The quarterly deviation (excursion) reports shall be submitted to the Director (RAPCA) by January 31, April 30, July 31 and October 31 of each year and shall cover the previous calendar quarter. If no deviation occurred during a calendar quarter, the permittee shall submit a report which states that no deviation occurred during the calendar quarter.

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

3. The permittee shall notify the Director (RAPCA) in writing of any daily record showing that the dry exhaust gas filtration 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 Director (RAPCA) within 45 days after the event occurs.

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

4. The permittee shall submit annual reports that specify the total actual annual OC emission from this emissions unit for the previous calendar year. This reporting requirement may be satisfied by including and identifying the specific emission data from this emissions unit in the annual Fee Emission Report.

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

#### **V. Testing Requirements**

1. Compliance with the emission limitation(s) in section A.I of these terms and conditions shall be determined in accordance with the following method(s):

- 1.a Emission Limitation-  
1.6 lbs OC/hr, including cleanup

Applicable Compliance Method-  
Compliance with the hourly allowable OC emission limitation above shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

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

- 1.b Emission Limitation-  
40.0 lbs OC/day, including cleanup

Applicable Compliance Method-  
Compliance with the daily allowable OC emission limitation above shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

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

- 1.c Emission Limitation-  
4.37 tons OC/yr, including cleanup

Applicable Compliance Method-  
Compliance with the annual allowable OC emission limitation shall be based upon the record keeping requirements specified in Section A.III.1 of this permit, and shall be the sum of the daily OC emission rates for the calendar year, divided by 2,000 lbs/ton.

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

## V. Testing Requirements (continued)

- 1.d** Emission Limitation:  
The PE from this emissions unit shall not exceed 0.551 lb/hr

Applicable Compliance Method:

To determine the actual worst case emission rate for PE, the following equation shall be used:

$$E = \text{maximum coating solids usage rate (in pounds per hour)} \times (1-TE) \times (1-CE)$$

E = PE rate (lbs/hr)

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment

If required, compliance shall be determined through emission testing performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5 and the procedures specified in OAC rule 3745-17-03(B)(10).

[Authority for term: OAC rules OAC rule 3745-17-03(B)(10) and 3745-77-07(C)(1)]

- 1.e** Emission Limitation:  
The PE from this emissions unit shall not exceed 2.41 tons/yr

Applicable Compliance Method:

The annual allowable PE limitation was developed by multiplying the hourly allowable PE limitation by the maximum operating schedule of 8760 hours/yr and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

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

- 1.f** Emission Limitation:  
Visible PE from any stack shall not exceed 20% opacity, as a six- minute average, except as specified by rule.

Applicable Compliance Method:

Compliance shall be determined through visible emission observations performed in accordance with OAC rule 3745-17-03(B)(1).

[Authority for term: OAC rules 3745-17-03(B)(1) and 3745-77-07(C)(1)]

- 2.** Formulation data or USEPA Method 24 shall be used to determine the OC contents of the coatings and cleanup materials.

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

## VI. Miscellaneous Requirements

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P009 - reaction injection molding booth #9	none	none

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

## Part III - Terms and Conditions for Emissions Units

**Emissions Unit ID:** RIM #10 (P010)  
**Activity Description:** Reaction Injection Molding Booth

### A. State and Federally Enforceable Section

#### I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P010 - reaction injection molding booth #10	OAC rule 3745-31-05(A)(3) PTI 08-1320	The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-11(B)(1) and 3745-17-07(A).  The organic compound (OC) emissions from this emissions unit shall not exceed 1.6 lbs/hr, 40.0 lbs/day and 4.37 tons/yr, including cleanup.  The particulate emissions (PE) from this emissions unit shall not exceed 2.41 tons/yr.
	OAC rule 3745-21-07(G)(2)	The emission limitations specified by this rule are less stringent than the emission limitations established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-11(B)(1) (Based on Table I)	The PE from this emissions unit shall not exceed 0.551 lb/hour from any stack associated with this emissions unit.
	OAC rule 3745-17-07(A)	Visible PE from any stack shall not exceed 20% opacity, as a six-minute average, except as specified by rule.

#### 2. Additional Terms and Conditions

**None**

## II. Operational Restrictions

1. The permittee shall operate a dry exhaust gas filtration system to control the PE whenever this emissions unit is in operation.

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

## III. Monitoring and/or Record Keeping Requirements

1. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install #08-1320, issued on 09/30/1987: A.III.2 and 3. The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

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

2. The permittee shall collect and record the following information each day for this emissions unit:
  - a. The company identification for each coating, mold release and cleanup material employed.
  - b. The volume of each coating, mold release and cleanup material employed, in gallons.
  - c. The OC content of each coating, mold release and cleanup material employed, in pounds per gallon.
  - d. The total OC emission rate for all the coatings, mold release and cleanup materials employed [summation of (b x c) for all coatings + summation of (b x c) for all cleanup materials], in pounds.
  - e. The total number of hours the emissions unit was in operation.
  - f. The average hourly OC emission rate for all coating, mold release and cleanup material, i.e., (d)/(e), in pounds per hour (average).

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

3. The permittee shall maintain a log of the time(s) when the exhaust gas filtration system was not functioning, while the emissions unit was in operation.

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

## IV. Reporting Requirements

1. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install #08-1320, issued on 09/30/1987: A.IV.2, 3 and 4. The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

#### **IV. Reporting Requirements (continued)**

2. The permittee shall submit quarterly deviation (excursion) reports that include the following information:
  - a. An identification of each day during which the average hourly OC emission rate from the coatings exceeded 1.6 pounds, and the actual average hourly OC emission rate for each such day.
  - b. An identification of each day during which the daily OC emission rate from the coatings exceeded 40.0 pounds, and the actual OC emission rate for each such day.

The quarterly deviation (excursion) reports shall be submitted to the Director (RAPCA) by January 31, April 30, July 31 and October 31 of each year and shall cover the previous calendar quarter. If no deviation occurred during a calendar quarter, the permittee shall submit a report which states that no deviation occurred during the calendar quarter.

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

3. The permittee shall notify the Director (RAPCA) in writing of any daily record showing that the dry exhaust gas filtration 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 Director (RAPCA) within 45 days after the event occurs.

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

4. The permittee shall submit annual reports that specify the total actual annual OC emission from this emissions unit for the previous calendar year. This reporting requirement may be satisfied by including and identifying the specific emission data from this emissions unit in the annual Fee Emission Report.

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

#### **V. Testing Requirements**

1. Compliance with the emission limitation(s) in section A.I of these terms and conditions shall be determined in accordance with the following method(s):

- 1.a Emission Limitation-  
1.6 lbs OC/hr, including cleanup

Applicable Compliance Method-  
Compliance with the hourly allowable OC emission limitation above shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

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

- 1.b Emission Limitation-  
40.0 lbs OC/day, including cleanup

Applicable Compliance Method-  
Compliance with the daily allowable OC emission limitation above shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

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

- 1.c Emission Limitation-  
4.37 tons OC/yr, including cleanup

Applicable Compliance Method-  
Compliance with the annual allowable OC emission limitation shall be based upon the record keeping requirements specified in Section A.III.1 of this permit, and shall be the sum of the daily OC emission rates for the calendar year, divided by 2,000 lbs/ton.

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

## V. Testing Requirements (continued)

- 1.d** Emission Limitation:  
The PE from this emissions unit shall not exceed 0.551 lb/hr

Applicable Compliance Method:

To determine the actual worst case emission rate for PE, the following equation shall be used:

$$E = \text{maximum coating solids usage rate (in pounds per hour)} \times (1-TE) \times (1-CE)$$

E = PE rate (lbs/hr)

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment

If required, compliance shall be determined through emission testing performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5 and the procedures specified in OAC rule 3745-17-03(B)(10).

[Authority for term: OAC rules OAC rule 3745-17-03(B)(10) and 3745-77-07(C)(1)]

- 1.e** Emission Limitation:  
The PE from this emissions unit shall not exceed 2.41 tons/yr

Applicable Compliance Method:

The annual allowable PE limitation was developed by multiplying the hourly allowable PE limitation by the maximum operating schedule of 8760 hours/yr and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

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

- 1.f** Emission Limitation:  
Visible PE from any stack shall not exceed 20% opacity, as a six- minute average, except as specified by rule.

Applicable Compliance Method:

Compliance shall be determined through visible emission observations performed in accordance with OAC rule 3745-17-03(B)(1).

[Authority for term: OAC rules 3745-17-03(B)(1) and 3745-77-07(C)(1)]

- 2.** Formulation data or USEPA Method 24 shall be used to determine the OC contents of the coatings and cleanup materials.

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

## VI. Miscellaneous Requirements

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P010 - reaction injection molding booth #10	none	none

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

## Part III - Terms and Conditions for Emissions Units

**Emissions Unit ID:** RIM #11 (P019)  
**Activity Description:** Reaction Injection Molding Booth

### A. State and Federally Enforceable Section

#### I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P019 - reaction injection molding booth #11	OAC rule 3745-31-05(A)(3) PTI 08-1489	The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-11(B)(1) and 3745-17-07(A).  The organic compound (OC) emissions from this emissions unit shall not exceed 1.6 lbs/hr, 38.4 lbs/day and 4.5 tons/yr, including cleanup.
	OAC rule 3745-21-07(G)(2)	The particulate emissions (PE) from this emissions unit shall not exceed 2.41 tons/yr.
	OAC rule 3745-17-11(B)(1) (Based on Table I)	The emission limitations specified by this rule are less stringent than the emission limitations established pursuant to OAC rule 3745-31-05(A)(3).  The PE from this emissions unit shall not exceed 0.551 lb/hour from any stack associated with this emissions unit.
	OAC rule 3745-17-07(A)	Visible PE from any stack shall not exceed 20% opacity, as a six-minute average, except as specified by rule.

