



State of Ohio Environmental Protection Agency

Street Address:

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Lazarus Gov. Center
P.O. Box 1049
Columbus, OH 43216-1049

02/27/07

CERTIFIED MAIL

**RE: Draft Title V Chapter 3745-77
permit**

02-04-01-0265
Zehrco Plastics Inc. (Plant 2)
Tony Giancola
5500 Washington Ave.
Ashtabula, OH 44004-7100

Dear Tony Giancola:

You are hereby notified that the Ohio Environmental Protection Agency has prepared the enclosed draft of the Title V permit for the facility referenced above. The purpose of this draft is to solicit public comments. A public notice concerning the draft will appear in the Ohio EPA Weekly Review and the major newspaper in the county where the facility is located. Comments and/or a request for a public hearing from the public and any affected parties will be accepted by Northeast District Office within 30 days of the date of publication in the newspaper. You will be notified in writing if a public hearing is scheduled. **In order to facilitate our review of all the comments or concerns you may have with the enclosed draft permit, please provide a hand marked-up copy of the draft permit showing the changes you think are necessary, along with any additional summary comments, by the end of the draft public comment period. The hard marked-up copy and any additional summary comments should be submitted to the Ohio EPA District Office or local air agency identified below and to the following address:**

**Andrew Hall
Permit Review/Development Section
Ohio EPA, Division of Air Pollution Control
122 South Front Street
Columbus, Ohio 43215**

A decision on processing the Title V permit will be made after consideration of written public comments and oral testimony (if a public hearing is conducted). After the comment period, you will be provided with a Preliminary Proposed Title V permit and an opportunity to comment prior to the Proposed Title V permit submittal to USEPA.

If you have any questions concerning this draft Title V permit, please contact Northeast District Office.

Sincerely,

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

cc: USEPA (electronically submitted)
File, DAPC PIER
Northeast District Office
Pennsylvania



State of Ohio Environmental Protection Agency

DRAFT TITLE V PERMIT

Issue Date: 02/27/07

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: 02-04-01-0265 to:
Zehrco Plastics Inc. (Plant 2)
1501 West 47 th Street
Ashtabula, OH 44004-0000

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 P001 through P022 and R001, detailing activities like FRP Molding Presses Used For Molding Plastic Parts From SMC & BMC.

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:

Northeast District Office
2110 East Aurora Road
Twinsburg, OH 44087
(330) 425-9171

Ohio Environmental Protection Agency

Chris Korleski
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 following insignificant emissions unit is located at this facility:

Z001 - gas drying oven for painted plastic parts (PTI No. 02-1805).

This insignificant emissions unit must comply with all applicable State and federal regulations, as well as any emission limitations and/or control requirements contained within the identified permit to install for the emissions unit. The insignificant emissions unit listed above that is not subject to specific permit to install requirements is subject to one or more applicable requirements contained in the SIP-approved versions of OAC Chapters 3745-17, 3745-18, and 3745-21.

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

MACT REQUIREMENTS

2. The following emissions units located at this facility are subject to 40 CFR Part 63, Subpart WWWW-- National Emission Standards for Hazardous Air Pollutants (NESHAP) for Reinforced Plastic Composites Production:

P001 - Old SMC Machine;
P002 - SMC Paste Mixing Operations;
P004 - New SMC Machine;
P005 - BMC Mixer No. 2;
P006 - BMC Mixer No.3;
P007 - SMC Paste Mixing;
P009 - Thermoset Compression Mold Press No. 2;
P010 - Thermoset Compression Mold Press No. 5;
P011 - Thermoset Compression Mold Press No. 11;
P012 - Thermoset Compression Mold Press No. 14;
P013 - Thermoset Compression Mold Press No. 23;
P014 - Thermoset Compression Mold Press No. 38;
P015 - Thermoset Compression Mold Press No. 39;
P016 - Thermoset Compression Mold Press No. 40;
P017 - Thermoset Compression Mold Press No. 41;
P018 - Thermoset Compression Mold Press No. 42;
P019 - Thermoset Compression Mold Press No. 43;
P020 - Thermoset Compression Mold Press No. 44;
P021 - Thermoset Compression Mold Press No. 45;
P022 - Thermoset Compression Mold Press No. 47;
P023 - Thermoset Compression Mold Press No. 48;
P024 - Thermoset Compression Mold Press No. 49;
P025 - Thermoset Compression Mold Press No. 50;
P026 - Thermoset Compression Mold Press No. 51;
P027 - Thermoset Compression Mold Press No. 52;
P028 - Thermoset Compression Mold Press No. 53;
P029 - Thermoset Compression Mold Press No. 54;
T001 - 3,333-gallon Polyester Resin Storage Tank; and
T002 - 3,333-gallon Polyester Resin Storage Tank.

[Authority for term: 40 CFR 63.5800 and Table 2 of 40 CFR Part 63, Subpart WWWW]

A. State and Federally Enforceable Section (continued)

3. 40 CFR Part 63, Subpart A - General Provisions Applicability to 40 CFR Part 63, Subpart WWWW

The permittee is subject to the following requirements specified in 40 CFR Part 63, Subpart A as listed in Table 15 of 40 CFR Part 63, Subpart WWWW:

Parts 63.1 (a)(1)-(4), 63.1(a)(6), 63.1 (a)(10)-(14), 63.1(b)(1), 63.1 (b)(3), 63.1 (c)(1) and (2), 63.1 (c)(5), 63.1 (e), 63.2, 63.3, 63.4, 63.5 (a)(1) and (2), 63.5(b)(1), 63.5(b)(3) and (4), 63.5 (b)(6), 63.5 (d)(1) and (2), 63.5 (d)(4), 63.5 (e)(1) - (5), 63.5 (f)(1) and (2), 63.6 (a)(1) and (2), 63.6 (b)(1)-(5), 63.6 (b)(7), 63.6 (c)(1) and (2), 63.6 (c)(5), 63.6 (e)(1) - (3), 63.6 (f)(2) and (3), 63.6 (g)(1) - (3), 63.6 (i)(1)-(14), 63.6 (i)(16), 63.6 (j), 63.7 (a)(1), 63.7 (a)(3), 63.7 (b)(1) and (2), 63.7 (c), 63.7 (d), 63.7(e), 63.7 (f), 63.7 (g), 63.7 (h), 63.8 (a)(1) and (2), 63.8 (a)(4), 63.8 (b)(1) - (3), 63.8 (c)(1) - (4), 63.8 (c)(6) - (8), 63.8 (d), 63.8 (e)(1) - (4), 63.8 (e)(5)(i), 63.8 (f)(1) - (6), 63.8 (g)(1) - (5), 63.9 (a)(1)-(4), 63.9 (b)(1) and (2), 63.9 (b)(4)(i), 63.9 (b)(4)(v), 63.9 (b)(5), 63.9(c), 63.9 (d), 63.9 (e), 63.9 (g)(1), 63.9 (g)(3), 63.9 (h)(1) - (3), 63.9 (h)(5) and (6), 63.9 (i), 63.9(j), 63.10 (a), 63.10 (b)(1), 63.10 (b)(2)(i) - (xiv), 63.10 (b)(3), 63.10 (c)(1), 63.10 (c)(5) - (8), 63.10 (c)(10) - (15), 63.10 (d)(1) and (2), 63.10 (d)(4) and (5), 63.10 (e)(1) - (3), 63.10 (f), 63.11, 63.12, 63.13, 63.14, and 63.15.

The following emissions units are subject to the aforementioned requirements: P001, P002, P004, P005, P006, P007, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P023, P024, P025, P026, P027, P028, P029, T001 and T002.

4. The permittee shall comply with the work practice standard to not use cleaning solvents that contain HAP, except that styrene may be used as a cleaner in closed systems, and organic HAP containing cleaners may be used to clean cured resin from application equipment. Application equipment includes any equipment that directly contacts resin.

[Authority for term: 40 CFR 63.5835 and Table 4 of 40 CFR Part 63, Subpart WWWW]

5. The permittee shall comply with the work practice standard to keep containers that store HAP-containing materials closed or covered except during the addition or removal of materials. Bulk HAP-containing materials storage tanks may be vented as necessary for safety.

[Authority for term: 40 CFR 63.5835 and Table 4 of 40 CFR Part 63, Subpart WWWW]

MONITORING AND RECORD KEEPING

6. The permittee must maintain a copy of the following records.

a. The permittee must maintain a copy of each notification and report submitted to comply with Subpart WWWW of 40 CFR Part 63, including all documentation supporting any Initial Notification or Notification of Compliance Status that was submitted.

b. The permittee must maintain a certified statement of compliance with the work practice requirements in Table 4 to Subpart WWWW of 40 CFR Part 63.

[Authority for term: 40 CFR 63.5915]

7. All applicable records must be maintained in such a manner that they can be readily accessed and are suitable for inspection according to 40 CFR 63.10(b)(1). The permittee must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. The permittee must keep each record onsite for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record. The records may be kept offsite for the remaining 3 years. Records may be kept in hard copy or computer readable form including, but not limited to, paper, microfilm, computer floppy disk, magnetic tape, or microfiche.

[Authority for term: 40 CFR 63.5920]

A. State and Federally Enforceable Section (continued)

8. a. The permittee shall maintain records which identify each HAP in each cleaning solvent employed. If any cleaning solvent contains styrene, the specific application shall also be documented.
- b. The permittee shall maintain records which document any time containers that store HAP containing materials were not kept closed or covered except during the addition or removal of materials. The records shall indicate how long the containers were not properly closed or covered and any actions taken to prevent a reoccurrence.

[Authority for term: 40 CFR 63.63.5835, 40 CFR 63.5935 and Table 4 of 40 CFR Part 63, Subpart WWWW]

REPORTS AND NOTIFICATIONS

9. The permittee submitted an Initial Notification containing the information specified in 40 CFR 63.9 (b)(4) and (5) on August 11, 2003. If there is a change in any information submitted in the Initial Notification, the permittee must submit the changes in writing to the Administrator within 15 calendar days after the change.

[Authority for term: 40 CFR 63.5905(b)]

10. The permittee must submit semiannual compliance reports.
 - a. The first compliance report must cover the period beginning on April 21, 2006, and ending on December 31, 2006. The first compliance report must be postmarked or delivered no later than January 31, 2007.
 - b. Each subsequent compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. Each semiannual compliance report shall be postmarked or delivered no later than January 31 and July 31, whichever date is the first date following the end of the semiannual reporting period.

[Authority for term: 40 CFR 63.5910]

11. Each semiannual compliance report must contain the following information.
 - a. The company name and address.
 - b. A statement by a responsible official with that official's name, title and signature, certifying the truth, accuracy and completeness of the content of the report.
 - c. The date of the report and the beginning and ending dates of the reporting period.
 - d. If there are no deviations from any organic HAP emission limit and from any work practice standards in this subpart, a statement that there were no deviations from the organic HAP emissions limitations or work practice standards during the reporting period.
 - e. For each deviation from any organic HAP emission limit and for each deviation from the requirements for work practice standards, the compliance report must contain the total operating time of each emissions unit during the reporting period and information on the number, duration, and cause of deviations (including unknown cause, if applicable), and the corrective action taken; and

[Authority for term: 40 CFR 63.5910]

A. State and Federally Enforceable Section (continued)

- 12.** Each affected source that has obtained a Title V operating permit pursuant to 40 CFR Part 70 or 71 must report all deviations as defined in 40 CFR Part 63, Subpart WWWW in the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A). If an affected source submits a compliance report pursuant to Table 14 of 40 CFR Part 63, Subpart WWWW or pursuant to 40 CFR Subpart PPPP along with, or as part of, the semiannual monitoring report required by 40 CFR Part 70.6(a)(3)(iii)(A) or 40 CFR Part 71.6(a)(3)(iii)(A), and the compliance report includes all required information concerning deviations from any organic HAP emissions limitation (including any operating limit) or work practice requirement in 40 CFR Part 63, Subpart WWWW, submission of the compliance report shall be deemed to satisfy any obligation to report the same deviations in the semiannual monitoring report. However, submission of a compliance report shall not otherwise affect any obligation the affected source may have to report deviations from permit requirements to the permitting authority.

[Authority for term: 40 CFR Part 63.5910(g)]

- 13.** If there is a change in any information submitted in any notification, the change must be submitted in writing to the Administrator within 15 calendar days after the change.

[Authority for term: 40 CFR 63.5905 (b)]

COMPLIANCE AND TESTING

- 14.** Initial Compliance Demonstration

a. For the work practice standard that the permittee not use cleaning solvents that contain HAP, the permittee has demonstrated initial compliance if a certified statement is included in the notice of compliance status that all cleaning materials, except styrene contained in closed systems, or materials used to clean cured resin from application equipment contain no HAP.

b. For the work practice standard the permittee keep containers that store HAP-containing materials closed or covered, the permittee has demonstrated initial compliance if a certified statement is included in the notice of compliance status that all HAP-containing storage containers are kept closed or covered except when adding or removing materials, and that any bulk storage tanks are vented only as necessary for safety.

[Authority for term: 40 CFR 63.5860(a) and Table 9 of 40 CFR Part 63, Subpart WWWW]

- 15.** Beginning on April 19, 2007, the following emissions unit located at this facility is subject to 40 CFR Part 63, Subpart PPPP-- National Emission Standards for Hazardous Air Pollutants (NESHAP) for Surface Coating of Plastic Parts and Products:

R001 - spray painting fiberglass reinforced plastic parts.

[Authority for term: 40 CFR 63.4482 and OAC rule 3745-31-05(A)(3)]

A. State and Federally Enforceable Section (continued)

16. 40 CFR Part 63, Subpart A - General Provisions Applicability to 40 CFR Part 63, Subpart PPPP

Beginning on April 19, 2007, the permittee is subject to the following requirements specified in 40 CFR Part 63, Subpart A as listed in Table 2 of 40 CFR Part 63, Subpart PPPP:

Parts 63.1 (a)(1) - (14), 63.1(b)(1) - (3), 63.1 (c)(1), 63.1 (c)(4) - (5), 63.1 (e), 63.2, 63.3 (a) - (c), 63.4 (a)(1) - (5), 63.4 (b) - (c), 63.5 (a), 63.5(b)(1) - (6), 63.5 (d), 63.5 (e), 63.5 (f), 63.6 (a), 63.6 (b)(1) - (7), 63.6 (c)(1) - (5), 63.6 (e)(1) - (2), 63.6(e)(3), 63.6 (f)(1), 63.6 (f)(2) - (3), 63.6 (g)(1) - (3), 63.6 (i)(1) - (16), 63.6 (j), 63.7 (a)(1), 63.7(a)(2), 63.7 (a)(3), 63.7 (b) - (e), 63.7 (f), 63.7 (g) - (h), 63.8 (a)(1) - (3), 63.8 (b), 63.8 (c)(1) - (3), 63.8 (c)(7), 63.8 (f)(1) - (5), 63.9 (a) - (d), 63.9 (e), 63.9 (h), 63.9 (i), 63.9 (j), 63.10 (a), 63.10 (b)(1), 63.10 (b)(2)(i) - (v), 63.10 (b)(2)(vi) - (xi), 63.10 (b)(2)(xii), 63.10 (b)(2)(xiv), 63.10 (b)(3), 63.10 (c)(1) - (6), 63.10 (c)(9) - (15), 63.10 (d)(1), 63.10 (d)(2), 63.10 (d)(4), 63.10 (d)(5), 63.10 (e)(4), 63.10 (f), 63.12, 63.13, 63.14, and 63.15.

The following emissions unit is subject to the aforementioned requirements: R001.

MONITORING AND RECORD KEEPING

17. Beginning April 19, 2007, the permittee shall maintain a current copy of information provided by materials suppliers or manufacturers, such as manufactures's formulation data, or test data used to determine the mass fraction of organic HAP and density for each coating, thinner and/or other additive, and cleaning material, and the mass fraction of coating solids for each coating. If testing was conducted to determine mass fraction of organic HAP, density or mass fraction or coatings solids, a copy of the complete test report shall be maintained. If information provided by the manufacturer or supplier of the material that was based on testing was used, a the summary sheet of results provided by the manufacturer or supplier must be maintained. The test report or other supporting documentation from the manufacturer or supplier is not required to be obtained.

[Authority for term: 40 CFR 63.4530(b)]

18. Beginning April 19, 2007, the permittee shall maintain a copy of the following information.

a. A record of the name and mass of each coating, thinner and/or additive, and cleaning material used during each compliance period.

b. If an allowance was claimed for recycling and/or reuse the following information must be kept:

i. the name and address of each TSDF to which waste materials were sent;

ii. the date of each shipment;

iii. identification of each emissions unit producing waste materials included in each shipment and the month or months in which the allowance for these materials was used in Equation 1 of Attachment A; and

iv. the methodology used to determine the total amount of waste materials sent to or the amount collected, stored and designated for transport to a TSDF each month and the methodology used to determine the mass of organic HAP contained in these waste materials. This must include the sources for all data used in the determination, methods used to generate the data frequency of testing or monitoring and supporting calculations and documentation, including the waste manifest for each shipment

c. A record of the date, time and duration of each deviation must be maintained.

d. The permittee must maintain a copy of each notification and report submitted to comply with subpart PPPP, including all documentation supporting any Initial Notification or Notification of Compliance Status that was submitted.

[Authority for term: 40 CFR 63.4530]

A. State and Federally Enforceable Section (continued)

19. a. Records must be maintained in a form suitable and readily available for expeditious review, according to 40 CFR 63.10(b)(1). Where appropriate, the records may be maintained as electronic spreadsheets or as a database.
- b. As specified in 40CFR 63.10(b)(1), each record must be kept for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report or record.
- c. Each record must be kept on-site for at least 2 years after the date of occurrence, measurement, maintenance, corrective action, report or record according to 40 CFR 63.10(b)(1). Records may be kept off-site for the remaining 3 years.

[Authority for term: 40 CFR 63.4531]

REPORTS AND NOTIFICATIONS

20. The permittee submitted an Initial Notification containing the information specified in 40 CFR 63.9 (b)(4) and (5) on August 22, 2005. If there is a change in any information submitted in the Initial Notification, the permittee must submit the changes in writing to the Administrator within 15 calendar days after the change.

[Authority for term: 40 CFR 63.9(b) and 40 CFR 63.4510]

21. The permittee shall submit an initial notification of compliance status for Subpart PPPP. The report shall cover the period beginning on April 30, 2007, and ending on April 30, 2008. This report must be postmarked or delivered no later than May 30, 2008, and shall contain the following information:
- a. company name and address;
 - b. statement by a responsible official certifying the truth, accuracy, and completeness of the content of the report (official's name, title, and signature);
 - c. the date of the report and beginning and ending dates of the initial compliance reporting period;
 - d. identification of compliance option(s) for each emissions unit (i.e., emission rate without add-on controls option) during the initial compliance period;
 - e. statement of whether the affected source achieved the emission limitations for the initial compliance period; and
 - f. if there was a deviation during the initial compliance period, a description of the deviation and statement of the cause and all calculations used to determine the lb organic HAP emitted per lb coating solids used.
 - g. For each of the items listed in 21.g.i - iv below, include an example of how the value was determined, including calculations and supporting data. Supporting data may include a copy of the information provided by the supplier or manufacturer of the example coating or material, or a summary of the results of testing conducted according to 63.4541(a)(b) or (c). Copies of test results do not need to be submitted.
 - i. mass fraction of organic HAP for one coating, one thinner or additive, and one cleanup/purge material;
 - ii. the mass fraction of coating solids for one coating;
 - iii. density for one coating, one thinner or additive, and one cleanup/purge material;
 - iv. the amount of waste materials and mass of organic HAP contained in the waste materials for which a recovery credit is applied;

A. State and Federally Enforceable Section (continued)

h. the calculation of lb organic HAP emitted per lb coating solids used. Provide the calculation of the total mass of organic HAP emissions for each month, the calculation of the total mass of coatings solids used each month; and the calculation of the 12-month organic HAP emission rate using equations 1 and 1A in Attachment A.

[Authority for term: 40 CFR 63.4510]

- 22.** The permittee must submit a compliance report semiannually. The first compliance report for Subpart PPPP must cover the period beginning on January 1, 2008, and ending on June 30, 2008. Each subsequent semiannual compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31.

The first semiannual compliance report must be postmarked or delivered no later than July 31, 2008. Each subsequent semiannual compliance report shall be postmarked or delivered no later than January 31 and July 13 thereafter.

[Authority for term: 40 CFR 63.4520 and OAC rule 3745-31-05(A)(3)]

- 23.** Each semiannual compliance report must contain the following information:

- a. the company name and address;
- b. a statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report;
- c. the date of the report and the beginning and ending dates of the reporting period;
- d. identification that the compliance option used during the reporting period was the emission rate without add-on control equipment option;
- e. the calculation results for each rolling, 12-month organic HAP emission rate during the 6-month reporting period;
- f. if there were no deviations from the emission limitations, the report must include a statement that there were no deviations from the emission limitation during the reporting period; and
- g. if there were deviation(s) from the emission limitation, the report must include the beginning and ending dates of each compliance period during which the 12-month organic HAP emission rate exceeded the applicable limitation and the calculations used to determine each such 12-month organic HAP emission rate. The calculations for Equations 1, 1A, 1B, 1C, 2 and 3 from Attachment A must be submitted, and if applicable, the calculation used to determine mass of organic HAP in waste materials.

[Authority for term: 40 CFR 63.4520]

- 24.** Each affected source that has obtained a Title V operating permit pursuant to 40 CFR Part 70 or 71 must report all deviations as defined in 40 CFR 63, Subpart PPPP in the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A). If an affected source submits a compliance report pursuant to 40 CFR Subpart PPPP along with, or as part of, the semiannual monitoring report required by 40 CFR Part 70.6(a)(3)(iii)(A) or 40 CFR Part 71.6(a)(3)(iii)(A), and the compliance report includes all required information concerning deviations from any organic HAP emissions limitation (including any operating limit), submission of the compliance report shall be deemed to satisfy any obligation to report the same deviations in the semiannual monitoring report. However, submission of a compliance report shall not otherwise affect any obligation the affected source may have to report deviations from permit requirements to the permitting authority.

[Authority for term: 40 CFR 63.4520(a)(2)]

A. State and Federally Enforceable Section (continued)

25. If there is a change in any information submitted in any notification, the change must be submitted in writing to the Administrator within 15 calendar days after the change.

[Authority for term: 40 CFR 63.5905 (b)]

COMPLIANCE AND TESTING

26. The initial compliance demonstration for 40 CFR Part 63, Subpart PPPP must be completed for the initial compliance period according to the requirements of 40 CFR 63.4551. The initial compliance period begins on April 30, 2007, and ends April 30, 2008. Determine the mass of organic HAP emissions and mass of coating solids used each month and then calculate an organic HAP emission rate at the end of the initial compliance period. The initial compliance demonstration includes the calculations according to 40 CFR 63.4551 and supporting documentation showing that during the initial compliance period the organic HAP emission rate was equal to or less than the applicable emission limit of 0.16 lb organic HAP per lb coating solids.

[Authority for term: 40 CFR 63.4550]

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:

T001 - tank No. 1, a 3333-gallon capacity above ground storage tank for polyester resin; and
T002 - tank No. 2, a 3333-gallon capacity above ground storage tank for polyester resin.

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Old SMC (Sheet Molding Compound) Machine (P001)
Activity Description: Manufacturing Molding FRP Compound

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>
Emissions unit P001 is the old sheet mold compound (SMC) machine. SMC paste and chopped fiber glass roving are cast onto a continuous nylon carrier film and are then covered by a nylon film for later use in the FRP molding presses.	OAC rule 3745-31-05(A)(3) (PTI 02-2866, effective October 16, 1986)	The Best Available Technology determination was compliance with the requirements of OAC rule 3745-21-07(G)(2).
	OAC rule 3745-21-07(G)(2)	Emissions of organic compounds (OC) shall not exceed 8 pounds per hour and 40 pounds per day.
	40 CFR Part 63, Subpart WWWW	See sections A.I.2.a and A.I.2.b below. See Part II, sections A.2 through A.14.

2. Additional Terms and Conditions

- 2.a The permittee shall close or cover the resin delivery system to the doctor box. The doctor box itself may be open.
 [Authority for term: 40 CFR 63.5835 and Table 4 of 40 CFR Part 63, Subpart WWWW]
- 2.b The permittee shall use a nylon containing film to enclose SMC.
 [Authority for term: 40 CFR 63.5835 and Table 4 of 40 CFR Part 63, Subpart WWWW]

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each day:
 - a. the company identification of each SMC employed;
 - b. the weight, in pounds, of each SMC employed;
 - c. the OC content, in percent by weight, of each SMC employed;
 - d. the OC emissions for each SMC employed, calculated as (b) x (c) x the emission factor of 0.347% of the OC, derived from emission testing conducted on emissions unit P004 on 09/18/2006;
 - e. the total daily OC emissions, in pounds, calculated by summing the emissions from (d) for each SMC employed;
 - f. the hours SMC was employed; and
 - g. the OC emissions, in average pounds per hour, calculated as (e)/(f).

Should this emissions unit be tested in the future, the emission factor determined from the emissions testing of this SMC machine shall be used to calculate the emissions.

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

2. The permittee shall conduct daily inspections of this emissions unit and maintain a log of these inspections. The log shall indicate the compliance status of each work practice standard identified in sections A.I.2.a and A.I.2.b and shall contain the following information:
 - a. whether the emissions unit was in operation;
 - b. whether the resin delivery system to the doctor box was closed or covered; and
 - c. whether a nylon containing film was employed to enclose the SMC.

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

3. The records specified in section A.III.2 shall also include information on the duration and cause of each deviation and the corrective action taken. These records shall be maintained as specified in Part II, section A.6.

[Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR 63.5835 and Table 4 of 40 CFR Part 63, Subpart WWWW]

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that include an identification of each day during which the average OC emissions exceeded 8 pounds per hour, and the actual OC emissions for each such hour.

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

2. The permittee shall submit quarterly deviation (excursion) reports that include an identification of each day during which the OC emissions exceeded 40 pounds, and the actual OC emissions for each such day.

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

3. The deviation reports required pursuant to the record keeping specified in sections A.III.2 and A.III.3 shall be submitted in accordance with the requirements specified in Part II.

[Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR 63.5910(g)]

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:

Emissions of OC shall not exceed 8 pounds per hour.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the record keeping requirements specified in section A.III.1.g.

1.b Emission Limitation:

Emissions of OC shall not exceed 40 pounds per day.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the record keeping requirements specified in section A.III.1.e.

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

2. The permittee must demonstrate initial compliance with the work practice standard to close or cover the resin delivery system to the doctor box. Initial compliance has been demonstrated if the permittee submits a certified statement in the notice of compliance status that resin delivery system is closed or covered.

[Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR 63.5860(a) and Table 9 of 40 CFR Part 63, Subpart WWWW]

3. The permittee must demonstrate initial compliance with the work practice standard to use a nylon containing film to enclose the SMC. Initial compliance has been demonstrated if the permittee submits a certified statement in the notice of compliance status that that a nylon-containing film is used to enclose the SMC.

[Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR 63.5860(a) and Table 9 of 40 CFR Part 63, Subpart WWWW]

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: SMC Paste Mixing Operations (P002)
Activity Description: Manufacture of SMC paste for use at SMC machines

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>
Emissions unit P002 is a sheet molding compound (SMC) paste and bulk molding compound (BMC) mixing operation, including 2 Hockmeyer and 1 Cowles mixers for portable batch tanks.	OAC rule 3745-31-05(A)(3) (PTI 02-2866, effective October 16, 1986)	The Best Available Technology determination was compliance with the requirements of OAC rule 3745-21-07(G)(2).
	OAC rule 3745-21-07(G)(2)	This emissions unit is exempt from the requirements of OAC rule 3745-21-07(G)(2). See section A.I.2.d below.
	40 CFR Part 63, Subpart WWWW	See sections A.I.2.a, A.I.2.b and A.I.2.c below.

2. Additional Terms and Conditions

- 2.a The permittee shall employ mixer covers with no visible gaps present in the mixer covers, except that gaps of up to 1 inch are permissible around mixer shafts and any required instrumentation.
 [Authority for term: 40 CFR 63.5835 and Table 4 of 40 CFR Part 63, Subpart WWWW]
- 2.b The permittee shall keep the mixer covers closed while mixing except when adding materials or changing covers to the mixing vessels.
 [Authority for term: 40 CFR 63.5835 and Table 4 of 40 CFR Part 63, Subpart WWWW]
- 2.c The permittee shall close any mixer vents when mixing, except that venting is allowed during addition of materials, or as necessary prior to adding materials or opening the cover for safety.
 [Authority for term: 40 CFR 63.5835 and Table 4 of 40 CFR Part 63, Subpart WWWW]
- 2.d This emissions unit shall be employed only for the mixing of raw materials, where no chemical reactions occur between any of the raw materials.

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall conduct daily inspections of this emissions unit and maintain a log of these inspections. The log shall include the compliance status of the work practice standards identified in sections A.I.2.a, A.I.2.b and A.2.c and shall contain the following information:
 - a. whether the emissions unit was in operation;
 - b. whether the mixer cover was employed each time a mixer was in operation, except when adding materials or changing covers to the mixing vessels;
 - c. whether there was a visible gap present in the mixer cover, except that gaps of up to 1 inch are permissible around mixer shafts and any required instrumentation when the mixer cover was properly employed; and
 - d. whether the mixer vent was closed each time a mixer was in operation, except that venting is allowed during addition of materials, or as necessary prior to adding materials or opening the cover for safety.

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

2. The records specified in section A.III.1 shall also include information on the duration and cause of each deviation and the corrective action taken. These records shall be maintained as specified in Part II, section A.6.

[Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR 63.5835 and Table 4 of 40 CFR Part 63, Subpart WWWW]

IV. Reporting Requirements

1. The deviation reports required pursuant to the record keeping requirements specified in sections A.III.1 and A.III.2 shall be submitted in accordance with the requirements specified in Part II.

[Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR 63.5910 (g)]

V. Testing Requirements

1. The permittee must demonstrate initial compliance with the work practice standard to use mixer covers. Initial compliance has been demonstrated if the permittee submits a certified statement in the notice of compliance status that mixer covers are closed during mixing except when adding materials to the mixers, and that gaps around mixer shafts and required instrumentation do not exceed 1 inch.

[Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR 63.5860(a) and Table 9 of 40 CFR Part 63, Subpart WWWW]

2. The permittee must demonstrate initial compliance with the requirement to not actively vent mixers to the atmosphere while the mixing agitator is turning. Initial compliance has been demonstrated if the permittee submits a certified statement in the notice of compliance status that mixers are not actively vented to the atmosphere when the agitator is turning, except when adding materials or as necessary for safety.

[Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR 63.5835 and Table 4 of 40 CFR Part 63, Subpart WWWW]

3. The permittee must demonstrate initial compliance with the requirement to keep the mixer covers closed during mixing except when adding materials to the mixing vessels. Initial compliance has been demonstrated if the permittee submits a certified statement in the notice of compliance status that the mixer covers are kept closed except when adding materials to the mixing vessels.

[Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR 63.5835 and Table 4 of 40 CFR Part 63, Subpart WWWW]

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: New SMC (Sheet Molding Compound) Machine (P004)
Activity Description: Manufacturing Molding FRP Compound

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>
Emissions unit P004 is the new sheet molding compound (SMC) machine. SMC paste and chopped fiber glass roving are cast onto a continuous nylon carrier film and are then covered by a nylon film for later use in the FRP molding presses.	OAC rule 3745-31-05(A)(3) (PTI 02-2866, effective October 16, 1986)	The Best Available Technology determination was compliance with the requirements of OAC rule 3745-21-07(G)(2).
	OAC rule 3745-21-07(G)(2)	Emissions of organic compounds (OC) shall not exceed 8 pounds per hour and 40 pounds per day.
	40 CFR Part 63, Subpart WWWW	See sections A.I.2.a and A.I.2.b below. See Part II, sections A.2 through A.14.

2. Additional Terms and Conditions

- 2.a The permittee shall close or cover the resin delivery system to the doctor box. The doctor box itself may be open.
 [Authority for term: 40 CFR 63.5835 and Table 4 of 40 CFR Part 63, Subpart WWWW]
- 2.b The permittee shall use a nylon containing film to enclose SMC.
 [Authority for term: 40 CFR 63.5835 and Table 4 of 40 CFR Part 63, Subpart WWWW]

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each day:
 - a. the company identification of each SMC employed;
 - b. the weight, in pounds, of each SMC employed;
 - c. the OC content, in percent by weight, of each SMC employed;
 - d. the OC emissions for each SMC employed, calculated as (b) x (c) x the emission factor of 0.347% of the OC, derived from emission testing conducted on this emissions unit on 09/18/2006;
 - e. the total daily OC emissions, in pounds, calculated by summing the emissions from (d) for each SMC employed;
 - f. the hours SMC was employed; and
 - g. the OC emissions, in average pounds per hour, calculated as (e)/(f).