#### 2. Additional Terms and Conditions

None

## II. Operational Restrictions

1. The permittee shall operate a dry exhaust gas filtration system to control the PE whenever this emissions unit is in operation.

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

## III. Monitoring and/or Record Keeping Requirements

1. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install #08-1489, issued on 04/13/1998: A.III.2 and 3. The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

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

2. The permittee shall collect and record the following information each day for this emissions unit:
  - a. The company identification for each coating, mold release and cleanup material employed.
  - b. The volume of each coating, mold release and cleanup material employed, in gallons.
  - c. The OC content of each coating, mold release and cleanup material employed, in pounds per gallon.
  - d. The total OC emission rate for all the coatings, mold release and cleanup materials employed [summation of (b x c) for all coatings + summation of (b x c) for all cleanup materials], in pounds.
  - e. The total number of hours the emissions unit was in operation.
  - f. The average hourly OC emission rate for all coating, mold release and cleanup material, i.e., (d)/(e), in pounds per hour (average).

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

3. The permittee shall maintain a log of the time(s) when the exhaust gas filtration system was not functioning, while the emissions unit was in operation.

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

## IV. Reporting Requirements

1. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install #08-1489, issued on 04/13/1998: A.IV.2, 3 and 4. The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

#### **IV. Reporting Requirements (continued)**

2. The permittee shall submit quarterly deviation (excursion) reports that include the following information:
  - a. An identification of each day during which the average hourly OC emission rate from the coatings exceeded 1.6 pounds, and the actual average hourly OC emission rate for each such day.
  - b. An identification of each day during which the daily OC emission rate from the coatings exceeded 38.4 pounds, and the actual OC emission rate for each such day.

The quarterly deviation (excursion) reports shall be submitted to the Director (RAPCA) by January 31, April 30, July 31 and October 31 of each year and shall cover the previous calendar quarter. If no deviation occurred during a calendar quarter, the permittee shall submit a report which states that no deviation occurred during the calendar quarter.

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

3. The permittee shall notify the Director (RAPCA) in writing of any daily record showing that the dry exhaust gas filtration 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 Director (RAPCA) within 45 days after the event occurs.

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

4. The permittee shall submit annual reports that specify the total actual annual OC emission from this emissions unit for the previous calendar year. This reporting requirement may be satisfied by including and identifying the specific emission data from this emissions unit in the annual Fee Emission Report.

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

#### **V. Testing Requirements**

1. Compliance with the emission limitation(s) in section A.I of these terms and conditions shall be determined in accordance with the following method(s):

- 1.a Emission Limitation-  
1.6 lbs OC/hr, including cleanup

Applicable Compliance Method-  
Compliance with the hourly allowable OC emission limitation above shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

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

- 1.b Emission Limitation-  
38.4 lbs OC/day, including cleanup

Applicable Compliance Method-  
Compliance with the daily allowable OC emission limitation above shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

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

- 1.c Emission Limitation-  
4.5 tons OC/yr, including cleanup

Applicable Compliance Method-  
Compliance with the annual allowable OC emission limitation shall be based upon the record keeping requirements specified in Section A.III.1 of this permit, and shall be the sum of the daily OC emission rates for the calendar year, divided by 2,000 lbs/ton.

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

## V. Testing Requirements (continued)

- 1.d** Emission Limitation:  
The PE from this emissions unit shall not exceed 0.551 lb/hr

Applicable Compliance Method:

To determine the actual worst case emission rate for PE, the following equation shall be used:

$$E = \text{maximum coating solids usage rate (in pounds per hour)} \times (1-TE) \times (1-CE)$$

E = PE rate (lbs/hr)

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment

If required, compliance shall be determined through emission testing performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5 and the procedures specified in OAC rule 3745-17-03(B)(10).

[Authority for term: OAC rules OAC rule 3745-17-03(B)(10) and 3745-77-07(C)(1)]

- 1.e** Emission Limitation:  
The PE from this emissions unit shall not exceed 2.41 tons/yr

Applicable Compliance Method:

The annual allowable PE limitation was developed by multiplying the hourly allowable PE limitation by the maximum operating schedule of 8760 hours/yr and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

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

- 1.f** Emission Limitation:  
Visible PE from any stack shall not exceed 20% opacity, as a six- minute average, except as specified by rule.

Applicable Compliance Method:

Compliance shall be determined through visible emission observations performed in accordance with OAC rule 3745-17-03(B)(1).

[Authority for term: OAC rules 3745-17-03(B)(1) and 3745-77-07(C)(1)]

- 2.** Formulation data or USEPA Method 24 shall be used to determine the OC contents of the coatings and cleanup materials.

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

## VI. Miscellaneous Requirements

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P019- reaction injection molding booth #11	none	none

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

## Part III - Terms and Conditions for Emissions Units

**Emissions Unit ID:** RIM #12 (P020)  
**Activity Description:** Reaction Injection Molding Booth

### A. State and Federally Enforceable Section

#### I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P020 - reaction injection molding booth #12	OAC rule 3745-31-05(A)(3) PTI 08-1489	The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-11(B)(1) and 3745-17-07(A).  The organic compound (OC) emissions from this emissions unit shall not exceed 1.6 lbs/hr, 38.4 lbs/day and 4.5 tons/yr, including cleanup.
	OAC rule 3745-21-07(G)(2)	The particulate emissions (PE) from this emissions unit shall not exceed 2.41 tons/yr.
	OAC rule 3745-17-11(B)(1) (Based on Table I)	The emission limitations specified by this rule are less stringent than the emission limitations established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-07(A)	The PE from this emissions unit shall not exceed 0.551 lb/hour from any stack associated with this emissions unit.  Visible PE from any stack shall not exceed 20% opacity, as a six-minute average, except as specified by rule.

#### 2. Additional Terms and Conditions

None

## II. Operational Restrictions

1. The permittee shall operate a dry exhaust gas filtration system to control the PE whenever this emissions unit is in operation.

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

## III. Monitoring and/or Record Keeping Requirements

1. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install #08-1489, issued on 04/13/1998: A.III.2 and 3. The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

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

2. The permittee shall collect and record the following information each day for this emissions unit:
  - a. The company identification for each coating, mold release and cleanup material employed.
  - b. The volume of each coating, mold release and cleanup material employed, in gallons.
  - c. The OC content of each coating, mold release and cleanup material employed, in pounds per gallon.
  - d. The total OC emission rate for all the coatings, mold release and cleanup materials employed [summation of (b x c) for all coatings + summation of (b x c) for all cleanup materials], in pounds.
  - e. The total number of hours the emissions unit was in operation.
  - f. The average hourly OC emission rate for all coating, mold release and cleanup material, i.e., (d)/(e), in pounds per hour (average).

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

3. The permittee shall maintain a log of the time(s) when the exhaust gas filtration system was not functioning, while the emissions unit was in operation.

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

## IV. Reporting Requirements

1. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install #08-1489, issued on 04/13/1998: A.IV.2, 3 and 4. The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

#### **IV. Reporting Requirements (continued)**

2. The permittee shall submit quarterly deviation (excursion) reports that include the following information:
  - a. An identification of each day during which the average hourly OC emission rate from the coatings exceeded 1.6 pounds, and the actual average hourly OC emission rate for each such day.
  - b. An identification of each day during which the daily OC emission rate from the coatings exceeded 38.4 pounds, and the actual OC emission rate for each such day.

The quarterly deviation (excursion) reports shall be submitted to the Director (RAPCA) by January 31, April 30, July 31 and October 31 of each year and shall cover the previous calendar quarter. If no deviation occurred during a calendar quarter, the permittee shall submit a report which states that no deviation occurred during the calendar quarter.

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

3. The permittee shall notify the Director (RAPCA) in writing of any daily record showing that the dry exhaust gas filtration 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 Director (RAPCA) within 45 days after the event occurs.

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

4. The permittee shall submit annual reports that specify the total actual annual OC emission from this emissions unit for the previous calendar year. This reporting requirement may be satisfied by including and identifying the specific emission data from this emissions unit in the annual Fee Emission Report.

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

#### **V. Testing Requirements**

1. Compliance with the emission limitation(s) in section A.I of these terms and conditions shall be determined in accordance with the following method(s):

- 1.a Emission Limitation-  
1.6 lbs OC/hr, including cleanup

Applicable Compliance Method-  
Compliance with the hourly allowable OC emission limitation above shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

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

- 1.b Emission Limitation-  
38.4 lbs OC/day, including cleanup

Applicable Compliance Method-  
Compliance with the daily allowable OC emission limitation above shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

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

- 1.c Emission Limitation-  
4.5 tons OC/yr, including cleanup

Applicable Compliance Method-  
Compliance with the annual allowable OC emission limitation shall be based upon the record keeping requirements specified in Section A.III.1 of this permit, and shall be the sum of the daily OC emission rates for the calendar year, divided by 2,000 lbs/ton.

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

## V. Testing Requirements (continued)

- 1.d** Emission Limitation:  
The PE from this emissions unit shall not exceed 0.551 lb/hr

Applicable Compliance Method:

To determine the actual worst case emission rate for PE, the following equation shall be used:

$$E = \text{maximum coating solids usage rate (in pounds per hour)} \times (1-TE) \times (1-CE)$$

E = PE rate (lbs/hr)

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment

If required, compliance shall be determined through emission testing performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5 and the procedures specified in OAC rule 3745-17-03(B)(10).