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

2. The permittee shall conduct daily inspections of this emissions unit and maintain a log of these inspections. The log shall indicate the compliance status of each work practice standard identified in sections A.I.2.a and A.I.2.b and shall contain the following information:
 - a. whether the emissions unit was in operation;
 - b. whether the resin delivery system to the doctor box was closed or covered; and
 - c. whether a nylon containing film was employed to enclose the SMC.

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

3. The records specified in section A.III.2 shall also include information on the duration and cause of each deviation and the corrective action taken. These records shall be maintained as specified in Part II, section A.6.

[Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR 63.5835 and Table 4 of 40 CFR Part 63, Subpart WWWW]

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that include an identification of each day during which the average OC emissions exceeded 8 pounds per hour, and the actual OC emissions for each such hour.

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

2. The permittee shall submit quarterly deviation (excursion) reports that include an identification of each day during which the OC emissions exceeded 40 pounds, and the actual OC emissions for each such day.

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

3. The deviation reports pursuant to the record keeping specified in sections A.III.2 and A.III.3 shall be submitted in accordance with the requirements specified in Part II.

[Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR 63.5910(g)]

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:

Emissions of OC shall not exceed 8 pounds per hour.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the record keeping requirements specified in section A.III.1.g.

1.b Emission Limitation:

Emissions of OC shall not exceed 40 pounds per day.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the record keeping requirements specified in section A.III.1.e.

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

2. The permittee must demonstrate initial compliance with the work practice standard to close or cover the resin delivery system to the doctor box. Initial compliance has been demonstrated if the permittee submits a certified statement in the notice of compliance status that resin delivery system is closed or covered.

[Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR 63.5860(a) and Table 9 of 40 CFR Part 63, Subpart WWWW]

3. The permittee must demonstrate initial compliance with the work practice standard to use a nylon containing film to enclose the SMC. Initial compliance has been demonstrated if the permittee submits a certified statement in the notice of compliance status that that a nylon-containing film is used to enclose the SMC.

[Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR 63.5860(a) and Table 9 of 40 CFR Part 63, Subpart WWWW]

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: BMC Mixer No.2 (P005)

Activity Description: BMC Mixing

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>
Emissions unit P005 is a bulk molding compound (BMC) mixer.	OAC rule 3745-31-05(A)(3) (PTI 02-9122 effective 06/02/2005)	Organic compound (OC) emissions shall not exceed 8 pounds per hour, 32 pounds per day and 5.84 tons per year, including cleanup.
	OAC rule 3745-21-07(G)(2)	This emissions unit is exempt from the requirements of OAC rule 3745-21-07(G)(2). See section A.I.2.d below.
	40 CFR Part 63, Subpart WWWW	See sections A.I.2.a, A.I.2.b and A.I.2.c below.

2. Additional Terms and Conditions

- 2.a This emissions unit shall employ mixer covers with no visible gaps present in the mixer covers, except that gaps of up to 1 inch are permissible around mixer shafts and any required instrumentation.

[Authority for term: 40 CFR 63.5835 and Table 4 of 40 CFR Part 63, Subpart WWWW]
- 2.b The permittee shall keep the mixer covers closed while mixing except when adding materials or changing covers to the mixing vessels.

[Authority for term: 40 CFR 63.5835 and Table 4 of 40 CFR Part 63, Subpart WWWW]
- 2.c The permittee shall close any mixer vent when mixing, except that venting is allowed during addition of materials, or as necessary prior to adding materials or opening the cover for safety.

[Authority for term: 40 CFR 63.5835 and Table 4 of 40 CFR Part 63, Subpart WWWW]
- 2.d This emissions unit shall be employed only for the mixing of raw materials, where no chemical reactions occur between any of the raw materials.

II. Operational Restrictions

None

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 # 02-9122, issued on June 2, 1995: A.III.2. 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.
2. The permittee shall collect and record the following information each day for the BMC mixing operation:
 - a. the company identification of each mold compound and each cleanup material employed;
 - b. the weight of each mold compound employed, in pounds per day;
 - c. the OC content of each mold compound, in percent by weight;
 - d. the volume of each cleanup material employed, in gallons;
 - e. the OC content of each cleanup material, in pounds per gallon;
 - f. the volume of each waste cleanup material collected for reuse or disposal in gallons;
 - g. the volume of each evaporated cleanup material, which is calculated by subtracting the volume of waste cleanup material employed from the volume of cleanup material reused or disposed of, in gallons;
 - h. the number of hours the emissions unit was operated;
 - i. the OC emissions from cleanup in pounds per day, calculated as A.III.2.g x A.III.2.e;
 - j. the OC emissions from each mold compound in pounds per day, calculated as specified below;

$$E = WT \times OC \times EF$$

where:

E = OC emissions, in pounds per day;

WT = total weight of each material employed in the mixer as recorded in section A.III.2.b;

OC = OC content of each material mixed, in percent by weight; and

EF = emission factor of 0.25%. (The emission factor of 0.25% of available HAP is taken from Table 5-2 "Average HAP Emission Equations by Process" in US EPA's document "Hazardous Air Pollutant Emissions from the Production of Reinforced Plastic Composites Background Information Document for Proposed Standards".)

Formulation data or USEPA Method 24 shall be used to determine the OC contents of the BMC materials.

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

- k. the total OC emissions from all mold compounds in pounds per day, calculated by summing the emissions determined in section A.III.2.j for each mold compound used;
- l. the total OC emissions from the use of mold compound and cleanup in pounds per day, calculated by summing the emissions calculated in sections A.III.2.i and A.III.2.k;
- m. the average hourly OC emissions, calculated by dividing the emissions determined in section A.III.2.l by the hours of operation as recorded in section A.III.2.h; and
- n. the tons OC per year emitted from the mixing operation, calculated by summing the daily emissions in section A.III.2.l for the year and multiplying by 1 ton / 2000 pounds.

The calculations required in sections A.III.2.a through A.III.2.n shall be completed no later than 10 calendar days following the end of each month, except the cleanup emissions shall be calculated no later than 10 calendar days following receipt of the recycle/recovery information.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-9122]

- 3. The permittee shall conduct a daily inspection of this emissions unit and maintain a log of these inspections. The log shall include the compliance status of each work practice standard identified in sections A.I.2.a, A.I.2.b and A.I.2.c and shall contain the following information:

- a. whether the emissions unit was in operation;
- b. whether the mixer cover was employed, except when adding materials or changing covers to the mixing vessels;
- c. whether there was a visible gap present in the mixer cover, except that gaps of up to 1 inch are permissible around mixer shafts and any required instrumentation; and
- d. whether the mixer vent was open, except that venting is allowed during addition of materials, or as necessary prior to adding materials or opening the cover for safety.

[Authority for term: 40 CFR 63.5835 and Table 4 of 40 CFR Part 63, Subpart WWWW]

- 4. The records specified in section A.III.3 shall also include information on the duration and cause of each deviation and the corrective action taken. These records shall be maintained as specified in Part II, section A.6.

[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 # 02-9122, issued on June 2, 1995: A.IV.2. 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 emissions exceeded 8 pounds per hour, and the actual hourly OC emissions for each such day; and
 - b. an identification of each day during which the OC emissions exceeded 32 pounds per day, and the actual OC emissions for each such day.

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

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

3. The record keeping requirements specified in sections A.III.3 and A.III.4 shall be submitted in accordance with the requirements specified in Part II.

[Authority for term: 40 CFR 63.5910(g)]

V. Testing Requirements

1. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install # 02-9122, issued on June 2, 1995:
A.V.2. The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.
 2. Compliance with the emission limitations in section A.I.1 of these terms and conditions shall be determined in accordance with the following methods:
 - 2.a Emission Limitation:

OC emissions shall not exceed 8 pounds per hour, including cleanup.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the record keeping requirements specified in section A.III.2.m.
 - 2.b Emission Limitation:

OC emissions shall not exceed 32 pounds per day, including cleanup.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the record keeping requirements specified in section A.III.2.l.
 - 2.c Emission Limitation:

OC emissions shall not exceed 5.84 tons per year, including cleanup.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the record keeping requirements specified in section A.III.2.n.
- [Authority for term: OAC rule 3745-77-07(C)(1)]

V. Testing Requirements (continued)

3. The permittee must demonstrate initial compliance with the work practice standard to use mixer covers. Initial compliance has been demonstrated if the permittee submits a certified statement in the notice of compliance status that mixer covers are closed during mixing except when adding materials to the mixers, and that gaps around mixer shafts and required instrumentation do not exceed 1 inch.

[Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR 63.5860(a) and Table 9 of 40 CFR Part 63, Subpart WWWW]

4. The permittee must demonstrate initial compliance with the requirement to not actively vent mixers to the atmosphere while the mixing agitator is turning. Initial compliance has been demonstrated if the permittee submits a certified statement in the notice of compliance status that mixers are not actively vented to the atmosphere when the agitator is turning, except when adding materials or as necessary for safety.

[Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR 63.5835 and Table 4 of 40 CFR Part 63, Subpart WWWW]

5. The permittee must demonstrate initial compliance with the requirement to keep the mixer covers closed during mixing except when adding materials to the mixing vessels. Initial compliance has been demonstrated if the permittee submits a certified statement in the notice of compliance status that the mixer covers are kept closed except when adding materials to the mixing vessels.

[Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR 63.5835 and Table 4 of 40 CFR Part 63, Subpart WWWW]

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: BMC Mixer No. 3 (P006)

Activity Description: BMC mixing

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>
Emissions unit P006 is a bulk molding compound (BMC) mixer.	OAC rule 3745-31-05(A)(3) (PTI 02-0566, effective November 6, 1996)	Organic compound (OC) emissions shall not exceed 2.62 pounds per hour, 40 pounds per day and 7.3 tons per year from the mixing operation. OC emissions shall not exceed 2.4 pounds per hour, 19.2 pounds per day and 3.51 tons per year from cleanup. See section A.II.1 below.
	OAC rule 3745-21-07(G)(2)	This emissions unit is exempt from the requirements of OAC rule 3745-21-07(G)(2). See section A.I.2.d below.
	40 CFR Part 63, Subpart WWWW	See section A.I.2.a, A.I.2.b, A.I.2.c and Part II.

2. Additional Terms and Conditions

- 2.a This emissions unit shall employ mixer covers with no visible gaps present in the mixer covers, except that gaps of up to 1 inch are permissible around mixer shafts and any required instrumentation.

[Authority for term: 40 CFR 63.5835 and Table 4 of 40 CFR Part 63, Subpart WWWW]

- 2.b The permittee shall keep the mixer covers closed while mixing except when adding materials or changing covers to the mixing vessels.

[Authority for term: 40 CFR 63.5835 and Table 4 of 40 CFR Part 63, Subpart WWWW]

- 2.c The permittee shall close any mixer vent when mixing, except that venting is allowed during addition of materials, or as necessary prior to adding materials or opening the cover for safety.

[Authority for term: 40 CFR 63.5835 and Table 4 of 40 CFR Part 63, Subpart WWWW]

2. Additional Terms and Conditions (continued)

- 2.d This emissions unit shall be employed only for the mixing of raw materials, where no chemical reactions occur between any of the raw materials.

II. Operational Restrictions

1. The permittee shall not employ any cleanup materials which are photochemically reactive, as defined in OAC rule 3745-21-01(C)(5).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-0566]

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 # 02-0566, issued on November 6, 1996: A.III.2 and A.III.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.

2. The permittee shall collect and record the following information each day for the BMC mixing operation:

- a. the company identification of each material employed in the mixing operation;
- b. the weight of each material employed in the mixing operation, in pounds;
- c. the OC content of each material employed in the mixing operation, in percent by weight;
- d. the number of hours the mixing operation was conducted;
- e. the OC emissions from each material produced in the mixer, in pounds per day, calculated as specified below:

$$E = WT \times OC \times EF$$

where;

E = OC emissions, in pounds per day;

WT = total weight of each material employed in the mixer as recorded in section A.III.2.b;

OC = the OC content of each material employed in the mixer as recorded in section A.III.2.c; and

EF = emission factor of 0.25%. (The 0.25% emission factor of available HAP is taken from Table 5-2 "Average HAP Emission Equations by Process" in US EPA's document "Hazardous Air Pollutant Emissions from the Production of Reinforced Plastic Composites Background Information Document for Proposed Standards".)

Formulation data or US EPA Method 24 shall be used to determine the OC contents of the BMC materials.

- f. the total OC emissions from the mixing operation in pounds per day, calculated by summing the emissions determined in section A.III.2.e for each material mixed;
- g. the average hourly OC emissions from the mixing operation in pounds OC per hour, calculated as A.III.2.f / A.III.2.d; and
- h. the tons OC per year emitted from the mixing operation, calculated by summing the daily emissions in section A.III.2.f for the year and multiplying by 1 ton / 2000 pounds.

All calculations required in sections A.III.2.a through A.III.2.h shall be completed no later than 10 calendar days following the end of each month.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-0566]

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

3. The permittee shall collect and record the following information for the cleanup operation for each day:
 - a. the company identification of each cleanup material employed;
 - b. an identification of whether each cleanup material employed is photochemically reactive, per OAC rule 3745-21-01(C)(5);
 - c. the OC content, in pounds of OC per gallon of cleanup material employed;
 - d. the volume of each material employed in the cleanup operation, in gallons;
 - e. the volume of each material recovered from the cleanup operation for recycling or reuse, in gallons;
 - f. the number of hours the cleanup operation was conducted;
 - g. the daily OC emissions from cleanup, which is calculated as [the sum of A.III.3.d - A.III.3.e] x A.III.3.c;
 - h. the average hourly OC emissions from cleanup, in pounds, calculated as A.III.3.g / A.III.3.f; and
 - i. the annual OC emissions in tons, calculated by summing the daily OC emissions from section A.III.3.g and multiplying by 1 ton/2000 lbs.

All calculations required in sections A.III.3.a through A.III.3.i shall be completed no later than 10 calendar days following receipt of the recycle/recovery information.

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

4. The permittee shall conduct a daily inspection of this emissions unit and maintain a log of these inspections. The log shall include the compliance status of each work practice standard identified in sections A.I.2.a, A.I.2.b and A.I.2.c and shall contain the following information:
 - a. whether the emissions unit was in operation;
 - b. whether the mixer cover is employed, except when adding materials or changing covers to the mixing vessels;
 - c. whether there is a visible gap present in the mixer cover, except that gaps of up to 1 inch are permissible around mixer shafts and any required instrumentation; and
 - d. whether the mixer vent is open, except that venting is allowed during addition of materials, or as necessary prior to adding materials or opening the cover for safety.

[Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR 63.5835 and Table 4 of 40 CFR Part 63, Subpart WWWW]

5. The records specified in section A.III.4 shall also include information on the duration and cause of each deviation and the corrective action taken. These records shall be maintained as specified in Part II, section A.6.

[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 # 02-0566, issued on November 6, 1996: A.IV.2 and A.IV.3. 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 emissions from mixing exceeded 2.62 pounds and the actual average hourly OC emissions from mixing for each such day;
 - b. an identification of each day during which the OC emissions from the mixing operation exceeded 40 pounds and the actual OC emissions from the mixing operation from each such day;
 - c. an identification of each day during which the average hourly OC emissions from cleanup exceeded 2.4 pounds and the actual average hourly OC emissions from cleanup for each such day;
 - d. an identification of each day during which the OC emissions from cleanup exceeded 19.2 pounds and the actual OC emissions from cleanup for each such day; and
 - e. an identification of any day during which photochemically reactive materials were employed for cleanup and the OC emissions, in pounds, for each such day.

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

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

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

4. The deviation reports pursuant to the record keeping requirements specified in sections A.III.4 and A.III.5 shall be submitted in accordance with the requirements specified in Part II.

[Authority for term: 40 CFR 63.5910(g)]

V. Testing Requirements

1. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install # 02-0566, issued on November 6, 1996: A.V.2. The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.
2. Compliance with the emission limitations in section A.I.1 of these terms and conditions shall be determined in accordance with the following methods:

2.a Emission Limitation:

OC emissions shall not exceed 2.62 pounds per hour from the mixing operation.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the record keeping requirements specified in section A.III.2.g.

2.b Emission Limitation:

OC emissions shall not exceed 40 pounds per day from the mixing operation.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the record keeping requirements specified in section A.III.2.f.

V. Testing Requirements (continued)

2.c Emission Limitation:

OC emissions shall not exceed 7.3 tons per year from the mixing operation.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the record keeping requirements specified in section A.III.2.h.