[Authority for term: OAC rules OAC rule 3745-17-03(B)(10) and 3745-77-07(C)(1)]

- 1.e** Emission Limitation:  
The PE from this emissions unit shall not exceed 2.41 tons/yr

Applicable Compliance Method:

The annual allowable PE limitation was developed by multiplying the hourly allowable PE limitation by the maximum operating schedule of 8760 hours/yr and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

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

- 1.f** Emission Limitation:  
Visible PE from any stack shall not exceed 20% opacity, as a six- minute average, except as specified by rule.

Applicable Compliance Method:

Compliance shall be determined through visible emission observations performed in accordance with OAC rule 3745-17-03(B)(1).

[Authority for term: OAC rules 3745-17-03(B)(1) and 3745-77-07(C)(1)]

- 2.** Formulation data or USEPA Method 24 shall be used to determine the OC contents of the coatings and cleanup materials.

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

## VI. Miscellaneous Requirements

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P019- reaction injection molding booth #11	none	none

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

**Part III - Terms and Conditions for Emissions Units**

**Emissions Unit ID:** RIM #13 (P021)  
**Activity Description:** Reaction Injection Molding Booth

**A. State and Federally Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P021 - reaction injection molding booth #13	OAC rule 3745-31-05(A)(3) PTI 08-1651	The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-11(B)(1) and 3745-17-07(A).  The organic compound (OC) emissions from this emissions unit shall not exceed 8 lbs/hr, 40 lbs/day and 6.24 tons/yr, including cleanup.
	OAC rule 3745-21-07(G)(2)	The particulate emissions (PE) from this emissions unit shall not exceed 2.41 tons/yr.
	OAC rule 3745-17-11(B)(1) (Based on Table I)	The requirements established pursuant to this rule are equivalent to the requirements of OAC rule 3745-31-05(A)(3).  The PE from this emissions unit shall not exceed 0.551 lb/hour from any stack associated with this emissions unit.
	OAC rule 3745-17-07(A)	Visible PE from any stack shall not exceed 20% opacity, as a six-minute average, except as specified by rule.

**2. Additional Terms and Conditions**

**None**

**II. Operational Restrictions**

- The permittee shall operate a dry exhaust gas filtration system to control the PE whenever this emissions unit is in operation.

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

### III. Monitoring and/or Record Keeping Requirements

1. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install #08-1651, issued on 05/10/1989: A.III.2 and 3. The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

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

2. The permittee shall collect and record the following information each day for this emissions unit:
  - a. The company identification for each coating, mold release and cleanup material employed.
  - b. The volume of each coating, mold release and cleanup material employed, in gallons.
  - c. The OC content of each coating, mold release and cleanup material employed, in pounds per gallon.
  - d. The total OC emission rate for all the coatings, mold release and cleanup materials employed [summation of (b x c) for all coatings + summation of (b x c) for all cleanup materials], in pounds.
  - e. The total number of hours the emissions unit was in operation.
  - f. The average hourly OC emission rate for all coating, mold release and cleanup material, i.e., (d)/(e), in pounds per hour (average).

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

3. The permittee shall maintain a log of the time(s) when the exhaust gas filtration system was not functioning, while the emissions unit was in operation.

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

### IV. Reporting Requirements

1. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install #08-1651, issued on 05/10/1989: A.IV.2, 3 and 4. The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.
2. The permittee shall submit quarterly deviation (excursion) reports that include the following information:

- a. An identification of each day during which the average hourly OC emission rate from the coatings exceeded 8.0 pounds, and the actual average hourly OC emission rate for each such day.
- b. An identification of each day during which the daily OC emission rate from the coatings exceeded 40.0 pounds, and the actual OC emission rate for each such day.

The quarterly deviation (excursion) reports shall be submitted to the Director (RAPCA) by January 31, April 30, July 31 and October 31 of each year and shall cover the previous calendar quarter. If no deviation occurred during a calendar quarter, the permittee shall submit a report which states that no deviation occurred during the calendar quarter.

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

3. The permittee shall notify the Director (RAPCA) in writing of any daily record showing that the dry exhaust gas filtration 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 Director (RAPCA) within 45 days after the event occurs.

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

#### IV. Reporting Requirements (continued)

4. The permittee shall submit annual reports that specify the total actual annual OC emission from this emissions unit for the previous calendar year. This reporting requirement may be satisfied by including and identifying the specific emission data from this emissions unit in the annual Fee Emission Report.

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

#### V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I of these terms and conditions shall be determined in accordance with the following method(s):

- 1.a Emission Limitation-  
8.0 lbs OC/hr, including cleanup

Applicable Compliance Method-  
Compliance with the hourly allowable OC emission limitation above shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

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

- 1.b Emission Limitation-  
40.0 lbs OC/day, including cleanup

Applicable Compliance Method-  
Compliance with the daily allowable OC emission limitation above shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

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

- 1.c Emission Limitation-  
6.24 tons OC/yr, including cleanup

Applicable Compliance Method-  
Compliance with the annual allowable OC emission limitation shall be based upon the record keeping requirements specified in Section A.III.1 of this permit, and shall be the sum of the daily OC emission rates for the calendar year, divided by 2,000 lbs/ton.

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

- 1.d Emission Limitation:  
The PE from this emissions unit shall not exceed 0.551 lb/hr

Applicable Compliance Method:  
To determine the actual worst case emission rate for PE, the following equation shall be used:

$$E = \text{maximum coating solids usage rate (in pounds per hour)} \times (1-TE) \times (1-CE)$$

$$E = \text{PE rate (lbs/hr)}$$

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment

If required, compliance shall be determined through emission testing performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5 and the procedures specified in OAC rule 3745-17-03(B)(10).

[Authority for term: OAC rules OAC rule 3745-17-03(B)(10) and 3745-77-07(C)(1)]

## **V. Testing Requirements (continued)**

- 1.e** Emission Limitation:  
The PE from this emissions unit shall not exceed 2.41 tons/yr

**Applicable Compliance Method:**

The annual allowable PE limitation was developed by multiplying the hourly allowable PE limitation by the maximum operating schedule of 8760 hours/yr and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

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

- 1.f** Emission Limitation:  
Visible PE from any stack shall not exceed 20% opacity, as a six-minute average, except as specified by rule.

**Applicable Compliance Method:**

Compliance shall be determined through visible emission observations performed in accordance with OAC rule 3745-17-03(B)(1).

[Authority for term: OAC rules 3745-17-03(B)(1) and 3745-77-07(C)(1)]

- 2.** Formulation data or USEPA Method 24 shall be used to determine the OC contents of the coatings and cleanup materials.

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

## **VI. Miscellaneous Requirements**

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P021 - reaction injection molding booth #13	none	none

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

**Part III - Terms and Conditions for Emissions Units**

**Emissions Unit ID:** RIM #14 (P024)  
**Activity Description:** Reaction Injection Molding Booth

**A. State and Federally Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P024 - reaction injection molding booth #14	OAC rule 3745-31-05(A)(3) PTI 08-1969	The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-11(B)(1) and 3745-17-07(A).  The organic compound (OC) emissions from this emissions unit shall not exceed 8 lbs/hr, 40 lbs/day and 6.24 tons/yr, including cleanup.  The particulate emissions (PE) from this emissions unit shall not exceed 2.41 tons/yr.
	OAC rule 3745-21-07(G)(2)	The requirements established pursuant to this rule are equivalent to the requirements of OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-11(B)(1) (Based on Table I)	The PE from this emissions unit shall not exceed 0.551 lb/hour from any stack associated with this emissions unit.
	OAC rule 3745-17-07(A)	Visible PE from any stack shall not exceed 20% opacity, as a six-minute average, except as specified by rule.

**2. Additional Terms and Conditions**

**None**

## II. Operational Restrictions

1. The permittee shall operate a dry exhaust gas filtration system to control the PE whenever this emissions unit is in operation.

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

## III. Monitoring and/or Record Keeping Requirements

1. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install #08-1969, issued on 05/31/1990: A.III.2 and 3. The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

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

2. The permittee shall collect and record the following information each day for this emissions unit:
  - a. The company identification for each coating, mold release and cleanup material employed.
  - b. The volume of each coating, mold release and cleanup material employed, in gallons.
  - c. The OC content of each coating, mold release and cleanup material employed, in pounds per gallon.
  - d. The total OC emission rate for all the coatings, mold release and cleanup materials employed [summation of (b x c) for all coatings + summation of (b x c) for all cleanup materials], in pounds.
  - e. The total number of hours the emissions unit was in operation.
  - f. The average hourly OC emission rate for all coating, mold release and cleanup material, i.e., (d)/(e), in pounds per hour (average).

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

3. The permittee shall maintain a log of the time(s) when the exhaust gas filtration system was not functioning, while the emissions unit was in operation.

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

## IV. Reporting Requirements

1. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install #08-1969, issued on 05/31/1990: A.IV.2, 3 and 4. The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

#### **IV. Reporting Requirements (continued)**

2. The permittee shall submit quarterly deviation (excursion) reports that include the following information:
  - a. An identification of each day during which the average hourly OC emission rate from the coatings exceeded 8.0 pounds, and the actual average hourly OC emission rate for each such day.
  - b. An identification of each day during which the daily OC emission rate from the coatings exceeded 40.0 pounds, and the actual OC emission rate for each such day.

The quarterly deviation (excursion) reports shall be submitted to the Director (RAPCA) by January 31, April 30, July 31 and October 31 of each year and shall cover the previous calendar quarter. If no deviation occurred during a calendar quarter, the permittee shall submit a report which states that no deviation occurred during the calendar quarter.