2.d Emission Limitation:

OC emissions shall not exceed 2.4 pounds per hour from cleanup.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the record keeping requirements specified in section A.III.3.h.

2.e Emission Limitation:

OC emissions shall not exceed 19.2 pounds per day from cleanup.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the record keeping requirements specified in section A.III.3.g.

2.f Emission Limitation:

OC emissions shall not exceed 3.51 tons per year from cleanup.

Applicable Compliance Method:

Compliance shall be demonstrated by summing the daily emissions as specified in section A.III.3.i.

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

3. The permittee must demonstrate initial compliance with the work practice standard to use mixer covers. Initial compliance has been demonstrated if the permittee submits a certified statement in the notice of compliance status that mixer covers are closed during mixing except when adding materials to the mixers, and that gaps around mixer shafts and any required instrumentation do not exceed 1 inch.

[Authority for term: 40 CFR 63.5860(a) and Table 9 of 40 CFR Part 63, Subpart WWWW]

4. The permittee must demonstrate initial compliance with the requirement to not actively vent mixers to the atmosphere while the mixing agitator is turning. Initial compliance has been demonstrated if the permittee submits a certified statement in the notice of compliance status that mixers are not actively vented to the atmosphere when the agitator is turning, except when adding materials or as necessary for safety.

[Authority for term: 40 CFR 63.5835 and Table 4 of 40 CFR Part 63, Subpart WWWW]

5. The permittee must demonstrate initial compliance with the requirement to keep the mixer covers closed during mixing except when adding materials to the mixing vessels. Initial compliance has been demonstrated if the permittee submits a certified statement in the notice of compliance status that the mixer covers are kept closed except when adding materials to the mixing vessels.

[Authority for term: 40 CFR 63.5835 and Table 4 of 40 CFR Part 63, Subpart WWWW]

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: SMC Paste Mixing Operations (P007)
Activity Description: Manufacture of SMC paste for use at SMC machines

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>
Emissions unit P007 is a sheet molding compound (SMC) mixer.	OAC rule 3745-31-05(A)(3) (PTI 02-2552, effective December 21, 1998)	Organic compound (OC) emissions shall not exceed 2.42 pounds per hour, 40 pounds per day and 7.3 tons per year from the mixing operation (excluding cleanup). OC emissions from cleanup shall not exceed 19.8 pounds per day and 3.61 tons per year. The requirements of this rule also include compliance with the requirements of 40 CFR Part 63, Subpart WWWW upon startup. See section A.II.1 below.
	OAC rule 3745-21-07(G)(2)	This emissions unit is exempt from the requirements of OAC rule 3745-21-07(G)(2). See section A.I.2.d below.
	40 CFR Part 63, Subpart WWWW	See sections A.I.2.a, A.I.2.b, A.I.2.c and Part II.

2. Additional Terms and Conditions

- 2.a** This emissions unit shall employ mixer covers with no visible gaps present in the mixer covers, except that gaps of up to 1 inch are permissible around mixer shafts and any required instrumentation.

[Authority for term: 40 CFR 63.5835 and Table 4 of 40 CFR Part 63, Subpart WWWW]

- 2.b** The permittee shall keep the mixer covers closed while mixing except when adding materials or changing covers to the mixing vessels.

[Authority for term: 40 CFR 63.5835 and Table 4 of 40 CFR Part 63, Subpart WWWW]

2. Additional Terms and Conditions (continued)

- 2.c** The permittee shall close any mixer vent when mixing, except that venting is allowed during addition of materials, or as necessary prior to adding materials or opening the cover for safety.

[Authority for term: 40 CFR 63.5835 and Table 4 of 40 CFR Part 63, Subpart WWWW]

- 2.d** This emissions unit shall be employed only for the mixing of raw materials, where no chemical reactions occur between any of the raw materials.

II. Operational Restrictions

- 1.** The permittee shall not employ any cleanup materials which are photochemically reactive, as defined in OAC rule 3745-21-01(C)(5).

[Authority for term: OAC rule 3745-77-07(A)(1) and PTI 02-2552]

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 # 02-2552, issued on December 21, 1998: A.III.2 and A.III.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.

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

2. The permittee shall collect and record the following information each day for the mixing operation:
- the company identification of each material employed in the mixing operation;
 - the weight of each material employed in the mixing operation, in pounds;
 - the OC content of each material employed in the mixing operation, in percent by weight;
 - the number of hours the mixing operation was conducted;
 - the OC emissions from each material produced in the mixer, in pounds per day, calculated as specified below:

$$E = WT \times OC \times EF$$

where:

E = OC emissions, in pounds per day;

WT = total weight of each material employed in the mixer as recorded in section A.III.2.b;

OC = the OC content of each material employed in the mixer as recorded in section A.III.2.c; and

EF = emission factor of 0.25%. (The 0.25% emission factor of available HAP is taken from Table 5-2 "Average HAP Emission Equations by Process" in US EPA's document "Hazardous Air Pollutant Emissions from the Production of Reinforced Plastic Composites Background Information Document for Proposed Standards".

Formulation data or US EPA Method 24 shall be used to determine the OC contents of the SMC materials.

- the total OC emissions from the mixing operation in pounds per day, calculated by summing the emissions determined in section A.III.2.e for each material mixed;
- the average hourly OC emissions from the mixing operation in pounds OC per hour, calculated as A.III.2.f/A.III.2.d; and
- the tons OC per year emitted from the mixing operation, calculated by summing the daily emissions in section A.III.2.f for the year and multiplying by 1 ton/2000 pounds.

All calculations required in sections A.III.2.a through A.III.2.h shall be completed no later than 10 calendar days following the end of each month.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-2552]

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

3. The permittee shall collect and record the following information each day for the cleanup operation:
 - a. the company identification of each cleanup material employed;
 - b. an identification of whether each cleanup material employed is photochemically reactive, per OAC rule 3745-21-01(C)(5);
 - c. the OC content, in pounds of OC per gallon of cleanup material employed;
 - d. the volume, in gallons, of each material employed in cleanup, in gallons;
 - e. the volume of each material recovered from the cleanup operation for recycling or reuse, in gallons;
 - f. the number of hours cleanup was conducted;
 - g. the daily OC emissions from cleanup, which is calculated by (the sum of A.III.3.d - A.III.3.e) x A.III.3.c;
 - h. the average hourly OC emissions from cleanup, in pounds, calculated as A.III.3.g/A.III.3.f; and
 - i. the annual OC emissions in tons, calculated by summing the daily OC emissions from section A.III.3.g and multiplying by 1 ton/2000 lbs.

All calculations required in sections A.III.3.a through A.III.3.i shall be completed no later than 10 calendar days following receipt of the recycle/recovery information.

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

4. The permittee shall conduct a daily inspection of this emissions unit and maintain a log of these inspections. The log shall include the compliance status of each work practice standard identified in sections A.I.2.a, A.I.2.b and A.I.2.c and shall also include the following information:
 - a. whether the emissions unit was in operation;
 - b. whether the mixer cover is employed, except when adding materials or changing covers to the mixing vessels;
 - c. whether there is a visible gap present in the mixer cover, except that gaps of up to 1 inch are permissible around mixer shafts and any required instrumentation; and
 - d. whether the mixer vent is open, except that venting is allowed during addition of materials, or as necessary prior to adding materials or opening the cover for safety.

[Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR 63.5835 and Table 4 of 40 CFR Part 63, Subpart WWWW]

5. The records specified in section A.III.4 shall also include information on the duration and cause of each deviation and the corrective action taken. These records shall be maintained as specified in Part II, section A.6.

[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 # 02-2552, issued on December 21, 1998: A.IV.2. 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 emissions from mixing exceeded 2.42 pounds and the actual average hourly OC emissions from mixing for each such day;
 - b. an identification of each day during which the OC emissions from mixing exceeded 40 pounds and the actual OC emissions from the mixing operation from each such day;
 - c. an identification of each day during which the OC emissions from cleanup exceeded 19.8 pounds and the actual average hourly OC emissions from cleanup for each such day; and
 - d. an identification of each day a photochemically reactive OC material was employed for cleanup and an identification of the day(s) and the OC emissions from that day.

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

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

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

4. The deviation reports pursuant to the record keeping requirements specified in sections A.III.4 and A.III.5 shall be submitted in accordance with the requirements specified in Part II.

[Authority for term: 40 CFR 63.5910(g)]

V. Testing Requirements

1. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install # 02-2552, issued on December 21, 1998: A.V.2. The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

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

2.a Emission Limitation:

OC emissions shall not exceed 2.42 pounds per hour from the mixing operation (excluding cleanup).

Applicable Compliance Method:

Compliance shall be demonstrated based upon the record keeping requirements specified in section A.III.2.g.

2.b Emission Limitation:

OC emissions shall not exceed 40 pounds per day from the mixing operation (excluding cleanup).

Applicable Compliance Method:

Compliance shall be demonstrated based upon the record keeping requirements specified in section A.III.2.f.

2.c Emission Limitation:

OC emissions shall not exceed 7.3 tons per year from the mixing operation (excluding cleanup).

Applicable Compliance Method:

Compliance shall be demonstrated based upon the record keeping requirements specified in section A.III.2.h.

V. Testing Requirements (continued)

2.d Emission Limitation:

OC emissions from cleanup shall not exceed 19.8 pounds per day.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the record keeping requirements specified in section A.III.3.g.

2.e Emission Limitation:

OC emissions from cleanup shall not exceed 3.61 tons per year.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the record keeping requirements specified in section A.III.3.i.

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

3. The permittee must demonstrate initial compliance with the work practice standard to use mixer covers. Initial compliance has been demonstrated if the permittee submits a certified statement in the notice of compliance status that mixer covers are closed during mixing except when adding materials to the mixers, and that gaps around mixer shafts and required instrumentation do not exceed 1 inch.

[Authority for term: 40 CFR 63.5860(a) and Table 9 of 40 CFR Part 63, Subpart WWWW]

4. The permittee must demonstrate initial compliance with the requirement to not actively vent mixers to the atmosphere while the mixing agitator is turning. Initial compliance has been demonstrated if the permittee submits a certified statement in the notice of compliance status that mixers are not actively vented to the atmosphere when the agitator is turning, except when adding materials or as necessary for safety.

[Authority for term: 40 CFR 63.5835 and Table 4 of 40 CFR Part 63, Subpart WWWW]

5. The permittee must demonstrate initial compliance with the requirement to keep the mixer covers closed during mixing except when adding materials to the mixing vessels. Initial compliance has been demonstrated if the permittee submits a certified statement in the notice of compliance status that the mixer covers are kept closed except when adding materials to the mixing vessels.

[Authority for term: 40 CFR 63.5835 and Table 4 of 40 CFR Part 63, Subpart WWWW]

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>
Emissions unit P007 is a sheet molding compound (SMC) mixer.		See section B.1.2.a below.

2. Additional Terms and Conditions

- 2.a The permittee was subject to Ohio's Air Toxics Policy, as detailed in PTI 02-2552 for this emissions unit. However, on April 21, 2006, the requirements for 40 CFR Part 63, Subpart WWWW were effective for this emissions unit. Therefore, this emissions unit is no longer subject to these provisions.

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: Thermoset Compression Mold Press No.2 (P009)
Activity Description: Close FRP Molding Presses Used For Molding Plastic Parts From SMC & BMC

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>
Emissions unit P009 is thermoset mold compression press no. 2.	OAC rule 3745-31-05(A)(3) (PTI 02-22186 effective November 14, 2006)	Volatile organic compound/hazardous air pollutant (VOC/HAP) emissions shall not exceed 14.2 lbs per day and 2.6 tons per year.
	40 CFR Part 63, Subpart WWWW	See section A.II.1 below and the applicable sections in Part II, sections A.2 through A.14.

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The permittee shall uncover, unwrap or expose only one charge per mold cycle per compression/injection molding machine. For machines with multiple molds, one charge means sufficient material to fill all molds per one cycle. For machines with robotic loaders, no more than one charge may be exposed prior to the loader. For machines fed by hoppers, sufficient material may be uncovered to fill the hopper. Hoppers must be closed when not adding materials. Materials may be uncovered to feed to slitting machines. Materials must be recovered after slitting.

(Authority for term: 40 CFR 63.5835, Table 4 of 40 CFR Part 63, Subpart WWWW and PTI 02-22186)

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect the following information each day:
 - a. the identification of each mold compound employed in this emissions unit;
 - b. the weight of each mold compound employed in this emissions unit, in pounds; and
 - c. the percent of VOC/HAP, by weight, in each such mold compound.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

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

2. The permittee shall conduct daily inspections of this emissions unit and maintain a log of these inspections. The log shall include the compliance status of the work practice standard identified in section A.II.1 and shall include the following information:
 - a. whether the emissions unit was in operation;
 - b. whether the permittee uncovered, unwrapped or exposed more than one charge per mold cycle per compression/injection molding machine as specified in section A.II.1; and
 - c. information on the duration and cause of each deviation and the corrective action taken.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

3. The permittee has demonstrated compliance with the requirements specified in section A.II.1 if the permittee maintains a certified statement that only one charge is uncovered, unwrapped or exposed per mold cycle per compression/injection molding machine, or prior to the loader, hoppers are closed except when adding materials and materials are recovered after slitting.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR 63.5835, Table 4 of 40 CFR Part 63, Subpart WWWW and PTI 02-22186)

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day during which more than 14.2 lbs of VOC/HAP were emitted and the amount of VOC/HAP that was emitted during each such day.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

2. The deviation reports pursuant to the record keeping requirements specified in section A.III.2 shall be submitted in accordance with the requirements specified in Part II, section A.11.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR 63.5910(g) and PTI 02-22186)

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:

V. Testing Requirements (continued)

1.a Emission Limitation:

VOC/HAP emissions shall not exceed 14.2 lbs per day.

Applicable Compliance Method:

Compliance shall be determined by either (i) summing the HAPs emissions for each individual SMC/BMC compound employed in this emissions unit or (ii) by calculating the daily volume-weighted HAP content of all the compounds employed and then calculating the emissions as described below:

i. $\text{lbs HAP/day} = \text{the summation of the products of (lbs SMC/BMC used/day) (\%HAP) (EF) for } i = 1 \text{ through } r$

where:

$\% \text{ HAP} = \% \text{ HAP, by weight, employed in the press;}$

$\text{EF} = \text{emission factor, which is 2\% of the available HAP as documented in Table 5.2 of the background information document for the MACT, or the most recent factor should that factor be updated;}$

$i = \text{a specific SMC/BMC material employed during the day; and}$

$n = \text{total number of SMC/BMC materials employed during the day.}$

or

ii. $\text{lbs HAP/day} = (\text{lbs SMC/BMC used/day}) (\text{daily volume weighted } \% \text{ HAP}) (\text{EF})$

where:

$\text{daily volume weighted } \% \text{ HAP} = \text{daily volume weighted } \% \text{ HAP employed in the press; and}$

$\text{EF} = \text{emission factor, which is 2\% of the available HAP as documented in Table 5.2 of the background information document for the MACT, or the most recent factor should that factor be updated.}$

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

1.b Emission Limitation:

VOC/HAP emissions shall not exceed 2.6 tons per year.

Applicable Compliance Method:

Compliance with the annual limit shall be determined by summing the daily VOC/HAP emissions determined in section A.V.1.a for each day of the calendar year, and then dividing by 2000 lbs per ton.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

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: Thermoset Compression Mold Press No. 5 (P010)
Activity Description: Close FRP Molding Presses Used For Molding Plastic Parts From SMC & BMC

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>
Emissions unit P010 is thermoset mold compression press no. 5.	OAC rule 3745-31-05(A)(3) (PTI 02-22186 effective November 14, 2006)	Volatile organic compound/hazardous air pollutant (VOC/HAP) emissions shall not exceed 14.2 lbs per day and 2.6 tons per year.
	40 CFR Part 63, Subpart WWWW	See section A.II.1 below and the applicable sections in Part II, sections A.2 through A.14.

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The permittee shall uncover, unwrap or expose only one charge per mold cycle per compression/injection molding machine. For machines with multiple molds, one charge means sufficient material to fill all molds per one cycle. For machines with robotic loaders, no more than one charge may be exposed prior to the loader. For machines fed by hoppers, sufficient material may be uncovered to fill the hopper. Hoppers must be closed when not adding materials. Materials may be uncovered to feed to slitting machines. Materials must be recovered after slitting.