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

3. The permittee shall notify the Director (RAPCA) in writing of any daily record showing that the dry exhaust gas filtration 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 Director (RAPCA) within 45 days after the event occurs.

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

4. The permittee shall submit annual reports that specify the total actual annual OC emission from this emissions unit for the previous calendar year. This reporting requirement may be satisfied by including and identifying the specific emission data from this emissions unit in the annual Fee Emission Report.

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

#### **V. Testing Requirements**

1. Compliance with the emission limitation(s) in section A.I of these terms and conditions shall be determined in accordance with the following method(s):

- 1.a Emission Limitation-  
8.0 lbs OC/hr, including cleanup

Applicable Compliance Method-  
Compliance with the hourly allowable OC emission limitation above shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

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

- 1.b Emission Limitation-  
40.0 lbs OC/day, including cleanup

Applicable Compliance Method-  
Compliance with the daily allowable OC emission limitation above shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

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

- 1.c Emission Limitation-  
6.24 tons OC/yr, including cleanup

Applicable Compliance Method-  
Compliance with the annual allowable OC emission limitation shall be based upon the record keeping requirements specified in Section A.III.1 of this permit, and shall be the sum of the daily OC emission rates for the calendar year, divided by 2,000 lbs/ton.

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

## V. Testing Requirements (continued)

- 1.d** Emission Limitation:  
The PE from this emissions unit shall not exceed 0.551 lb/hr

Applicable Compliance Method:

To determine the actual worst case emission rate for PE, the following equation shall be used:

$$E = \text{maximum coating solids usage rate (in pounds per hour)} \times (1-TE) \times (1-CE)$$

E = PE rate (lbs/hr)

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment

If required, compliance shall be determined through emission testing performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5 and the procedures specified in OAC rule 3745-17-03(B)(10).

[Authority for term: OAC rules OAC rule 3745-17-03(B)(10) and 3745-77-07(C)(1)]

- 1.e** Emission Limitation:  
The PE from this emissions unit shall not exceed 2.41 tons/yr

Applicable Compliance Method:

The annual allowable PE limitation was developed by multiplying the hourly allowable PE limitation by the maximum operating schedule of 8760 hours/yr and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

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

- 1.f** Emission Limitation:  
Visible PE from any stack shall not exceed 20% opacity, as a six-minute average, except as specified by rule.

Applicable Compliance Method:

Compliance shall be determined through visible emission observations performed in accordance with OAC rule 3745-17-03(B)(1).

[Authority for term: OAC rules 3745-17-03(B)(1) and 3745-77-07(C)(1)]

- 2.** Formulation data or USEPA Method 24 shall be used to determine the OC contents of the coatings and cleanup materials.

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

## VI. Miscellaneous Requirements

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P024 - reaction injection molding booth #14	none	none

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

### Part III - Terms and Conditions for Emissions Units

**Emissions Unit ID:** RIM #15 (P026)  
**Activity Description:** Reaction Injection Molding Booth

#### A. State and Federally Enforceable Section

##### I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P026 - reaction injection molding booth #15	OAC rule 3745-31-05(A)(3) PTI 08-3031	The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-11(B)(1) and 3745-17-07(A).  The organic compound (OC) emissions from this emissions unit shall not exceed 8 lbs/hr, 40 lbs/day and 6.24 tons/yr, including cleanup.
	OAC rule 3745-21-07(G)(2)	The particulate emissions (PE) from this emissions unit shall not exceed 2.41 tons/yr.
	OAC rule 3745-17-11(B)(1) (Based on Table I)	The requirements established pursuant to this rule are equivalent to the requirements of OAC rule 3745-31-05(A)(3).  The PE from this emissions unit shall not exceed 0.551 lb/hour from any stack associated with this emissions unit.
	OAC rule 3745-17-07(A)	Visible PE from any stack shall not exceed 20% opacity, as a six-minute average, except as specified by rule.

##### 2. Additional Terms and Conditions

None

##### II. Operational Restrictions

- The permittee shall operate a dry exhaust gas filtration system to control the PE whenever this emissions unit is in operation.

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

### III. Monitoring and/or Record Keeping Requirements

1. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install #08-3031, issued on 03/13/1991: A.III.2 and 3. The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

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

2. The permittee shall collect and record the following information each day for this emissions unit:
  - a. The company identification for each coating, mold release and cleanup material employed.
  - b. The volume of each coating, mold release and cleanup material employed, in gallons.
  - c. The OC content of each coating, mold release and cleanup material employed, in pounds per gallon.
  - d. The total OC emission rate for all the coatings, mold release and cleanup materials employed [summation of (b x c) for all coatings + summation of (b x c) for all cleanup materials], in pounds.
  - e. The total number of hours the emissions unit was in operation.
  - f. The average hourly OC emission rate for all coating, mold release and cleanup material, i.e., (d)/(e), in pounds per hour (average).

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

3. The permittee shall maintain a log of the time(s) when the exhaust gas filtration system was not functioning, while the emissions unit was in operation.

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

### IV. Reporting Requirements

1. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install #08-3031, issued on 03/13/1991: A.IV.2, 3 and 4. The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.
2. The permittee shall submit quarterly deviation (excursion) reports that include the following information:

- a. An identification of each day during which the average hourly OC emission rate from the coatings exceeded 8.0 pounds, and the actual average hourly OC emission rate for each such day.
- b. An identification of each day during which the daily OC emission rate from the coatings exceeded 40.0 pounds, and the actual OC emission rate for each such day.

The quarterly deviation (excursion) reports shall be submitted to the Director (RAPCA) by January 31, April 30, July 31 and October 31 of each year and shall cover the previous calendar quarter. If no deviation occurred during a calendar quarter, the permittee shall submit a report which states that no deviation occurred during the calendar quarter.

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

3. The permittee shall notify the Director (RAPCA) in writing of any daily record showing that the dry exhaust gas filtration 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 Director (RAPCA) within 45 days after the event occurs.

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

#### IV. Reporting Requirements (continued)

4. The permittee shall submit annual reports that specify the total actual annual OC emission from this emissions unit for the previous calendar year. This reporting requirement may be satisfied by including and identifying the specific emission data from this emissions unit in the annual Fee Emission Report.

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

#### V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I of these terms and conditions shall be determined in accordance with the following method(s):

- 1.a Emission Limitation-  
8.0 lbs OC/hr, including cleanup

Applicable Compliance Method-  
Compliance with the hourly allowable OC emission limitation above shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

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

- 1.b Emission Limitation-  
40.0 lbs OC/day, including cleanup

Applicable Compliance Method-  
Compliance with the daily allowable OC emission limitation above shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

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

- 1.c Emission Limitation-  
6.24 tons OC/yr, including cleanup

Applicable Compliance Method-  
Compliance with the annual allowable OC emission limitation shall be based upon the record keeping requirements specified in Section A.III.1 of this permit, and shall be the sum of the daily OC emission rates for the calendar year, divided by 2,000 lbs/ton.

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

- 1.d Emission Limitation:  
The PE from this emissions unit shall not exceed 0.551 lb/hr

Applicable Compliance Method:  
To determine the actual worst case emission rate for PE, the following equation shall be used:

$$E = \text{maximum coating solids usage rate (in pounds per hour)} \times (1-TE) \times (1-CE)$$

$$E = \text{PE rate (lbs/hr)}$$

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment

If required, compliance shall be determined through emission testing performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5 and the procedures specified in OAC rule 3745-17-03(B)(10).

[Authority for term: OAC rules OAC rule 3745-17-03(B)(10) and 3745-77-07(C)(1)]

## **V. Testing Requirements (continued)**

- 1.e** Emission Limitation:  
The PE from this emissions unit shall not exceed 2.41 tons/yr

**Applicable Compliance Method:**

The annual allowable PE limitation was developed by multiplying the hourly allowable PE limitation by the maximum operating schedule of 8760 hours/yr and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

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

- 1.f** Emission Limitation:  
Visible PE from any stack shall not exceed 20% opacity, as a six-minute average, except as specified by rule.

**Applicable Compliance Method:**

Compliance shall be determined through visible emission observations performed in accordance with OAC rule 3745-17-03(B)(1).

[Authority for term: OAC rules 3745-17-03(B)(1) and 3745-77-07(C)(1)]

- 2.** Formulation data or USEPA Method 24 shall be used to determine the OC contents of the coatings and cleanup materials.

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

## **VI. Miscellaneous Requirements**

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P026 - reaction injection molding booth #15	none	none

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

### Part III - Terms and Conditions for Emissions Units

**Emissions Unit ID:** RIM #16 (P027)  
**Activity Description:** Reaction Injection Molding Booth

#### A. State and Federally Enforceable Section

##### I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P027 - reaction injection molding booth #16	OAC rule 3745-31-05(A)(3) PTI 08-3031	The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-11(B)(1) and 3745-17-07(A).  The organic compound (OC) emissions from this emissions unit shall not exceed 8 lbs/hr, 40 lbs/day and 6.24 tons/yr, including cleanup.
	OAC rule 3745-21-07(G)(2)	The particulate emissions (PE) from this emissions unit shall not exceed 2.41 tons/yr.
	OAC rule 3745-17-11(B)(1) (Based on Table I)	The requirements established pursuant to this rule are equivalent to the requirements of OAC rule 3745-31-05(A)(3).  The PE from this emissions unit shall not exceed 0.551 lb/hour from any stack associated with this emissions unit.
	OAC rule 3745-17-07(A)	Visible PE from any stack shall not exceed 20% opacity, as a six-minute average, except as specified by rule.

##### 2. Additional Terms and Conditions

None

##### II. Operational Restrictions

- The permittee shall operate a dry exhaust gas filtration system to control the PE whenever this emissions unit is in operation.

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

### III. Monitoring and/or Record Keeping Requirements

1. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install #08-3031, issued on 03/13/1991: A.III.2 and 3. The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

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

2. The permittee shall collect and record the following information each day for this emissions unit:
  - a. The company identification for each coating, mold release and cleanup material employed.
  - b. The volume of each coating, mold release and cleanup material employed, in gallons.
  - c. The OC content of each coating, mold release and cleanup material employed, in pounds per gallon.
  - d. The total OC emission rate for all the coatings, mold release and cleanup materials employed [summation of (b x c) for all coatings + summation of (b x c) for all cleanup materials], in pounds.
  - e. The total number of hours the emissions unit was in operation.
  - f. The average hourly OC emission rate for all coating, mold release and cleanup material, i.e., (d)/(e), in pounds per hour (average).

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

3. The permittee shall maintain a log of the time(s) when the exhaust gas filtration system was not functioning, while the emissions unit was in operation.

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

### IV. Reporting Requirements

1. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install #08-3031, issued on 03/13/1991: A.IV.2, 3 and 4. The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.
2. The permittee shall notify the Director (RAPCA) in writing of any daily record showing that the dry exhaust gas filtration 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 Director (RAPCA) within 45 days after the event occurs.

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

3. The permittee shall submit quarterly deviation (excursion) reports that include the following information:
  - a. An identification of each day during which the average hourly OC emission rate from the coatings exceeded 8.0 pounds, and the actual average hourly OC emission rate for each such day.
  - b. An identification of each day during which the daily OC emission rate from the coatings exceeded 40.0 pounds, and the actual OC emission rate for each such day.

The quarterly deviation (excursion) reports shall be submitted to the Director (RAPCA) by January 31, April 30, July 31 and October 31 of each year and shall cover the previous calendar quarter. If no deviation occurred during a calendar quarter, the permittee shall submit a report which states that no deviation occurred during the calendar quarter.

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

#### IV. Reporting Requirements (continued)

4. The permittee shall submit annual reports that specify the total actual annual OC emission from this emissions unit for the previous calendar year. This reporting requirement may be satisfied by including and identifying the specific emission data from this emissions unit in the annual Fee Emission Report.

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

#### V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I of these terms and conditions shall be determined in accordance with the following method(s):

- 1.a Emission Limitation-  
8.0 lbs OC/hr, including cleanup

Applicable Compliance Method-  
Compliance with the hourly allowable OC emission limitation above shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

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

- 1.b Emission Limitation-  
40.0 lbs OC/day, including cleanup

Applicable Compliance Method-  
Compliance with the daily allowable OC emission limitation above shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

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

- 1.c Emission Limitation-  
6.24 tons OC/yr, including cleanup

Applicable Compliance Method-  
Compliance with the annual allowable OC emission limitation shall be based upon the record keeping requirements specified in Section A.III.1 of this permit, and shall be the sum of the daily OC emission rates for the calendar year, divided by 2,000 lbs/ton.

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

- 1.d Emission Limitation:  
The PE from this emissions unit shall not exceed 0.551 lb/hr

Applicable Compliance Method:  
To determine the actual worst case emission rate for PE, the following equation shall be used:

$$E = \text{maximum coating solids usage rate (in pounds per hour)} \times (1-TE) \times (1-CE)$$

$$E = \text{PE rate (lbs/hr)}$$

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment

If required, compliance shall be determined through emission testing performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5 and the procedures specified in OAC rule 3745-17-03(B)(10).

[Authority for term: OAC rules OAC rule 3745-17-03(B)(10) and 3745-77-07(C)(1)]

## **V. Testing Requirements (continued)**

- 1.e** Emission Limitation:  
The PE from this emissions unit shall not exceed 2.41 tons/yr

**Applicable Compliance Method:**

The annual allowable PE limitation was developed by multiplying the hourly allowable PE limitation by the maximum operating schedule of 8760 hours/yr and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

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

- 1.f** Emission Limitation:  
Visible PE from any stack shall not exceed 20% opacity, as a six-minute average, except as specified by rule.

**Applicable Compliance Method:**

Compliance shall be determined through visible emission observations performed in accordance with OAC rule 3745-17-03(B)(1).

[Authority for term: OAC rules 3745-17-03(B)(1) and 3745-77-07(C)(1)]

- 2.** Formulation data or USEPA Method 24 shall be used to determine the OC contents of the coatings and cleanup materials.

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

## **VI. Miscellaneous Requirements**

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P027 - reaction injection molding booth #16	none	none

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

### Part III - Terms and Conditions for Emissions Units

**Emissions Unit ID:** RIM #17 (P039)  
**Activity Description:** Reaction Injection Molding Booth

#### A. State and Federally Enforceable Section

##### I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P039 - reaction injection molding booth #17	OAC rule 3745-31-05(A)(3) PTI 08-3045	The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-11(B)(1) and 3745-17-07(A).  The organic compound (OC) emissions from this emissions unit shall not exceed 1.6 lbs/hr, 40 lbs/day and 7.3 tons/yr, including cleanup.
	OAC rule 3745-21-07(G)(2)	The particulate emissions (PE) from this emissions unit shall not exceed 2.41 tons/yr.
	OAC rule 3745-17-11(B)(1) (Based on Table I)	The emission limitations specified by this rule are less stringent than the emission limitations established pursuant to OAC rule 3745-31-05(A)(3).  The PE from this emissions unit shall not exceed 0.551 lb/hour from any stack associated with this emissions unit.
	OAC rule 3745-17-07(A)	Visible PE from any stack shall not exceed 20% opacity, as a six-minute average, except as specified by rule.

##### 2. Additional Terms and Conditions

None

## II. Operational Restrictions

1. The permittee shall operate a dry exhaust gas filtration system to control the PE whenever this emissions unit is in operation.

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

## III. Monitoring and/or Record Keeping Requirements

1. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install #08-3045, issued on 07/13/1991: A.III.2 and 3. The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

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

2. The permittee shall collect and record the following information each day for this emissions unit:
  - a. The company identification for each coating, mold release and cleanup material employed.
  - b. The volume of each coating, mold release and cleanup material employed, in gallons.
  - c. The OC content of each coating, mold release and cleanup material employed, in pounds per gallon.
  - d. The total OC emission rate for all the coatings, mold release and cleanup materials employed [summation of (b x c) for all coatings + summation of (b x c) for all cleanup materials], in pounds.
  - e. The total number of hours the emissions unit was in operation.
  - f. The average hourly OC emission rate for all coating, mold release and cleanup material, i.e., (d)/(e), in pounds per hour (average).

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

3. The permittee shall maintain a log of the time(s) when the exhaust gas filtration system was not functioning, while the emissions unit was in operation.

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

## IV. Reporting Requirements

1. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install #08-3045, issued on 07/13/1991: A.IV.2, 3 and 4. The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

#### **IV. Reporting Requirements (continued)**

2. The permittee shall submit quarterly deviation (excursion) reports that include the following information:
  - a. An identification of each day during which the average hourly OC emission rate from the coatings exceeded 1.6 pounds, and the actual average hourly OC emission rate for each such day.
  - b. An identification of each day during which the daily OC emission rate from the coatings exceeded 40.0 pounds, and the actual OC emission rate for each such day.

The quarterly deviation (excursion) reports shall be submitted to the Director (RAPCA) by January 31, April 30, July 31 and October 31 of each year and shall cover the previous calendar quarter. If no deviation occurred during a calendar quarter, the permittee shall submit a report which states that no deviation occurred during the calendar quarter.

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

3. The permittee shall notify the Director (RAPCA) in writing of any daily record showing that the dry exhaust gas filtration 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 Director (RAPCA) within 45 days after the event occurs.

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

4. The permittee shall submit annual reports that specify the total actual annual OC emission from this emissions unit for the previous calendar year. This reporting requirement may be satisfied by including and identifying the specific emission data from this emissions unit in the annual Fee Emission Report.

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

#### **V. Testing Requirements**

1. Compliance with the emission limitation(s) in section A.I of these terms and conditions shall be determined in accordance with the following method(s):

- 1.a Emission Limitation-  
1.6 lbs OC/hr, including cleanup

Applicable Compliance Method-  
Compliance with the hourly allowable OC emission limitation above shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

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

- 1.b Emission Limitation-  
40.0 lbs OC/day, including cleanup

Applicable Compliance Method-  
Compliance with the daily allowable OC emission limitation above shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

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

- 1.c Emission Limitation-  
7.3 tons OC/yr, including cleanup

Applicable Compliance Method-  
Compliance with the annual allowable OC emission limitation shall be based upon the record keeping requirements specified in Section A.III.1 of this permit, and shall be the sum of the daily OC emission rates for the calendar year, divided by 2,000 lbs/ton.

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

## V. Testing Requirements (continued)

- 1.d** Emission Limitation:  
The PE from this emissions unit shall not exceed 0.551 lb/hr

Applicable Compliance Method:

To determine the actual worst case emission rate for PE, the following equation shall be used:

$$E = \text{maximum coating solids usage rate (in pounds per hour)} \times (1-TE) \times (1-CE)$$

E = PE rate (lbs/hr)

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment

If required, compliance shall be determined through emission testing performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5 and the procedures specified in OAC rule 3745-17-03(B)(10).