(Authority for term: 40 CFR 63.5835, Table 4 of 40 CFR Part 63, Subpart WWWW and PTI 02-22186)

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect the following information each day:
 - a. the identification of each mold compound employed in this emissions unit;
 - b. the weight of each mold compound employed in this emissions unit, in pounds; and
 - c. the percent of VOC/HAP, by weight, in each such mold compound.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

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

2. The permittee shall conduct daily inspections of this emissions unit and maintain a log of these inspections. The log shall include the compliance status of the work practice standard identified in section A.II.1 and shall include the following information:
 - a. whether the emissions unit was in operation;
 - b. whether the permittee uncovered, unwrapped or exposed more than one charge per mold cycle per compression/injection molding machine as specified in section A.II.1; and
 - c. information on the duration and cause of each deviation and the corrective action taken.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

3. The permittee has demonstrated compliance with the requirements specified in section A.II.1 if the permittee maintains a certified statement that only one charge is uncovered, unwrapped or exposed per mold cycle per compression/injection molding machine, or prior to the loader, hoppers are closed except when adding materials and materials are recovered after slitting.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR 63.5835, Table 4 of 40 CFR Part 63, Subpart WWWW and PTI 02-22186)

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day during which more than 14.2 lbs of VOC/HAP were emitted and the amount of VOC/HAP that was emitted during each such day.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

2. The deviation reports pursuant to the record keeping requirements specified in section A.III.2 shall be submitted in accordance with the requirements specified in Part II, section A.11.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR 63.5910(g) and PTI 02-22186)

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:

V. Testing Requirements (continued)

1.a Emission Limitation:

VOC/HAP emissions shall not exceed 14.2 lbs per day.

Applicable Compliance Method:

Compliance shall be determined by either (i) summing the HAPs emissions for each individual SMC/BMC compound employed in this emissions unit or (ii) by calculating the daily volume-weighted HAP content of all the compounds employed and then calculating the emissions as described below:

i. $\text{lbs HAP/day} = \text{the summation of the products of (lbs SMC/BMC used/day) (\%HAP) (EF) for } i = 1 \text{ through } r$

where:

$\% \text{ HAP} = \% \text{ HAP, by weight, employed in the press;}$

$\text{EF} = \text{emission factor, which is 2\% of the available HAP as documented in Table 5.2 of the background information document for the MACT, or the most recent factor should that factor be updated;}$

$i = \text{a specific SMC/BMC material employed during the day; and}$

$n = \text{total number of SMC/BMC materials employed during the day.}$

or

ii. $\text{lbs HAP/day} = (\text{lbs SMC/BMC used/day}) (\text{daily volume weighted } \% \text{ HAP}) (\text{EF})$

where:

$\text{daily volume weighted } \% \text{ HAP} = \text{daily volume weighted } \% \text{ HAP employed in the press; and}$

$\text{EF} = \text{emission factor, which is 2\% of the available HAP as documented in Table 5.2 of the background information document for the MACT, or the most recent factor should that factor be updated.}$

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

1.b Emission Limitation:

VOC/HAP emissions shall not exceed 2.6 tons per year.

Applicable Compliance Method:

Compliance with the annual limit shall be determined by summing the daily VOC/HAP emissions determined in section A.V.1.a for each day of the calendar year, and then dividing by 2000 lbs per ton.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

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: Thermoset Compression Mold Press No. 11 (P011)
Activity Description: Close FRP Molding Presses Used For Molding Plastic Parts From SMC & BMC

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>
Emissions unit P011 is thermoset mold compression press no. 11.	OAC rule 3745-31-05(A)(3) (PTI 02-22186 effective November 14, 2006)	Volatile organic compound/hazardous air pollutant (VOC/HAP) emissions shall not exceed 2.7 lbs per day and 0.5 ton per year.
	40 CFR Part 63, Subpart WWWW	See section A.II.1 below and the applicable sections in Part II, sections A.2 through A.14.

2. Additional Terms and Conditions

None

II. Operational Restrictions

- The permittee shall uncover, unwrap or expose only one charge per mold cycle per compression/injection molding machine. For machines with multiple molds, one charge means sufficient material to fill all molds per one cycle. For machines with robotic loaders, no more than one charge may be exposed prior to the loader. For machines fed by hoppers, sufficient material may be uncovered to fill the hopper. Hoppers must be closed when not adding materials. Materials may be uncovered to feed to slitting machines. Materials must be recovered after slitting.

(Authority for term: 40 CFR 63.5835, Table 4 of 40 CFR Part 63, Subpart WWWW and PTI 02-22186)

III. Monitoring and/or Record Keeping Requirements

- The permittee shall collect the following information each day:
 - the identification of each mold compound employed in this emissions unit;
 - the weight of each mold compound employed in this emissions unit, in pounds; and
 - the percent of VOC/HAP, by weight, in each such mold compound.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

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

2. The permittee shall conduct daily inspections of this emissions unit and maintain a log of these inspections. The log shall include the compliance status of the work practice standard identified in section A.II.1 and shall include the following information:
 - a. whether the emissions unit was in operation;
 - b. whether the permittee uncovered, unwrapped or exposed more than one charge per mold cycle per compression/injection molding machine as specified in section A.II.1; and
 - c. information on the duration and cause of each deviation and the corrective action taken.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

3. The permittee has demonstrated compliance with the requirements specified in section A.II.1 if the permittee maintains a certified statement that only one charge is uncovered, unwrapped or exposed per mold cycle per compression/injection molding machine, or prior to the loader, hoppers are closed except when adding materials and materials are recovered after slitting.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR 63.5835, Table 4 of 40 CFR Part 63, Subpart WWWW and PTI 02-22186)

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day during which more than 2.7 lbs of VOC/HAP were emitted and the amount of VOC/HAP that was emitted during each such day.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

2. The deviation reports pursuant to the record keeping requirements specified in section A.III.2 shall be submitted in accordance with the requirements specified in Part II, section A.11.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR 63.5910(g) and PTI 02-22186)

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:

V. Testing Requirements (continued)

1.a Emission Limitation:

VOC/HAP emissions shall not exceed 2.7 lbs per day.

Applicable Compliance Method:

Compliance shall be determined by either (i) summing the HAPs emissions for each individual SMC/BMC compound employed in this emissions unit or (ii) by calculating the daily volume-weighted HAP content of all the compounds employed and then calculating the emissions as described below:

i. $\text{lbs HAP/day} = \text{the summation of the products of (lbs SMC/BMC used/day) (\%HAP) (EF) for } i = 1 \text{ through } r$

where:

$\% \text{ HAP} = \% \text{ HAP, by weight, employed in the press;}$

$\text{EF} = \text{emission factor, which is 2\% of the available HAP as documented in Table 5.2 of the background information document for the MACT, or the most recent factor should that factor be updated;}$

$i = \text{a specific SMC/BMC material employed during the day; and}$

$n = \text{total number of SMC/BMC materials employed during the day.}$

or

ii. $\text{lbs HAP/day} = (\text{lbs SMC/BMC used/day}) (\text{daily volume weighted } \% \text{ HAP}) (\text{EF})$

where:

$\text{daily volume weighted } \% \text{ HAP} = \text{daily volume weighted } \% \text{ HAP employed in the press; and}$

$\text{EF} = \text{emission factor, which is 2\% of the available HAP as documented in Table 5.2 of the background information document for the MACT, or the most recent factor should that factor be updated.}$

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

1.b Emission Limitation:

VOC/HAP emissions shall not exceed 0.5 ton per year.

Applicable Compliance Method:

Compliance with the annual limit shall be determined by summing the daily VOC/HAP emissions determined in section A.V.1.a for each day of the calendar year, and then dividing by 2000 lbs per ton.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

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: Thermoset Compression Mold Press No. 14 (P012)
Activity Description: Close FRP Molding Presses Used For Molding Plastic Parts From SMC & BMC

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>
Emissions unit P012 is thermoset mold compression press no. 14.	OAC rule 3745-31-05(A)(3) (PTI 02-22186 effective November 14, 2006)	Volatile organic compound/hazardous air pollutant (VOC/HAP) emissions shall not exceed 14.2 lbs per day and 2.6 tons per year.
	40 CFR Part 63, Subpart WWWW	See section A.II.1 below and the applicable sections in Part II, sections A.2 through A.14.

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The permittee shall uncover, unwrap or expose only one charge per mold cycle per compression/injection molding machine. For machines with multiple molds, one charge means sufficient material to fill all molds per one cycle. For machines with robotic loaders, no more than one charge may be exposed prior to the loader. For machines fed by hoppers, sufficient material may be uncovered to fill the hopper. Hoppers must be closed when not adding materials. Materials may be uncovered to feed to slitting machines. Materials must be recovered after slitting.

(Authority for term: 40 CFR 63.5835, Table 4 of 40 CFR Part 63, Subpart WWWW and PTI 02-22186)

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect the following information each day:
 - a. the identification of each mold compound employed in this emissions unit;
 - b. the weight of each mold compound employed in this emissions unit, in pounds; and
 - c. the percent of VOC/HAP, by weight, in each such mold compound.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

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

2. The permittee shall conduct daily inspections of this emissions unit and maintain a log of these inspections. The log shall include the compliance status of the work practice standard identified in section A.II.1 and shall include the following information:
 - a. whether the emissions unit was in operation;
 - b. whether the permittee uncovered, unwrapped or exposed more than one charge per mold cycle per compression/injection molding machine as specified in section A.II.1; and
 - c. information on the duration and cause of each deviation and the corrective action taken.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

3. The permittee has demonstrated compliance with the requirements specified in section A.II.1 if the permittee maintains a certified statement that only one charge is uncovered, unwrapped or exposed per mold cycle per compression/injection molding machine, or prior to the loader, hoppers are closed except when adding materials and materials are recovered after slitting.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR 63.5835, Table 4 of 40 CFR Part 63, Subpart WWWW and PTI 02-22186)

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day during which more than 14.2 lbs of VOC/HAP were emitted and the amount of VOC/HAP that was emitted during each such day.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

2. The deviation reports pursuant to the record keeping requirements specified in section A.III.2 shall be submitted in accordance with the requirements specified in Part II, section A.11.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR 63.5910(g) and PTI 02-22186)

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:

V. Testing Requirements (continued)

1.a Emission Limitation:

VOC/HAP emissions shall not exceed 14.2 lbs per day.

Applicable Compliance Method:

Compliance shall be determined by either (i) summing the HAPs emissions for each individual SMC/BMC compound employed in this emissions unit or (ii) by calculating the daily volume-weighted HAP content of all the compounds employed and then calculating the emissions as described below:

i. $\text{lbs HAP/day} = \text{the summation of the products of (lbs SMC/BMC used/day) (\%HAP) (EF) for } i = 1 \text{ through } r$

where:

$\% \text{ HAP} = \% \text{ HAP, by weight, employed in the press;}$

$\text{EF} = \text{emission factor, which is 2\% of the available HAP as documented in Table 5.2 of the background information document for the MACT, or the most recent factor should that factor be updated;}$

$i = \text{a specific SMC/BMC material employed during the day; and}$

$n = \text{total number of SMC/BMC materials employed during the day.}$

or

ii. $\text{lbs HAP/day} = (\text{lbs SMC/BMC used/day}) (\text{daily volume weighted } \% \text{ HAP}) (\text{EF})$

where:

$\text{daily volume weighted } \% \text{ HAP} = \text{daily volume weighted } \% \text{ HAP employed in the press; and}$

$\text{EF} = \text{emission factor, which is 2\% of the available HAP as documented in Table 5.2 of the background information document for the MACT, or the most recent factor should that factor be updated.}$

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

1.b Emission Limitation:

VOC/HAP emissions shall not exceed 2.6 tons per year.

Applicable Compliance Method:

Compliance with the annual limit shall be determined by summing the daily VOC/HAP emissions determined in section A.V.1.a for each day of the calendar year, and then dividing by 2000 lbs per ton.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

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: Thermoset Compression Mold Press No. 23 (P013)
Activity Description: Close FRP Molding Presses Used For Molding Plastic Parts From SMC & BMC

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>
Emissions unit P013 is thermoset mold compression press no. 23.	OAC rule 3745-31-05(A)(3) (PTI 02-22186 effective November 14, 2006)	Volatile organic compound/hazardous air pollutant (VOC/HAP) emissions shall not exceed 2.7 lbs per day and 0.5 ton per year.
	40 CFR Part 63, Subpart WWWW	See section A.II.1 below and the applicable sections in Part II, sections A.2 through A.14.

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The permittee shall uncover, unwrap or expose only one charge per mold cycle per compression/injection molding machine. For machines with multiple molds, one charge means sufficient material to fill all molds per one cycle. For machines with robotic loaders, no more than one charge may be exposed prior to the loader. For machines fed by hoppers, sufficient material may be uncovered to fill the hopper. Hoppers must be closed when not adding materials. Materials may be uncovered to feed to slitting machines. Materials must be recovered after slitting.

(Authority for term: 40 CFR 63.5835, Table 4 of 40 CFR Part 63, Subpart WWWW and PTI 02-22186)

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect the following information each day:
 - a. the identification of each mold compound employed in this emissions unit;
 - b. the weight of each mold compound employed in this emissions unit, in pounds; and
 - c. the percent of VOC/HAP, by weight, in each such mold compound.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

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

2. The permittee shall conduct daily inspections of this emissions unit and maintain a log of these inspections. The log shall include the compliance status of the work practice standard identified in section A.II.1 and shall include the following information:
 - a. whether the emissions unit was in operation;
 - b. whether the permittee uncovered, unwrapped or exposed more than one charge per mold cycle per compression/injection molding machine as specified in section A.II.1; and
 - c. information on the duration and cause of each deviation and the corrective action taken.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

3. The permittee has demonstrated compliance with the requirements specified in section A.II.1 if the permittee maintains a certified statement that only one charge is uncovered, unwrapped or exposed per mold cycle per compression/injection molding machine, or prior to the loader, hoppers are closed except when adding materials and materials are recovered after slitting.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR 63.5835, Table 4 of 40 CFR Part 63, Subpart WWWW and PTI 02-22186)

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day during which more than 2.7 lbs of VOC/HAP were emitted and the amount of VOC/HAP that was emitted during each such day.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

2. The deviation reports pursuant to the record keeping requirements specified in section A.III.2 shall be submitted in accordance with the requirements specified in Part II, section A.11.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR 63.5910(g) and PTI 02-22186)

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:

V. Testing Requirements (continued)

1.a Emission Limitation:

VOC/HAP emissions shall not exceed 2.7 lbs per day.

Applicable Compliance Method:

Compliance shall be determined by either (i) summing the HAPs emissions for each individual SMC/BMC compound employed in this emissions unit or (ii) by calculating the daily volume-weighted HAP content of all the compounds employed and then calculating the emissions as described below:

i. $\text{lbs HAP/day} = \text{the summation of the products of (lbs SMC/BMC used/day) (\%HAP) (EF) for } i = 1 \text{ through } r$

where:

$\% \text{ HAP} = \% \text{ HAP, by weight, employed in the press;}$

$\text{EF} = \text{emission factor, which is 2\% of the available HAP as documented in Table 5.2 of the background information document for the MACT, or the most recent factor should that factor be updated;}$

$i = \text{a specific SMC/BMC material employed during the day; and}$

$n = \text{total number of SMC/BMC materials employed during the day.}$

or

ii. $\text{lbs HAP/day} = (\text{lbs SMC/BMC used/day}) (\text{daily volume weighted } \% \text{ HAP}) (\text{EF})$

where:

$\text{daily volume weighted } \% \text{ HAP} = \text{daily volume weighted } \% \text{ HAP employed in the press; and}$

$\text{EF} = \text{emission factor, which is 2\% of the available HAP as documented in Table 5.2 of the background information document for the MACT, or the most recent factor should that factor be updated.}$

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

1.b Emission Limitation:

VOC/HAP emissions shall not exceed 0.5 ton per year.

Applicable Compliance Method:

Compliance with the annual limit shall be determined by summing the daily VOC/HAP emissions determined in section A.V.1.a for each day of the calendar year, and then dividing by 2000 lbs per ton.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

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: Thermoset Compression Mold Press No. 38 (P014)
Activity Description: Close FRP Molding Presses Used For Molding Plastic Parts From SMC & BMC

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>
Emissions unit P014 is thermoset mold compression press no. 38.	OAC rule 3745-31-05(A)(3) (PTI 02-22186 effective November 14, 2006)	Volatile organic compound/hazardous air pollutant (VOC/HAP) emissions shall not exceed 40 lbs per day and 7.3 tons per year.
	40 CFR Part 63, Subpart WWWW	See section A.II.1 below and the applicable sections in Part II, sections A.2 through A.14.