[Authority for term: OAC rules OAC rule 3745-17-03(B)(10) and 3745-77-07(C)(1)]

- 1.e** Emission Limitation:  
The PE from this emissions unit shall not exceed 2.41 tons/yr

Applicable Compliance Method:

The annual allowable PE limitation was developed by multiplying the hourly allowable PE limitation by the maximum operating schedule of 8760 hours/yr and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

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

- 1.f** Emission Limitation:  
Visible PE from any stack shall not exceed 20% opacity, as a six-minute average, except as specified by rule.

Applicable Compliance Method:

Compliance shall be determined through visible emission observations performed in accordance with OAC rule 3745-17-03(B)(1).

[Authority for term: OAC rules 3745-17-03(B)(1) and 3745-77-07(C)(1)]

- 2.** Formulation data or USEPA Method 24 shall be used to determine the OC contents of the coatings and cleanup materials.

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

## VI. Miscellaneous Requirements

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P039 - reaction injection molding booth #17	none	none

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

### Part III - Terms and Conditions for Emissions Units

**Emissions Unit ID:** RIM #18 (P040)  
**Activity Description:** Reaction Injection Molding Booth

#### A. State and Federally Enforceable Section

##### I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P040 - reaction injection molding booth #18	OAC rule 3745-31-05(A)(3) PTI 08-3045	The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-11(B)(1) and 3745-17-07(A).  The organic compound (OC) emissions from this emissions unit shall not exceed 1.6 lbs/hr, 40 lbs/day and 7.3 tons/yr, including cleanup.
	OAC rule 3745-21-07(G)(2)	The particulate emissions (PE) from this emissions unit shall not exceed 2.41 tons/yr.
	OAC rule 3745-17-11(B)(1) (Based on Table I)	The emission limitations specified by this rule are less stringent than the emission limitations established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-07(A)	The PE from this emissions unit shall not exceed 0.551 lb/hour from any stack associated with this emissions unit.  Visible PE from any stack shall not exceed 20% opacity, as a six-minute average, except as specified by rule.

##### 2. Additional Terms and Conditions

None

## II. Operational Restrictions

1. The permittee shall operate a dry exhaust gas filtration system to control the PE whenever this emissions unit is in operation.

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

## III. Monitoring and/or Record Keeping Requirements

1. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install #08-3045, issued on 07/13/1991: A.III.2 and 3. The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

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

2. The permittee shall collect and record the following information each day for this emissions unit:
  - a. The company identification for each coating, mold release and cleanup material employed.
  - b. The volume of each coating, mold release and cleanup material employed, in gallons.
  - c. The OC content of each coating, mold release and cleanup material employed, in pounds per gallon.
  - d. The total OC emission rate for all the coatings, mold release and cleanup materials employed [summation of (b x c) for all coatings + summation of (b x c) for all cleanup materials], in pounds.
  - e. The total number of hours the emissions unit was in operation.
  - f. The average hourly OC emission rate for all coating, mold release and cleanup material, i.e., (d)/(e), in pounds per hour (average).

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

3. The permittee shall maintain a log of the time(s) when the exhaust gas filtration system was not functioning, while the emissions unit was in operation.

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

## IV. Reporting Requirements

1. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install #08-3045, issued on 07/13/1991: A.IV.2, 3 and 4. The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.
2. The permittee shall notify the Director (RAPCA) in writing of any daily record showing that the dry exhaust gas filtration 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 Director (RAPCA) within 45 days after the event occurs.

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

#### **IV. Reporting Requirements (continued)**

- 3.** The permittee shall submit quarterly deviation (excursion) reports that include the following information:
  - a. An identification of each day during which the average hourly OC emission rate from the coatings exceeded 1.6 pounds, and the actual average hourly OC emission rate for each such day.
  - b. An identification of each day during which the daily OC emission rate from the coatings exceeded 40.0 pounds, and the actual OC emission rate for each such day.

The quarterly deviation (excursion) reports shall be submitted to the Director (RAPCA) by January 31, April 30, July 31 and October 31 of each year and shall cover the previous calendar quarter. If no deviation occurred during a calendar quarter, the permittee shall submit a report which states that no deviation occurred during the calendar quarter.

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

- 4.** The permittee shall submit annual reports that specify the total actual annual OC emission from this emissions unit for the previous calendar year. This reporting requirement may be satisfied by including and identifying the specific emission data from this emissions unit in the annual Fee Emission Report.

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

#### **V. Testing Requirements**

- 1.** Compliance with the emission limitation(s) in section A.I of these terms and conditions shall be determined in accordance with the following method(s):

- 1.a** Emission Limitation-  
1.6 lbs OC/hr, including cleanup

Applicable Compliance Method-  
Compliance with the hourly allowable OC emission limitation above shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

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

- 1.b** Emission Limitation-  
40.0 lbs OC/day, including cleanup

Applicable Compliance Method-  
Compliance with the daily allowable OC emission limitation above shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

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

- 1.c** Emission Limitation-  
7.3 tons OC/yr, including cleanup

Applicable Compliance Method-  
Compliance with the annual allowable OC emission limitation shall be based upon the record keeping requirements specified in Section A.III.1 of this permit, and shall be the sum of the daily OC emission rates for the calendar year, divided by 2,000 lbs/ton.

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

## V. Testing Requirements (continued)

- 1.d** Emission Limitation:  
The PE from this emissions unit shall not exceed 0.551 lb/hr

Applicable Compliance Method:

To determine the actual worst case emission rate for PE, the following equation shall be used:

$$E = \text{maximum coating solids usage rate (in pounds per hour)} \times (1-TE) \times (1-CE)$$

E = PE rate (lbs/hr)

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment

If required, compliance shall be determined through emission testing performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5 and the procedures specified in OAC rule 3745-17-03(B)(10).

[Authority for term: OAC rules OAC rule 3745-17-03(B)(10) and 3745-77-07(C)(1)]

- 1.e** Emission Limitation:  
The PE from this emissions unit shall not exceed 2.41 tons/yr

Applicable Compliance Method:

The annual allowable PE limitation was developed by multiplying the hourly allowable PE limitation by the maximum operating schedule of 8760 hours/yr and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

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

- 1.f** Emission Limitation:  
Visible PE from any stack shall not exceed 20% opacity, as a six-minute average, except as specified by rule.

Applicable Compliance Method:

Compliance shall be determined through visible emission observations performed in accordance with OAC rule 3745-17-03(B)(1).

[Authority for term: OAC rules 3745-17-03(B)(1) and 3745-77-07(C)(1)]

- 2.** Formulation data or USEPA Method 24 shall be used to determine the OC contents of the coatings and cleanup materials.

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

## VI. Miscellaneous Requirements

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P040 - reaction injection molding booth #18	none	none

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

**Part III - Terms and Conditions for Emissions Units**

**Emissions Unit ID:** RIM #19 (P041)  
**Activity Description:** Reaction Injection Molding Booth

**A. State and Federally Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P041 - reaction injection molding booth #19	OAC rule 3745-31-05(A)(3) PTI 08-3782	The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-11(B)(1) and 3745-17-07(A).  The organic compound (OC) emissions from this emissions unit shall not exceed 8 lbs/hr, 40 lbs/day and 7.3 tons/yr, including cleanup.
	OAC rule 3745-21-07(G)(2)	The particulate emissions (PE) from this emissions unit shall not exceed 2.41 tons/yr.
	OAC rule 3745-17-11(B)(1) (Based on Table I)	The requirements established pursuant to this rule are equivalent to the requirements of OAC rule 3745-31-05(A)(3).  The PE from this emissions unit shall not exceed 0.551 lb/hour from any stack associated with this emissions unit.
	OAC rule 3745-17-07(A)	Visible PE from any stack shall not exceed 20% opacity, as a six-minute average, except as specified by rule.

**2. Additional Terms and Conditions**

**None**

**II. Operational Restrictions**

- The permittee shall operate a dry exhaust gas filtration system to control the PE whenever this emissions unit is in operation.

[Authority for Term: OAC rule 3745-77-07(A)(1) and PTI 08-3782]

### III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each day for this emissions unit:
  - a. The company identification for each coating, mold release and cleanup material employed.
  - b. The volume of each coating, mold release and cleanup material employed, in gallons.
  - c. The OC content of each coating, mold release and cleanup material employed, in pounds per gallon.
  - d. The total OC emission rate for all the coatings, mold release and cleanup materials employed [summation of (b x c) for all coatings + summation of (b x c) for all cleanup materials], in pounds.
  - e. The total number of hours the emissions unit was in operation.
  - f. The average hourly OC emission rate for all coating, mold release and cleanup material, i.e., (d)/(e), in pounds per hour (average).

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

2. The permittee shall maintain a log of the time(s) when the exhaust gas filtration system was not functioning, while the emissions unit was in operation.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-3782]

### IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that include the following information:
  - a. An identification of each day during which the average hourly OC emission rate from the coatings exceeded 8.0 pounds, and the actual average hourly OC emission rate for each such day.
  - b. An identification of each day during which the daily OC emission rate from the coatings exceeded 40.0 pounds, and the actual OC emission rate for each such day.