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The permittee shall uncover, unwrap or expose only one charge per mold cycle per compression/injection molding machine. For machines with multiple molds, one charge means sufficient material to fill all molds per one cycle. For machines with robotic loaders, no more than one charge may be exposed prior to the loader. For machines fed by hoppers, sufficient material may be uncovered to fill the hopper. Hoppers must be closed when not adding materials. Materials may be uncovered to feed to slitting machines. Materials must be recovered after slitting.

(Authority for term: 40 CFR 63.5835, Table 4 of 40 CFR Part 63, Subpart WWWW and PTI 02-22186)

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect the following information each day:
 - a. the identification of each mold compound employed in this emissions unit;
 - b. the weight of each mold compound employed in this emissions unit, in pounds; and
 - c. the percent of VOC/HAP, by weight, in each such mold compound.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

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

2. The permittee shall conduct daily inspections of this emissions unit and maintain a log of these inspections. The log shall include the compliance status of the work practice standard identified in section A.II.1 and shall include the following information:
 - a. whether the emissions unit was in operation;
 - b. whether the permittee uncovered, unwrapped or exposed more than one charge per mold cycle per compression/injection molding machine as specified in section A.II.1; and
 - c. information on the duration and cause of each deviation and the corrective action taken.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

3. The permittee has demonstrated compliance with the requirements specified in section A.II.1 if the permittee maintains a certified statement that only one charge is uncovered, unwrapped or exposed per mold cycle per compression/injection molding machine, or prior to the loader, hoppers are closed except when adding materials and materials are recovered after slitting.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR 63.5835, Table 4 of 40 CFR Part 63, Subpart WWWW and PTI 02-22186)

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day during which more than 40 lbs of VOC/HAP were emitted and the amount of VOC/HAP that was emitted during each such day.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

2. The deviation reports pursuant to the record keeping requirements specified in section A.III.2 shall be submitted in accordance with the requirements specified in Part II, section A.11.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR 63.5910(g) and PTI 02-22186)

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:

V. Testing Requirements (continued)

1.a Emission Limitation:

VOC/HAP emissions shall not exceed 40 lbs per day.

Applicable Compliance Method:

Compliance shall be determined by either (i) summing the HAPs emissions for each individual SMC/BMC compound employed in this emissions unit or (ii) by calculating the daily volume-weighted HAP content of all the compounds employed and then calculating the emissions as described below:

i. $\text{lbs HAP/day} = \text{the summation of the products of (lbs SMC/BMC used/day) (\%HAP) (EF) for } i = 1 \text{ through } r$

where:

$\% \text{ HAP} = \% \text{ HAP, by weight, employed in the press;}$

$\text{EF} = \text{emission factor, which is 2\% of the available HAP as documented in Table 5.2 of the background information document for the MACT, or the most recent factor should that factor be updated;}$

$i = \text{a specific SMC/BMC material employed during the day; and}$

$n = \text{total number of SMC/BMC materials employed during the day.}$

or

ii. $\text{lbs HAP/day} = (\text{lbs SMC/BMC used/day}) (\text{daily volume weighted } \% \text{ HAP}) (\text{EF})$

where:

$\text{daily volume weighted } \% \text{ HAP} = \text{daily volume weighted } \% \text{ HAP employed in the press; and}$

$\text{EF} = \text{emission factor, which is 2\% of the available HAP as documented in Table 5.2 of the background information document for the MACT, or the most recent factor should that factor be updated.}$

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

1.b Emission Limitation:

VOC/HAP emissions shall not exceed 7.3 tons per year.

Applicable Compliance Method:

Compliance with the annual limit shall be determined by summing the daily VOC/HAP emissions determined in section A.V.1.a for each day of the calendar year, and then dividing by 2000 lbs per ton.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

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: Thermoset Compression Mold Press No. 39 (P015)
Activity Description: Close FRP Molding Presses Used For Molding Plastic Parts From SMC & BMC

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>
Emissions unit P015 is thermoset mold compression press no. 39.	OAC rule 3745-31-05(A)(3) (PTI 02-22186 effective November 14, 2006)	Volatile organic compound/hazardous air pollutant (VOC/HAP) emissions shall not exceed 14.2 lbs per day and 2.6 tons per year.
	40 CFR Part 63, Subpart WWWW	See section A.II.1 below and the applicable sections in Part II, sections A.2 through A.14.

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The permittee shall uncover, unwrap or expose only one charge per mold cycle per compression/injection molding machine. For machines with multiple molds, one charge means sufficient material to fill all molds per one cycle. For machines with robotic loaders, no more than one charge may be exposed prior to the loader. For machines fed by hoppers, sufficient material may be uncovered to fill the hopper. Hoppers must be closed when not adding materials. Materials may be uncovered to feed to slitting machines. Materials must be recovered after slitting.

(Authority for term: 40 CFR 63.5835, Table 4 of 40 CFR Part 63, Subpart WWWW and PTI 02-22186)

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect the following information each day:
 - a. the identification of each mold compound employed in this emissions unit;
 - b. the weight of each mold compound employed in this emissions unit, in pounds; and
 - c. the percent of VOC/HAP, by weight, in each such mold compound.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

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

2. The permittee shall conduct daily inspections of this emissions unit and maintain a log of these inspections. The log shall include the compliance status of the work practice standard identified in section A.II.1 and shall include the following information:
 - a. whether the emissions unit was in operation;
 - b. whether the permittee uncovered, unwrapped or exposed more than one charge per mold cycle per compression/injection molding machine as specified in section A.II.1; and
 - c. information on the duration and cause of each deviation and the corrective action taken.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

3. The permittee has demonstrated compliance with the requirements specified in section A.II.1 if the permittee maintains a certified statement that only one charge is uncovered, unwrapped or exposed per mold cycle per compression/injection molding machine, or prior to the loader, hoppers are closed except when adding materials and materials are recovered after slitting.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR 63.5835, Table 4 of 40 CFR Part 63, Subpart WWWW and PTI 02-22186)

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day during which more than 14.2 lbs of VOC/HAP were emitted and the amount of VOC/HAP that was emitted during each such day.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

2. The deviation reports pursuant to the record keeping requirements specified in section A.III.2 shall be submitted in accordance with the requirements specified in Part II, section A.11.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR 63.5910(g) and PTI 02-22186)

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:

V. Testing Requirements (continued)

1.a Emission Limitation:

VOC/HAP emissions shall not exceed 14.2 lbs per day.

Applicable Compliance Method:

Compliance shall be determined by either (i) summing the HAPs emissions for each individual SMC/BMC compound employed in this emissions unit or (ii) by calculating the daily volume-weighted HAP content of all the compounds employed and then calculating the emissions as described below:

i. $\text{lbs HAP/day} = \text{the summation of the products of (lbs SMC/BMC used/day) (\%HAP) (EF) for } i = 1 \text{ through } r$

where:

$\% \text{ HAP} = \% \text{ HAP, by weight, employed in the press;}$

$\text{EF} = \text{emission factor, which is 2\% of the available HAP as documented in Table 5.2 of the background information document for the MACT, or the most recent factor should that factor be updated;}$

$i = \text{a specific SMC/BMC material employed during the day; and}$

$n = \text{total number of SMC/BMC materials employed during the day.}$

or

ii. $\text{lbs HAP/day} = (\text{lbs SMC/BMC used/day}) (\text{daily volume weighted } \% \text{ HAP}) (\text{EF})$

where:

$\text{daily volume weighted } \% \text{ HAP} = \text{daily volume weighted } \% \text{ HAP employed in the press; and}$

$\text{EF} = \text{emission factor, which is 2\% of the available HAP as documented in Table 5.2 of the background information document for the MACT, or the most recent factor should that factor be updated.}$

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

1.b Emission Limitation:

VOC/HAP emissions shall not exceed 2.6 tons per year.

Applicable Compliance Method:

Compliance with the annual limit shall be determined by summing the daily VOC/HAP emissions determined in section A.V.1.a for each day of the calendar year, and then dividing by 2000 lbs per ton.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

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: Thermoset Compression Mold Press No. 40 (P016)
Activity Description: Close FRP Molding Presses Used For Molding Plastic Parts From SMC & BMC

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>
Emissions unit P016 is thermoset mold compression press no. 40.	OAC rule 3745-31-05(A)(3) (PTI 02-22186 effective November 14, 2006)	Volatile organic compound/hazardous air pollutant (VOC/HAP) emissions shall not exceed 14.2 lbs per day and 2.6 tons per year.
	40 CFR Part 63, Subpart WWWW	See section A.II.1 below and the applicable sections in Part II, sections A.2 through A.14.

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The permittee shall uncover, unwrap or expose only one charge per mold cycle per compression/injection molding machine. For machines with multiple molds, one charge means sufficient material to fill all molds per one cycle. For machines with robotic loaders, no more than one charge may be exposed prior to the loader. For machines fed by hoppers, sufficient material may be uncovered to fill the hopper. Hoppers must be closed when not adding materials. Materials may be uncovered to feed to slitting machines. Materials must be recovered after slitting.

(Authority for term: 40 CFR 63.5835, Table 4 of 40 CFR Part 63, Subpart WWWW and PTI 02-22186)

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect the following information each day:
 - a. the identification of each mold compound employed in this emissions unit;
 - b. the weight of each mold compound employed in this emissions unit, in pounds; and
 - c. the percent of VOC/HAP, by weight, in each such mold compound.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

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

2. The permittee shall conduct daily inspections of this emissions unit and maintain a log of these inspections. The log shall include the compliance status of the work practice standard identified in section A.II.1 and shall include the following information:
 - a. whether the emissions unit was in operation;
 - b. whether the permittee uncovered, unwrapped or exposed more than one charge per mold cycle per compression/injection molding machine as specified in section A.II.1; and
 - c. information on the duration and cause of each deviation and the corrective action taken.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

3. The permittee has demonstrated compliance with the requirements specified in section A.II.1 if the permittee maintains a certified statement that only one charge is uncovered, unwrapped or exposed per mold cycle per compression/injection molding machine, or prior to the loader, hoppers are closed except when adding materials and materials are recovered after slitting.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR 63.5835, Table 4 of 40 CFR Part 63, Subpart WWWW and PTI 02-22186)

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day during which more than 14.2 lbs of VOC/HAP were emitted and the amount of VOC/HAP that was emitted during each such day.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

2. The deviation reports pursuant to the record keeping requirements specified in section A.III.2 shall be submitted in accordance with the requirements specified in Part II, section A.11.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR 63.5910(g) and PTI 02-22186)

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:

V. Testing Requirements (continued)

1.a Emission Limitation:

VOC/HAP emissions shall not exceed 14.2 lbs per day.

Applicable Compliance Method:

Compliance shall be determined by either (i) summing the HAPs emissions for each individual SMC/BMC compound employed in this emissions unit or (ii) by calculating the daily volume-weighted HAP content of all the compounds employed and then calculating the emissions as described below:

i. $\text{lbs HAP/day} = \text{the summation of the products of (lbs SMC/BMC used/day) (\%HAP) (EF) for } i = 1 \text{ through } r$

where:

$\% \text{ HAP} = \% \text{ HAP, by weight, employed in the press;}$

$\text{EF} = \text{emission factor, which is 2\% of the available HAP as documented in Table 5.2 of the background information document for the MACT, or the most recent factor should that factor be updated;}$

$i = \text{a specific SMC/BMC material employed during the day; and}$

$n = \text{total number of SMC/BMC materials employed during the day.}$

or

ii. $\text{lbs HAP/day} = (\text{lbs SMC/BMC used/day}) (\text{daily volume weighted } \% \text{ HAP}) (\text{EF})$

where:

$\text{daily volume weighted } \% \text{ HAP} = \text{daily volume weighted } \% \text{ HAP employed in the press; and}$

$\text{EF} = \text{emission factor, which is 2\% of the available HAP as documented in Table 5.2 of the background information document for the MACT, or the most recent factor should that factor be updated.}$

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

1.b Emission Limitation:

VOC/HAP emissions shall not exceed 2.6 tons per year.

Applicable Compliance Method:

Compliance with the annual limit shall be determined by summing the daily VOC/HAP emissions determined in section A.V.1.a for each day of the calendar year, and then dividing by 2000 lbs per ton.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

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: Thermoset Compression Mold Press No. 41 (P017)
Activity Description: Close FRP Molding Presses Used For Molding Plastic Parts From SMC & BMC

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>
Emissions unit P017 is thermoset mold compression press no. 41.	OAC rule 3745-31-05(A)(3) (PTI 02-22186 effective November 14, 2006)	Volatile organic compound/hazardous air pollutant (VOC/HAP) emissions shall not exceed 14.2 lbs per day and 2.6 tons per year.
	40 CFR Part 63, Subpart WWWW	See section A.II.1 below and the applicable sections in Part II, sections A.2 through A.14.

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The permittee shall uncover, unwrap or expose only one charge per mold cycle per compression/injection molding machine. For machines with multiple molds, one charge means sufficient material to fill all molds per one cycle. For machines with robotic loaders, no more than one charge may be exposed prior to the loader. For machines fed by hoppers, sufficient material may be uncovered to fill the hopper. Hoppers must be closed when not adding materials. Materials may be uncovered to feed to slitting machines. Materials must be recovered after slitting.

(Authority for term: 40 CFR 63.5835, Table 4 of 40 CFR Part 63, Subpart WWWW and PTI 02-22186)

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect the following information each day:
 - a. the identification of each mold compound employed in this emissions unit;
 - b. the weight of each mold compound employed in this emissions unit, in pounds; and
 - c. the percent of VOC/HAP, by weight, in each such mold compound.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

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

2. The permittee shall conduct daily inspections of this emissions unit and maintain a log of these inspections. The log shall include the compliance status of the work practice standard identified in section A.II.1 and shall include the following information:
 - a. whether the emissions unit was in operation;
 - b. whether the permittee uncovered, unwrapped or exposed more than one charge per mold cycle per compression/injection molding machine as specified in section A.II.1; and
 - c. information on the duration and cause of each deviation and the corrective action taken.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

3. The permittee has demonstrated compliance with the requirements specified in section A.II.1 if the permittee maintains a certified statement that only one charge is uncovered, unwrapped or exposed per mold cycle per compression/injection molding machine, or prior to the loader, hoppers are closed except when adding materials and materials are recovered after slitting.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR 63.5835, Table 4 of 40 CFR Part 63, Subpart WWWW and PTI 02-22186)

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day during which more than 14.2 lbs of VOC/HAP were emitted and the amount of VOC/HAP that was emitted during each such day.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

2. The deviation reports pursuant to the record keeping requirements specified in section A.III.2 shall be submitted in accordance with the requirements specified in Part II, section A.11.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR 63.5910(g) and PTI 02-22186)

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:

V. Testing Requirements (continued)

1.a Emission Limitation:

VOC/HAP emissions shall not exceed 14.2 lbs per day.

Applicable Compliance Method:

Compliance shall be determined by either (i) summing the HAPs emissions for each individual SMC/BMC compound employed in this emissions unit or (ii) by calculating the daily volume-weighted HAP content of all the compounds employed and then calculating the emissions as described below:

i. $\text{lbs HAP/day} = \text{the summation of the products of (lbs SMC/BMC used/day) (\%HAP) (EF) for } i = 1 \text{ through } r$

where:

$\% \text{ HAP} = \% \text{ HAP, by weight, employed in the press;}$

$\text{EF} = \text{emission factor, which is 2\% of the available HAP as documented in Table 5.2 of the background information document for the MACT, or the most recent factor should that factor be updated;}$

$i = \text{a specific SMC/BMC material employed during the day; and}$

$n = \text{total number of SMC/BMC materials employed during the day.}$

or

ii. $\text{lbs HAP/day} = (\text{lbs SMC/BMC used/day}) (\text{daily volume weighted } \% \text{ HAP}) (\text{EF})$

where:

$\text{daily volume weighted } \% \text{ HAP} = \text{daily volume weighted } \% \text{ HAP employed in the press; and}$

$\text{EF} = \text{emission factor, which is 2\% of the available HAP as documented in Table 5.2 of the background information document for the MACT, or the most recent factor should that factor be updated.}$

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

1.b Emission Limitation:

VOC/HAP emissions shall not exceed 2.6 tons per year.

Applicable Compliance Method:

Compliance with the annual limit shall be determined by summing the daily VOC/HAP emissions determined in section A.V.1.a for each day of the calendar year, and then dividing by 2000 lbs per ton.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

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: Thermoset Compression Mold Press No. 42 (P018)
Activity Description: Close FRP Molding Presses Used For Molding Plastic Parts From SMC & BMC

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>
Emissions unit P018 is thermoset mold compression press no. 42.	OAC rule 3745-31-05(A)(3) (PTI 02-22186 effective November 14, 2006)	Volatile organic compound/hazardous air pollutant (VOC/HAP) emissions shall not exceed 14.2 lbs per day and 2.6 tons per year.
	40 CFR Part 63, Subpart WWWW	See section A.II.1 below and the applicable sections in Part II, sections A.2 through A.14.

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The permittee shall uncover, unwrap or expose only one charge per mold cycle per compression/injection molding machine. For machines with multiple molds, one charge means sufficient material to fill all molds per one cycle. For machines with robotic loaders, no more than one charge may be exposed prior to the loader. For machines fed by hoppers, sufficient material may be uncovered to fill the hopper. Hoppers must be closed when not adding materials. Materials may be uncovered to feed to slitting machines. Materials must be recovered after slitting.

(Authority for term: 40 CFR 63.5835, Table 4 of 40 CFR Part 63, Subpart WWWW and PTI 02-22186)

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect the following information each day:
 - a. the identification of each mold compound employed in this emissions unit;
 - b. the weight of each mold compound employed in this emissions unit, in pounds; and
 - c. the percent of VOC/HAP, by weight, in each such mold compound.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

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

2. The permittee shall conduct daily inspections of this emissions unit and maintain a log of these inspections. The log shall include the compliance status of the work practice standard identified in section A.II.1 and shall include the following information:
 - a. whether the emissions unit was in operation;
 - b. whether the permittee uncovered, unwrapped or exposed more than one charge per mold cycle per compression/injection molding machine as specified in section A.II.1; and
 - c. information on the duration and cause of each deviation and the corrective action taken.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

3. The permittee has demonstrated compliance with the requirements specified in section A.II.1 if the permittee maintains a certified statement that only one charge is uncovered, unwrapped or exposed per mold cycle per compression/injection molding machine, or prior to the loader, hoppers are closed except when adding materials and materials are recovered after slitting.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR 63.5835, Table 4 of 40 CFR Part 63, Subpart WWWW and PTI 02-22186)

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day during which more than 14.2 lbs of VOC/HAP were emitted and the amount of VOC/HAP that was emitted during each such day.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

2. The deviation reports pursuant to the record keeping requirements specified in section A.III.2 shall be submitted in accordance with the requirements specified in Part II, section A.11.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR 63.5910(g) and PTI 02-22186)

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:

V. Testing Requirements (continued)

1.a Emission Limitation:

VOC/HAP emissions shall not exceed 14.2 lbs per day.

Applicable Compliance Method:

Compliance shall be determined by either (i) summing the HAPs emissions for each individual SMC/BMC compound employed in this emissions unit or (ii) by calculating the daily volume-weighted HAP content of all the compounds employed and then calculating the emissions as described below:

i. $\text{lbs HAP/day} = \text{the summation of the products of (lbs SMC/BMC used/day) (\%HAP) (EF) for } i = 1 \text{ through } r$

where:

$\% \text{ HAP} = \% \text{ HAP, by weight, employed in the press;}$

$\text{EF} = \text{emission factor, which is 2\% of the available HAP as documented in Table 5.2 of the background information document for the MACT, or the most recent factor should that factor be updated;}$

$i = \text{a specific SMC/BMC material employed during the day; and}$

$n = \text{total number of SMC/BMC materials employed during the day.}$

or

ii. $\text{lbs HAP/day} = (\text{lbs SMC/BMC used/day}) (\text{daily volume weighted } \% \text{ HAP}) (\text{EF})$

where:

$\text{daily volume weighted } \% \text{ HAP} = \text{daily volume weighted } \% \text{ HAP employed in the press; and}$

$\text{EF} = \text{emission factor, which is 2\% of the available HAP as documented in Table 5.2 of the background information document for the MACT, or the most recent factor should that factor be updated.}$

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

1.b Emission Limitation:

VOC/HAP emissions shall not exceed 2.6 tons per year.

Applicable Compliance Method:

Compliance with the annual limit shall be determined by summing the daily VOC/HAP emissions determined in section A.V.1.a for each day of the calendar year, and then dividing by 2000 lbs per ton.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

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: Thermoset Compression Mold Press No. 43 (P019)
Activity Description: Close FRP Molding Presses Used For Molding Plastic Parts From SMC & BMC

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>
Emissions unit P019 is thermoset mold compression press no. 43.	OAC rule 3745-31-05(A)(3) (PTI 02-22186 effective November 14, 2006)	Volatile organic compound/hazardous air pollutant (VOC/HAP) emissions shall not exceed 14.2 lbs per day and 2.6 tons per year.
	40 CFR Part 63, Subpart WWWW	See section A.II.1 below and the applicable sections in Part II, sections A.2 through A.14.

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The permittee shall uncover, unwrap or expose only one charge per mold cycle per compression/injection molding machine. For machines with multiple molds, one charge means sufficient material to fill all molds per one cycle. For machines with robotic loaders, no more than one charge may be exposed prior to the loader. For machines fed by hoppers, sufficient material may be uncovered to fill the hopper. Hoppers must be closed when not adding materials. Materials may be uncovered to feed to slitting machines. Materials must be recovered after slitting.

(Authority for term: 40 CFR 63.5835, Table 4 of 40 CFR Part 63, Subpart WWWW and PTI 02-22186)

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect the following information each day:
 - a. the identification of each mold compound employed in this emissions unit;
 - b. the weight of each mold compound employed in this emissions unit, in pounds; and
 - c. the percent of VOC/HAP, by weight, in each such mold compound.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

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

2. The permittee shall conduct daily inspections of this emissions unit and maintain a log of these inspections. The log shall include the compliance status of the work practice standard identified in section A.II.1 and shall include the following information:
 - a. whether the emissions unit was in operation;
 - b. whether the permittee uncovered, unwrapped or exposed more than one charge per mold cycle per compression/injection molding machine as specified in section A.II.1; and
 - c. information on the duration and cause of each deviation and the corrective action taken.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

3. The permittee has demonstrated compliance with the requirements specified in section A.II.1 if the permittee maintains a certified statement that only one charge is uncovered, unwrapped or exposed per mold cycle per compression/injection molding machine, or prior to the loader, hoppers are closed except when adding materials and materials are recovered after slitting.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR 63.5835, Table 4 of 40 CFR Part 63, Subpart WWWW and PTI 02-22186)

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day during which more than 14.2 lbs of VOC/HAP were emitted and the amount of VOC/HAP that was emitted during each such day.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

2. The deviation reports pursuant to the record keeping requirements specified in section A.III.2 shall be submitted in accordance with the requirements specified in Part II, section A.11.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR 63.5910(g) and PTI 02-22186)

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:

V. Testing Requirements (continued)

1.a Emission Limitation:

VOC/HAP emissions shall not exceed 14.2 lbs per day.

Applicable Compliance Method:

Compliance shall be determined by either (i) summing the HAPs emissions for each individual SMC/BMC compound employed in this emissions unit or (ii) by calculating the daily volume-weighted HAP content of all the compounds employed and then calculating the emissions as described below:

i. $\text{lbs HAP/day} = \text{the summation of the products of (lbs SMC/BMC used/day) (\%HAP) (EF) for } i = 1 \text{ through } r$

where:

$\% \text{ HAP} = \% \text{ HAP, by weight, employed in the press;}$

$\text{EF} = \text{emission factor, which is 2\% of the available HAP as documented in Table 5.2 of the background information document for the MACT, or the most recent factor should that factor be updated;}$

$i = \text{a specific SMC/BMC material employed during the day; and}$

$n = \text{total number of SMC/BMC materials employed during the day.}$

or

ii. $\text{lbs HAP/day} = (\text{lbs SMC/BMC used/day}) (\text{daily volume weighted } \% \text{ HAP}) (\text{EF})$

where:

$\text{daily volume weighted } \% \text{ HAP} = \text{daily volume weighted } \% \text{ HAP employed in the press; and}$

$\text{EF} = \text{emission factor, which is 2\% of the available HAP as documented in Table 5.2 of the background information document for the MACT, or the most recent factor should that factor be updated.}$

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

1.b Emission Limitation:

VOC/HAP emissions shall not exceed 2.6 tons per year.

Applicable Compliance Method:

Compliance with the annual limit shall be determined by summing the daily VOC/HAP emissions determined in section A.V.1.a for each day of the calendar year, and then dividing by 2000 lbs per ton.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

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: Thermoset Compression Mold Press No. 44 (P020)
Activity Description: Close FRP Molding Presses Used For Molding Plastic Parts From SMC & BMC

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>
Emissions unit P020 is thermoset mold compression press no. 44.	OAC rule 3745-31-05(A)(3) (PTI 02-22186 effective November 14, 2006)	Volatile organic compound/hazardous air pollutant (VOC/HAP) emissions shall not exceed 14.2 lbs per day and 2.6 tons per year.
	40 CFR Part 63, Subpart WWWW	See section A.II.1 below and the applicable sections in Part II, sections A.2 through A.14.

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The permittee shall uncover, unwrap or expose only one charge per mold cycle per compression/injection molding machine. For machines with multiple molds, one charge means sufficient material to fill all molds per one cycle. For machines with robotic loaders, no more than one charge may be exposed prior to the loader. For machines fed by hoppers, sufficient material may be uncovered to fill the hopper. Hoppers must be closed when not adding materials. Materials may be uncovered to feed to slitting machines. Materials must be recovered after slitting.

(Authority for term: 40 CFR 63.5835, Table 4 of 40 CFR Part 63, Subpart WWWW and PTI 02-22186)

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect the following information each day:
 - a. the identification of each mold compound employed in this emissions unit;
 - b. the weight of each mold compound employed in this emissions unit, in pounds; and
 - c. the percent of VOC/HAP, by weight, in each such mold compound.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

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

2. The permittee shall conduct daily inspections of this emissions unit and maintain a log of these inspections. The log shall include the compliance status of the work practice standard identified in section A.II.1 and shall include the following information:
 - a. whether the emissions unit was in operation;
 - b. whether the permittee uncovered, unwrapped or exposed more than one charge per mold cycle per compression/injection molding machine as specified in section A.II.1; and
 - c. information on the duration and cause of each deviation and the corrective action taken.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

3. The permittee has demonstrated compliance with the requirements specified in section A.II.1 if the permittee maintains a certified statement that only one charge is uncovered, unwrapped or exposed per mold cycle per compression/injection molding machine, or prior to the loader, hoppers are closed except when adding materials and materials are recovered after slitting.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR 63.5835, Table 4 of 40 CFR Part 63, Subpart WWWW and PTI 02-22186)

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day during which more than 14.2 lbs of VOC/HAP were emitted and the amount of VOC/HAP that was emitted during each such day.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

2. The deviation reports pursuant to the record keeping requirements specified in section A.III.2 shall be submitted in accordance with the requirements specified in Part II, section A.11.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR 63.5910(g) and PTI 02-22186)

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:

V. Testing Requirements (continued)

1.a Emission Limitation:

VOC/HAP emissions shall not exceed 14.2 lbs per day.

Applicable Compliance Method:

Compliance shall be determined by either (i) summing the HAPs emissions for each individual SMC/BMC compound employed in this emissions unit or (ii) by calculating the daily volume-weighted HAP content of all the compounds employed and then calculating the emissions as described below:

i. $\text{lbs HAP/day} = \text{the summation of the products of (lbs SMC/BMC used/day) (\%HAP) (EF) for } i = 1 \text{ through } r$

where:

$\% \text{ HAP} = \% \text{ HAP, by weight, employed in the press;}$

$\text{EF} = \text{emission factor, which is 2\% of the available HAP as documented in Table 5.2 of the background information document for the MACT, or the most recent factor should that factor be updated;}$

$i = \text{a specific SMC/BMC material employed during the day; and}$

$n = \text{total number of SMC/BMC materials employed during the day.}$

or

ii. $\text{lbs HAP/day} = (\text{lbs SMC/BMC used/day}) (\text{daily volume weighted } \% \text{ HAP}) (\text{EF})$

where:

$\text{daily volume weighted } \% \text{ HAP} = \text{daily volume weighted } \% \text{ HAP employed in the press; and}$

$\text{EF} = \text{emission factor, which is 2\% of the available HAP as documented in Table 5.2 of the background information document for the MACT, or the most recent factor should that factor be updated.}$

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

1.b Emission Limitation:

VOC/HAP emissions shall not exceed 2.6 tons per year.

Applicable Compliance Method:

Compliance with the annual limit shall be determined by summing the daily VOC/HAP emissions determined in section A.V.1.a for each day of the calendar year, and then dividing by 2000 lbs per ton.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

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: Thermoset Compression Mold Press No. 45 (P021)
Activity Description: Close FRP Molding Presses Used For Molding Plastic Parts From SMC & BMC

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>
Emissions unit P021 is thermoset mold compression press no. 45.	OAC rule 3745-31-05(A)(3) (PTI 02-22186 effective November 14, 2006)	Volatile organic compound/hazardous air pollutant (VOC/HAP) emissions shall not exceed 40 lbs per day and 7.3 tons per year.
	40 CFR Part 63, Subpart WWWW	See section A.II.1 below and the applicable sections in Part II, sections A.2 through A.14.

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The permittee shall uncover, unwrap or expose only one charge per mold cycle per compression/injection molding machine. For machines with multiple molds, one charge means sufficient material to fill all molds per one cycle. For machines with robotic loaders, no more than one charge may be exposed prior to the loader. For machines fed by hoppers, sufficient material may be uncovered to fill the hopper. Hoppers must be closed when not adding materials. Materials may be uncovered to feed to slitting machines. Materials must be recovered after slitting.

(Authority for term: 40 CFR 63.5835, Table 4 of 40 CFR Part 63, Subpart WWWW and PTI 02-22186)

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect the following information each day:
 - a. the identification of each mold compound employed in this emissions unit;
 - b. the weight of each mold compound employed in this emissions unit, in pounds; and
 - c. the percent of VOC/HAP, by weight, in each such mold compound.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

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

2. The permittee shall conduct daily inspections of this emissions unit and maintain a log of these inspections. The log shall include the compliance status of the work practice standard identified in section A.II.1 and shall include the following information:
 - a. whether the emissions unit was in operation;
 - b. whether the permittee uncovered, unwrapped or exposed more than one charge per mold cycle per compression/injection molding machine as specified in section A.II.1; and
 - c. information on the duration and cause of each deviation and the corrective action taken.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

3. The permittee has demonstrated compliance with the requirements specified in section A.II.1 if the permittee maintains a certified statement that only one charge is uncovered, unwrapped or exposed per mold cycle per compression/injection molding machine, or prior to the loader, hoppers are closed except when adding materials and materials are recovered after slitting.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR 63.5835, Table 4 of 40 CFR Part 63, Subpart WWWW and PTI 02-22186)

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day during which more than 40 lbs of VOC/HAP were emitted and the amount of VOC/HAP that was emitted during each such day.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

2. The deviation reports pursuant to the record keeping requirements specified in section A.III.2 shall be submitted in accordance with the requirements specified in Part II, section A.11.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR 63.5910(g) and PTI 02-22186)

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:

V. Testing Requirements (continued)

1.a Emission Limitation:

VOC/HAP emissions shall not exceed 40 lbs per day.

Applicable Compliance Method:

Compliance shall be determined by either (i) summing the HAPs emissions for each individual SMC/BMC compound employed in this emissions unit or (ii) by calculating the daily volume-weighted HAP content of all the compounds employed and then calculating the emissions as described below:

i. $\text{lbs HAP/day} = \text{the summation of the products of (lbs SMC/BMC used/day) (\%HAP) (EF) for } i = 1 \text{ through } r$

where:

$\% \text{ HAP} = \% \text{ HAP, by weight, employed in the press;}$

$\text{EF} = \text{emission factor, which is 2\% of the available HAP as documented in Table 5.2 of the background information document for the MACT, or the most recent factor should that factor be updated;}$

$i = \text{a specific SMC/BMC material employed during the day; and}$

$n = \text{total number of SMC/BMC materials employed during the day.}$

or

ii. $\text{lbs HAP/day} = (\text{lbs SMC/BMC used/day}) (\text{daily volume weighted } \% \text{ HAP}) (\text{EF})$

where:

$\text{daily volume weighted } \% \text{ HAP} = \text{daily volume weighted } \% \text{ HAP employed in the press; and}$

$\text{EF} = \text{emission factor, which is 2\% of the available HAP as documented in Table 5.2 of the background information document for the MACT, or the most recent factor should that factor be updated.}$

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

1.b Emission Limitation:

VOC/HAP emissions shall not exceed 7.3 tons per year.