The quarterly deviation (excursion) reports shall be submitted to the Director (RAPCA) by January 31, April 30, July 31 and October 31 of each year and shall cover the previous calendar quarter. If no deviation occurred during a calendar quarter, the permittee shall submit a report which states that no deviation occurred during the calendar quarter.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-3782]

2. The permittee shall notify the Director (RAPCA) in writing of any daily record showing that the dry exhaust gas filtration 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 Director (RAPCA) within 45 days after the event occurs.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-3782]

3. The permittee shall submit annual reports that specify the total actual annual OC emission from this emissions unit for the previous calendar year. This reporting requirement may be satisfied by including and identifying the specific emission data from this emissions unit in the annual Fee Emission Report.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-3782]

### V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I of these terms and conditions shall be determined in accordance with the following method(s):

**V. Testing Requirements (continued)**

- 1.a** Emission Limitation-  
8.0 lbs OC/hr, including cleanup

Applicable Compliance Method-

Compliance with the hourly allowable OC emission limitation above shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-3782]

- 1.b** Emission Limitation-  
40.0 lbs OC/day, including cleanup

Applicable Compliance Method-

Compliance with the daily allowable OC emission limitation above shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-3782]

- 1.c** Emission Limitation-  
7.3 tons OC/yr, including cleanup

Applicable Compliance Method-

Compliance with the annual allowable OC emission limitation shall be based upon the record keeping requirements specified in Section A.III.1 of this permit, and shall be the sum of the daily OC emission rates for the calendar year, divided by 2,000 lbs/ton.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-3782]

- 1.d** Emission Limitation:  
The PE from this emissions unit shall not exceed 0.551 lb/hr

Applicable Compliance Method:

To determine the actual worst case emission rate for PE, the following equation shall be used:

$$E = \text{maximum coating solids usage rate (in pounds per hour)} \times (1-TE) \times (1-CE)$$

$$E = \text{PE rate (lbs/hr)}$$

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment

If required, compliance shall be determined through emission testing performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5 and the procedures specified in OAC rule 3745-17-03(B)(10).

[Authority for term: OAC rules OAC rule 3745-17-03(B)(10) and 3745-77-07(C)(1) and PTI 08-3782]

- 1.e** Emission Limitation:  
The PE from this emissions unit shall not exceed 2.41 tons/yr

Applicable Compliance Method:

The annual allowable PE limitation was developed by multiplying the hourly allowable PE limitation by the maximum operating schedule of 8760 hours/yr and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI 08-3782]

**V. Testing Requirements (continued)**

- 1.f** Emission Limitation:  
Visible PE from any stack shall not exceed 20% opacity, as a six-minute average, except as specified by rule.

Applicable Compliance Method:

Compliance shall be determined through visible emission observations performed in accordance with OAC rule 3745-17-03(B)(1).

[Authority for term: OAC rules 3745-17-03(B)(1), 3745-77-07(C)(1) and PTI 08-3782]

- 2.** Formulation data or USEPA Method 24 shall be used to determine the OC contents of the coatings and cleanup materials.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-3782]

**VI. Miscellaneous Requirements**

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P041 - reaction injection molding booth #19	none	none

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

## Part III - Terms and Conditions for Emissions Units

**Emissions Unit ID:** RIM #20 (P042)  
**Activity Description:** Reaction Injection Molding Booth

### A. State and Federally Enforceable Section

#### I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P042- reaction injection molding booth #20	OAC rule 3745-31-05(A)(3) PTI 08-3782	The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-11(B)(1) and 3745-17-07(A).  The organic compound (OC) emissions from this emissions unit shall not exceed 8 lbs/hr, 40 lbs/day and 7.3 tons/yr, including cleanup.
	OAC rule 3745-21-07(G)(2)	The particulate emissions (PE) from this emissions unit shall not exceed 2.41 tons/yr.
	OAC rule 3745-17-11(B)(1) (Based on Table I)	The requirements established pursuant to this rule are equivalent to the requirements of OAC rule 3745-31-05(A)(3).  The PE from this emissions unit shall not exceed 0.551 lb/hour from any stack associated with this emissions unit.
	OAC rule 3745-17-07(A)	Visible PE from any stack shall not exceed 20% opacity, as a six-minute average, except as specified by rule.

#### 2. Additional Terms and Conditions

None

#### II. Operational Restrictions

- The permittee shall operate a dry exhaust gas filtration system to control the PE whenever this emissions unit is in operation.

[Authority for Term: OAC rule 3745-77-07(A)(1) and PTI 08-3782]

### III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each day for this emissions unit:
  - a. The company identification for each coating, mold release and cleanup material employed.
  - b. The volume of each coating, mold release and cleanup material employed, in gallons.
  - c. The OC content of each coating, mold release and cleanup material employed, in pounds per gallon.
  - d. The total OC emission rate for all the coatings, mold release and cleanup materials employed [summation of (b x c) for all coatings + summation of (b x c) for all cleanup materials], in pounds.
  - e. The total number of hours the emissions unit was in operation.
  - f. The average hourly OC emission rate for all coating, mold release and cleanup material, i.e., (d)/(e), in pounds per hour (average).

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-3782]

2. The permittee shall maintain a log of the time(s) when the exhaust gas filtration system was not functioning, while the emissions unit was in operation.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-3782]

### IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that include the following information:
  - a. An identification of each day during which the average hourly OC emission rate from the coatings exceeded 8.0 pounds, and the actual average hourly OC emission rate for each such day.
  - b. An identification of each day during which the daily OC emission rate from the coatings exceeded 40.0 pounds, and the actual OC emission rate for each such day.

The quarterly deviation (excursion) reports shall be submitted to the Director (RAPCA) by January 31, April 30, July 31 and October 31 of each year and shall cover the previous calendar quarter. If no deviation occurred during a calendar quarter, the permittee shall submit a report which states that no deviation occurred during the calendar quarter.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-3782]

2. The permittee shall notify the Director (RAPCA) in writing of any daily record showing that the dry exhaust gas filtration 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 Director (RAPCA) within 45 days after the event occurs.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-3782]

3. The permittee shall submit annual reports that specify the total actual annual OC emission from this emissions unit for the previous calendar year. This reporting requirement may be satisfied by including and identifying the specific emission data from this emissions unit in the annual Fee Emission Report.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-3782]

### V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I of these terms and conditions shall be determined in accordance with the following method(s):

**V. Testing Requirements (continued)**

- 1.a** Emission Limitation-  
8.0 lbs OC/hr, including cleanup

Applicable Compliance Method-

Compliance with the hourly allowable OC emission limitation above shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-3782]

- 1.b** Emission Limitation-  
40.0 lbs OC/day, including cleanup

Applicable Compliance Method-

Compliance with the daily allowable OC emission limitation above shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-3782]

- 1.c** Emission Limitation-  
7.3 tons OC/yr, including cleanup

Applicable Compliance Method-

Compliance with the annual allowable OC emission limitation shall be based upon the record keeping requirements specified in Section A.III.1 of this permit, and shall be the sum of the daily OC emission rates for the calendar year, divided by 2,000 lbs/ton.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-3782]

- 1.d** Emission Limitation:  
The PE from this emissions unit shall not exceed 0.551 lb/hr

Applicable Compliance Method:

To determine the actual worst case emission rate for PE, the following equation shall be used:

$$E = \text{maximum coating solids usage rate (in pounds per hour)} \times (1-TE) \times (1-CE)$$

$$E = \text{PE rate (lbs/hr)}$$

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment

If required, compliance shall be determined through emission testing performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5 and the procedures specified in OAC rule 3745-17-03(B)(10).

[Authority for term: OAC rules OAC rule 3745-17-03(B)(10), 3745-77-07(C)(1) and PTI 08-3782]

- 1.e** Emission Limitation:  
The PE from this emissions unit shall not exceed 2.41 tons/yr

Applicable Compliance Method:

The annual allowable PE limitation was developed by multiplying the hourly allowable PE limitation by the maximum operating schedule of 8760 hours/yr and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI 08-3782]

**V. Testing Requirements (continued)**

- 1.f** Emission Limitation:  
Visible PE from any stack shall not exceed 20% opacity, as a six-minute average, except as specified by rule.

Applicable Compliance Method:

Compliance shall be determined through visible emission observations performed in accordance with OAC rule 3745-17-03(B)(1).

[Authority for term: OAC rules 3745-17-03(B)(1), 3745-77-07(C)(1) and PTI 08-3782]

- 2.** Formulation data or USEPA Method 24 shall be used to determine the OC contents of the coatings and cleanup materials.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-3782]

**VI. Miscellaneous Requirements**

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P042 - reaction injection molding booth #20	none	none

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

### Part III - Terms and Conditions for Emissions Units

**Emissions Unit ID:** RIM #21 (P043)  
**Activity Description:** Reaction Injection Molding Booth

#### A. State and Federally Enforceable Section

##### I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P043 - reaction injection molding booth #21	OAC rule 3745-31-05(A)(3) PTI 08-3782	The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-11(B)(1) and 3745-17-07(A).  The organic compound (OC) emissions from this emissions unit shall not exceed 7.3 tons/yr, including cleanup.
	OAC rule 3745-21-07(G)(2)	The particulate emissions (PE) from this emissions unit shall not exceed 2.41 tons/yr.
	OAC rule 3745-17-11(B)(1) (Based on Table I)	The requirements established pursuant to this rule are equivalent to the requirements of OAC rule 3745-31-05(A)(3).  The PE from this emissions unit shall not exceed 0.551 lb/hour from any stack associated with this emissions unit.
	OAC rule 3745-17-07(A)	Visible PE from any stack shall not exceed 20% opacity, as a six-minute average, except as specified by rule.

##### 2. Additional Terms and Conditions

None

##### II. Operational Restrictions

- The permittee shall operate a dry exhaust gas filtration system to control the PE whenever this emissions unit is in operation.

[Authority for Term: OAC rule 3745-77-07(A)(1) and PTI 08-3782]

### III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each day for this emissions unit:
  - a. The company identification for each coating, mold release and cleanup material employed.
  - b. The volume of each coating, mold release and cleanup material employed, in gallons.
  - c. The OC content of each coating, mold release and cleanup material employed, in pounds per gallon.
  - d. The total OC emission rate for all the coatings, mold release and cleanup materials employed [summation of (b x c) for all coatings + summation of (b x c) for all cleanup materials], in pounds.
  - e. The total number of hours the emissions unit was in operation.
  - f. The average hourly OC emission rate for all coating, mold release and cleanup material, i.e., (d)/(e), in pounds per hour (average).

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-3782]

2. The permittee shall maintain a log of the time(s) when the exhaust gas filtration system was not functioning, while the emissions unit was in operation.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-3782]

### IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that include the following information:
  - a. An identification of each day during which the average hourly OC emission rate from the coatings exceeded 8.0 pounds, and the actual average hourly OC emission rate for each such day.
  - b. An identification of each day during which the daily OC emission rate from the coatings exceeded 40.0 pounds, and the actual OC emission rate for each such day.

The quarterly deviation (excursion) reports shall be submitted to the Director (RAPCA) by January 31, April 30, July 31 and October 31 of each year and shall cover the previous calendar quarter. If no deviation occurred during a calendar quarter, the permittee shall submit a report which states that no deviation occurred during the calendar quarter.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-3782]

2. The permittee shall notify the Director (RAPCA) in writing of any daily record showing that the dry exhaust gas filtration 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 Director (RAPCA) within 45 days after the event occurs.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-3782]

3. The permittee shall submit annual reports that specify the total actual annual OC emission from this emissions unit for the previous calendar year. This reporting requirement may be satisfied by including and identifying the specific emission data from this emissions unit in the annual Fee Emission Report.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-3782]

### V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I of these terms and conditions shall be determined in accordance with the following method(s):

**V. Testing Requirements (continued)**

- 1.a** Emission Limitation-  
8.0 lbs OC/hr, including cleanup

Applicable Compliance Method-

Compliance with the hourly allowable OC emission limitation above shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-3782]

- 1.b** Emission Limitation-  
40.0 lbs OC/day, including cleanup

Applicable Compliance Method-

Compliance with the daily allowable OC emission limitation above shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-3782]

- 1.c** Emission Limitation-  
7.3 tons OC/yr, including cleanup

Applicable Compliance Method-

Compliance with the annual allowable OC emission limitation shall be based upon the record keeping requirements specified in Section A.III.1 of this permit, and shall be the sum of the daily OC emission rates for the calendar year, divided by 2,000 lbs/ton.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-3782]

- 1.d** Emission Limitation:  
The PE from this emissions unit shall not exceed 0.551 lb/hr

Applicable Compliance Method:

To determine the actual worst case emission rate for PE, the following equation shall be used:

$$E = \text{maximum coating solids usage rate (in pounds per hour)} \times (1-TE) \times (1-CE)$$

$$E = \text{PE rate (lbs/hr)}$$

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment

If required, compliance shall be determined through emission testing performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5 and the procedures specified in OAC rule 3745-17-03(B)(10).

[Authority for term: OAC rules OAC rule 3745-17-03(B)(10), 3745-77-07(C)(1) and PTI 08-3782]

- 1.e** Emission Limitation:  
The PE from this emissions unit shall not exceed 2.41 tons/yr

Applicable Compliance Method:

The annual allowable PE limitation was developed by multiplying the hourly allowable PE limitation by the maximum operating schedule of 8760 hours/yr and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI 08-3782]

**V. Testing Requirements (continued)**

- 1.f** Emission Limitation:  
Visible PE from any stack shall not exceed 20% opacity, as a six-minute average, except as specified by rule.

Applicable Compliance Method:

Compliance shall be determined through visible emission observations performed in accordance with OAC rule 3745-17-03(B)(1).

[Authority for term: OAC rules 3745-17-03(B)(1), 3745-77-07(C)(1) and PTI 08-3782]

- 2.** Formulation data or USEPA Method 24 shall be used to determine the OC contents of the coatings and cleanup materials.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-3782]

**VI. Miscellaneous Requirements**

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P043 - reaction injection molding booth #21	none	none

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

## Part III - Terms and Conditions for Emissions Units

**Emissions Unit ID:** RIM #22 (P044)  
**Activity Description:** Reaction Injection Molding Booth

### A. State and Federally Enforceable Section

#### I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P044 - reaction injection molding booth #22	OAC rule 3745-31-05(A)(3) PTI 08-3782	The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-11(B)(1) and 3745-17-07(A).  The organic compound (OC) emissions from this emissions unit shall not exceed 8 lbs/hr, 40 lbs/day and 7.3 tons/yr, including cleanup.
	OAC rule 3745-21-07(G)(2)	The particulate emissions (PE) from this emissions unit shall not exceed 2.41 tons/yr.
	OAC rule 3745-17-11(B)(1) (Based on Table I)	The requirements established pursuant to this rule are equivalent to the requirements of OAC rule 3745-31-05(A)(3).  The PE from this emissions unit shall not exceed 0.551 lb/hour from any stack associated with this emissions unit.
	OAC rule 3745-17-07(A)	Visible PE from any stack shall not exceed 20% opacity, as a six-minute average, except as specified by rule.

#### 2. Additional Terms and Conditions

None

#### II. Operational Restrictions

1. The permittee shall operate a dry exhaust gas filtration system to control the PE whenever this emissions unit is in operation.

[Authority for Term: OAC rule 3745-77-07(A)(1) and PTI 08-3782]

### III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each day for this emissions unit:
  - a. The company identification for each coating, mold release and cleanup material employed.
  - b. The volume of each coating, mold release and cleanup material employed, in gallons.
  - c. The OC content of each coating, mold release and cleanup material employed, in pounds per gallon.
  - d. The total OC emission rate for all the coatings, mold release and cleanup materials employed [summation of (b x c) for all coatings + summation of (b x c) for all cleanup materials], in pounds.
  - e. The total number of hours the emissions unit was in operation.
  - f. The average hourly OC emission rate for all coating, mold release and cleanup material, i.e., (d)/(e), in pounds per hour (average).

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-3782]

2. The permittee shall maintain a log of the time(s) when the exhaust gas filtration system was not functioning, while the emissions unit was in operation.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-3782]

### IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that include the following information:
  - a. An identification of each day during which the average hourly OC emission rate from the coatings exceeded 8.0 pounds, and the actual average hourly OC emission rate for each such day.
  - b. An identification of each day during which the daily OC emission rate from the coatings exceeded 40.0 pounds, and the actual OC emission rate for each such day.

The quarterly deviation (excursion) reports shall be submitted to the Director (RAPCA) by January 31, April 30, July 31 and October 31 of each year and shall cover the previous calendar quarter. If no deviation occurred during a calendar quarter, the permittee shall submit a report which states that no deviation occurred during the calendar quarter.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-3782]

2. The permittee shall notify the Director (RAPCA) in writing of any daily record showing that the dry exhaust gas filtration 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 Director (RAPCA) within 45 days after the event occurs.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-3782]

3. The permittee shall submit annual reports that specify the total actual annual OC emission from this emissions unit for the previous calendar year. This reporting requirement may be satisfied by including and identifying the specific emission data from this emissions unit in the annual Fee Emission Report.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-3782]

### V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I of these terms and conditions shall be determined in accordance with the following method(s):

**V. Testing Requirements (continued)**

- 1.a** Emission Limitation-  
8.0 lbs OC/hr, including cleanup

Applicable Compliance Method-

Compliance with the hourly allowable OC emission limitation above shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-3782]

- 1.b** Emission Limitation-  
40.0 lbs OC/day, including cleanup

Applicable Compliance Method-

Compliance with the daily allowable OC emission limitation above shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-3782]

- 1.c** Emission Limitation-  
7.3 tons OC/yr, including cleanup

Applicable Compliance Method-

Compliance with the annual allowable OC emission limitation shall be based upon the record keeping requirements specified in Section A.III.1 of this permit, and shall be the sum of the daily OC emission rates for the calendar year, divided by 2,000 lbs/ton.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI 08-3782]

- 1.d** Emission Limitation:  
The PE from this emissions unit shall not exceed 0.551 lb/hr

Applicable Compliance Method:

To determine the actual worst case emission rate for PE, the following equation shall be used:

$$E = \text{maximum coating solids usage rate (in pounds per hour)} \times (1-TE) \times (1-CE)$$

$$E = \text{PE rate (lbs/hr)}$$

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment

If required, compliance shall be determined through emission testing performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5 and the procedures specified in OAC rule 3745-17-03(B)(10).

[Authority for term: OAC rules OAC rule 3745-17-03(B)(10), 3745-77-07(C)(1) and PTI 08-3782]

- 1.e** Emission Limitation:  
The PE from this emissions unit shall not exceed 2.41 tons/yr

Applicable Compliance Method:

The annual allowable PE limitation was developed by multiplying the hourly allowable PE limitation by the maximum operating schedule of 8760 hours/yr and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

[Authority for term: OAC rule 3745-77-07(C)(1) and and PTI 08-3782]

**V. Testing Requirements (continued)**

- 1.f** Emission Limitation:  
Visible PE from any stack shall not exceed 20% opacity, as a six-minute average, except as specified by rule.

Applicable Compliance Method:

Compliance shall be determined through visible emission observations performed in accordance with OAC rule 3745-17-03(B)(1).

[Authority for term: OAC rules 3745-17-03(B)(1), 3745-77-07(C)(1) and and PTI 08-3782]

- 2.** Formulation data or USEPA Method 24 shall be used to determine the OC contents of the coatings and cleanup materials.

[Authority for Term: OAC rule 3745-77-07(C)(1) and and PTI 08-3782]

**VI. Miscellaneous Requirements**

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P044 - reaction injection molding booth #22	none	none

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

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