Applicable Compliance Method:

Compliance with the annual limit shall be determined by summing the daily VOC/HAP emissions determined in section A.V.1.a for each day of the calendar year, and then dividing by 2000 lbs per ton.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

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: Thermoset Compression Mold Press No. 47 (P022)
Activity Description: Close FRP Molding Presses Used For Molding Plastic Parts From SMC & BMC

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>
Emissions unit P022 is thermoset mold compression press no. 47.	OAC rule 3745-31-05(A)(3) (PTI 02-22186 effective November 14, 2006)	Volatile organic compound/hazardous air pollutant (VOC/HAP) emissions shall not exceed 40 lbs per day and 7.3 tons per year.
	40 CFR Part 63, Subpart WWWW	See section A.II.1 below and the applicable sections in Part II, sections A.2 through A.14.

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The permittee shall uncover, unwrap or expose only one charge per mold cycle per compression/injection molding machine. For machines with multiple molds, one charge means sufficient material to fill all molds per one cycle. For machines with robotic loaders, no more than one charge may be exposed prior to the loader. For machines fed by hoppers, sufficient material may be uncovered to fill the hopper. Hoppers must be closed when not adding materials. Materials may be uncovered to feed to slitting machines. Materials must be recovered after slitting.

(Authority for term: 40 CFR 63.5835, Table 4 of 40 CFR Part 63, Subpart WWWW and PTI 02-22186)

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect the following information each day:
 - a. the identification of each mold compound employed in this emissions unit;
 - b. the weight of each mold compound employed in this emissions unit, in pounds; and
 - c. the percent of VOC/HAP, by weight, in each such mold compound.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

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

2. The permittee shall conduct daily inspections of this emissions unit and maintain a log of these inspections. The log shall include the compliance status of the work practice standard identified in section A.II.1 and shall include the following information:
 - a. whether the emissions unit was in operation;
 - b. whether the permittee uncovered, unwrapped or exposed more than one charge per mold cycle per compression/injection molding machine as specified in section A.II.1; and
 - c. information on the duration and cause of each deviation and the corrective action taken.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

3. The permittee has demonstrated compliance with the requirements specified in section A.II.1 if the permittee maintains a certified statement that only one charge is uncovered, unwrapped or exposed per mold cycle per compression/injection molding machine, or prior to the loader, hoppers are closed except when adding materials and materials are recovered after slitting.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR 63.5835, Table 4 of 40 CFR Part 63, Subpart WWWW and PTI 02-22186)

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day during which more than 40 lbs of VOC/HAP were emitted and the amount of VOC/HAP that was emitted during each such day.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

2. The deviation reports pursuant to the record keeping requirements specified in section A.III.2 shall be submitted in accordance with the requirements specified in Part II, section A.11.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR 63.5910(g) and PTI 02-22186)

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:

V. Testing Requirements (continued)

1.a Emission Limitation:

VOC/HAP emissions shall not exceed 40 lbs per day.

Applicable Compliance Method:

Compliance shall be determined by either (i) summing the HAPs emissions for each individual SMC/BMC compound employed in this emissions unit or (ii) by calculating the daily volume-weighted HAP content of all the compounds employed and then calculating the emissions as described below:

i. $\text{lbs HAP/day} = \text{the summation of the products of (lbs SMC/BMC used/day) (\%HAP) (EF) for } i = 1 \text{ through } r$

where:

$\% \text{ HAP} = \% \text{ HAP, by weight, employed in the press;}$

$\text{EF} = \text{emission factor, which is 2\% of the available HAP as documented in Table 5.2 of the background information document for the MACT, or the most recent factor should that factor be updated;}$

$i = \text{a specific SMC/BMC material employed during the day; and}$

$n = \text{total number of SMC/BMC materials employed during the day.}$

or

ii. $\text{lbs HAP/day} = (\text{lbs SMC/BMC used/day}) (\text{daily volume weighted } \% \text{ HAP}) (\text{EF})$

where:

$\text{daily volume weighted } \% \text{ HAP} = \text{daily volume weighted } \% \text{ HAP employed in the press; and}$

$\text{EF} = \text{emission factor, which is 2\% of the available HAP as documented in Table 5.2 of the background information document for the MACT, or the most recent factor should that factor be updated.}$

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

1.b Emission Limitation:

VOC/HAP emissions shall not exceed 7.3 tons per year.

Applicable Compliance Method:

Compliance with the annual limit shall be determined by summing the daily VOC/HAP emissions determined in section A.V.1.a for each day of the calendar year, and then dividing by 2000 lbs per ton.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

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: Thermoset Compression Mold Press No. 48 (P023)
Activity Description: Close FRP Molding Presses Used For Molding Plastic Parts From SMC & BMC

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>
Emissions unit P023 is thermoset mold compression press no. 48.	OAC rule 3745-31-05(A)(3) (PTI 02-22186 effective November 14, 2006)	Volatile organic compound/hazardous air pollutant (VOC/HAP) emissions shall not exceed 14.2 lbs per day and 2.6 tons per year.
	40 CFR Part 63, Subpart WWWW	See section A.II.1 below and the applicable sections in Part II, sections A.2 through A.14.

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The permittee shall uncover, unwrap or expose only one charge per mold cycle per compression/injection molding machine. For machines with multiple molds, one charge means sufficient material to fill all molds per one cycle. For machines with robotic loaders, no more than one charge may be exposed prior to the loader. For machines fed by hoppers, sufficient material may be uncovered to fill the hopper. Hoppers must be closed when not adding materials. Materials may be uncovered to feed to slitting machines. Materials must be recovered after slitting.

(Authority for term: 40 CFR 63.5835, Table 4 of 40 CFR Part 63, Subpart WWWW and PTI 02-22186)

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect the following information each day:
 - a. the identification of each mold compound employed in this emissions unit;
 - b. the weight of each mold compound employed in this emissions unit, in pounds; and
 - c. the percent of VOC/HAP, by weight, in each such mold compound.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

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

2. The permittee shall conduct daily inspections of this emissions unit and maintain a log of these inspections. The log shall include the compliance status of the work practice standard identified in section A.II.1 and shall include the following information:
 - a. whether the emissions unit was in operation;
 - b. whether the permittee uncovered, unwrapped or exposed more than one charge per mold cycle per compression/injection molding machine as specified in section A.II.1; and
 - c. information on the duration and cause of each deviation and the corrective action taken.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

3. The permittee has demonstrated compliance with the requirements specified in section A.II.1 if the permittee maintains a certified statement that only one charge is uncovered, unwrapped or exposed per mold cycle per compression/injection molding machine, or prior to the loader, hoppers are closed except when adding materials and materials are recovered after slitting.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR 63.5835, Table 4 of 40 CFR Part 63, Subpart WWWW and PTI 02-22186)

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day during which more than 14.2 lbs of VOC/HAP were emitted and the amount of VOC/HAP that was emitted during each such day.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

2. The deviation reports pursuant to the record keeping requirements specified in section A.III.2 shall be submitted in accordance with the requirements specified in Part II, section A.11.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR 63.5910(g) and PTI 02-22186)

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:

V. Testing Requirements (continued)

1.a Emission Limitation:

VOC/HAP emissions shall not exceed 14.2 lbs per day.

Applicable Compliance Method:

Compliance shall be determined by either (i) summing the HAPs emissions for each individual SMC/BMC compound employed in this emissions unit or (ii) by calculating the daily volume-weighted HAP content of all the compounds employed and then calculating the emissions as described below:

i. $\text{lbs HAP/day} = \text{the summation of the products of (lbs SMC/BMC used/day) (\%HAP) (EF) for } i = 1 \text{ through } r$

where:

$\% \text{ HAP} = \% \text{ HAP, by weight, employed in the press;}$

$\text{EF} = \text{emission factor, which is 2\% of the available HAP as documented in Table 5.2 of the background information document for the MACT, or the most recent factor should that factor be updated;}$

$i = \text{a specific SMC/BMC material employed during the day; and}$

$n = \text{total number of SMC/BMC materials employed during the day.}$

or

ii. $\text{lbs HAP/day} = (\text{lbs SMC/BMC used/day}) (\text{daily volume weighted } \% \text{ HAP}) (\text{EF})$

where:

$\text{daily volume weighted } \% \text{ HAP} = \text{daily volume weighted } \% \text{ HAP employed in the press; and}$

$\text{EF} = \text{emission factor, which is 2\% of the available HAP as documented in Table 5.2 of the background information document for the MACT, or the most recent factor should that factor be updated.}$

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

1.b Emission Limitation:

VOC/HAP emissions shall not exceed 2.6 tons per year.

Applicable Compliance Method:

Compliance with the annual limit shall be determined by summing the daily VOC/HAP emissions determined in section A.V.1.a for each day of the calendar year, and then dividing by 2000 lbs per ton.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

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: Thermoset Compression Mold Press No. 49 (P024)
Activity Description: Close FRP Molding Presses Used For Molding Plastic Parts From SMC & BMC

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>
Emissions unit P024 is thermoset mold compression press no. 49.	OAC rule 3745-31-05(A)(3) (PTI 02-22186 effective November 14, 2006)	Volatile organic compound/hazardous air pollutant (VOC/HAP) emissions shall not exceed 40 lbs per day and 7.3 tons per year.
	40 CFR Part 63, Subpart WWWW	See section A.II.1 below and the applicable sections in Part II, sections A.2 through A.14.

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The permittee shall uncover, unwrap or expose only one charge per mold cycle per compression/injection molding machine. For machines with multiple molds, one charge means sufficient material to fill all molds per one cycle. For machines with robotic loaders, no more than one charge may be exposed prior to the loader. For machines fed by hoppers, sufficient material may be uncovered to fill the hopper. Hoppers must be closed when not adding materials. Materials may be uncovered to feed to slitting machines. Materials must be recovered after slitting.

(Authority for term: 40 CFR 63.5835, Table 4 of 40 CFR Part 63, Subpart WWWW and PTI 02-22186)

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect the following information each day:
 - a. the identification of each mold compound employed in this emissions unit;
 - b. the weight of each mold compound employed in this emissions unit, in pounds; and
 - c. the percent of VOC/HAP, by weight, in each such mold compound.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

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

2. The permittee shall conduct daily inspections of this emissions unit and maintain a log of these inspections. The log shall include the compliance status of the work practice standard identified in section A.II.1 and shall include the following information:
 - a. whether the emissions unit was in operation;
 - b. whether the permittee uncovered, unwrapped or exposed more than one charge per mold cycle per compression/injection molding machine as specified in section A.II.1; and
 - c. information on the duration and cause of each deviation and the corrective action taken.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

3. The permittee has demonstrated compliance with the requirements specified in section A.II.1 if the permittee maintains a certified statement that only one charge is uncovered, unwrapped or exposed per mold cycle per compression/injection molding machine, or prior to the loader, hoppers are closed except when adding materials and materials are recovered after slitting.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR 63.5835, Table 4 of 40 CFR Part 63, Subpart WWWW and PTI 02-22186)

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day during which more than 40 lbs of VOC/HAP were emitted and the amount of VOC/HAP that was emitted during each such day.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

2. The deviation reports pursuant to the record keeping requirements specified in section A.III.2 shall be submitted in accordance with the requirements specified in Part II, section A.11.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR 63.5910(g) and PTI 02-22186)

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:

V. Testing Requirements (continued)

1.a Emission Limitation:

VOC/HAP emissions shall not exceed 40 lbs per day.

Applicable Compliance Method:

Compliance shall be determined by either (i) summing the HAPs emissions for each individual SMC/BMC compound employed in this emissions unit or (ii) by calculating the daily volume-weighted HAP content of all the compounds employed and then calculating the emissions as described below:

i. $\text{lbs HAP/day} = \text{the summation of the products of (lbs SMC/BMC used/day) (\%HAP) (EF) for } i = 1 \text{ through } r$

where:

$\% \text{ HAP} = \% \text{ HAP, by weight, employed in the press;}$

$\text{EF} = \text{emission factor, which is 2\% of the available HAP as documented in Table 5.2 of the background information document for the MACT, or the most recent factor should that factor be updated;}$

$i = \text{a specific SMC/BMC material employed during the day; and}$

$n = \text{total number of SMC/BMC materials employed during the day.}$

or

ii. $\text{lbs HAP/day} = (\text{lbs SMC/BMC used/day}) (\text{daily volume weighted } \% \text{ HAP}) (\text{EF})$

where:

$\text{daily volume weighted } \% \text{ HAP} = \text{daily volume weighted } \% \text{ HAP employed in the press; and}$

$\text{EF} = \text{emission factor, which is 2\% of the available HAP as documented in Table 5.2 of the background information document for the MACT, or the most recent factor should that factor be updated.}$

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

1.b Emission Limitation:

VOC/HAP emissions shall not exceed 7.3 tons per year.

Applicable Compliance Method:

Compliance with the annual limit shall be determined by summing the daily VOC/HAP emissions determined in section A.V.1.a for each day of the calendar year, and then dividing by 2000 lbs per ton.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

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: Thermoset Compression Mold Press No. 50 (P025)
Activity Description: Close FRP Molding Presses Used For Molding Plastic Parts From SMC & BMC

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>
Emissions unit P025 is thermoset mold compression press no. 50.	OAC rule 3745-31-05(A)(3) (PTI 02-22186 effective November 14, 2006)	Volatile organic compound/hazardous air pollutant (VOC/HAP) emissions shall not exceed 40 lbs per day and 7.3 tons per year.
	40 CFR Part 63, Subpart WWWW	See section A.II.1 below and the applicable sections in Part II, sections A.2 through A.14.

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The permittee shall uncover, unwrap or expose only one charge per mold cycle per compression/injection molding machine. For machines with multiple molds, one charge means sufficient material to fill all molds per one cycle. For machines with robotic loaders, no more than one charge may be exposed prior to the loader. For machines fed by hoppers, sufficient material may be uncovered to fill the hopper. Hoppers must be closed when not adding materials. Materials may be uncovered to feed to slitting machines. Materials must be recovered after slitting.

(Authority for term: 40 CFR 63.5835, Table 4 of 40 CFR Part 63, Subpart WWWW and PTI 02-22186)

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect the following information each day:
 - a. the identification of each mold compound employed in this emissions unit;
 - b. the weight of each mold compound employed in this emissions unit, in pounds; and
 - c. the percent of VOC/HAP, by weight, in each such mold compound.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

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

2. The permittee shall conduct daily inspections of this emissions unit and maintain a log of these inspections. The log shall include the compliance status of the work practice standard identified in section A.II.1 and shall include the following information:
 - a. whether the emissions unit was in operation;
 - b. whether the permittee uncovered, unwrapped or exposed more than one charge per mold cycle per compression/injection molding machine as specified in section A.II.1; and
 - c. information on the duration and cause of each deviation and the corrective action taken.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

3. The permittee has demonstrated compliance with the requirements specified in section A.II.1 if the permittee maintains a certified statement that only one charge is uncovered, unwrapped or exposed per mold cycle per compression/injection molding machine, or prior to the loader, hoppers are closed except when adding materials and materials are recovered after slitting.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR 63.5835, Table 4 of 40 CFR Part 63, Subpart WWWW and PTI 02-22186)

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day during which more than 40 lbs of VOC/HAP were emitted and the amount of VOC/HAP that was emitted during each such day.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

2. The deviation reports pursuant to the record keeping requirements specified in section A.III.2 shall be submitted in accordance with the requirements specified in Part II, section A.11.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR 63.5910(g) and PTI 02-22186)

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:

V. Testing Requirements (continued)

1.a Emission Limitation:

VOC/HAP emissions shall not exceed 40 lbs per day.

Applicable Compliance Method:

Compliance shall be determined by either (i) summing the HAPs emissions for each individual SMC/BMC compound employed in this emissions unit or (ii) by calculating the daily volume-weighted HAP content of all the compounds employed and then calculating the emissions as described below:

i. $\text{lbs HAP/day} = \text{the summation of the products of (lbs SMC/BMC used/day) (\%HAP) (EF) for } i = 1 \text{ through } r$

where:

$\% \text{ HAP} = \% \text{ HAP, by weight, employed in the press;}$

$\text{EF} = \text{emission factor, which is 2\% of the available HAP as documented in Table 5.2 of the background information document for the MACT, or the most recent factor should that factor be updated;}$

$i = \text{a specific SMC/BMC material employed during the day; and}$

$n = \text{total number of SMC/BMC materials employed during the day.}$

or

ii. $\text{lbs HAP/day} = (\text{lbs SMC/BMC used/day}) (\text{daily volume weighted } \% \text{ HAP}) (\text{EF})$

where:

$\text{daily volume weighted } \% \text{ HAP} = \text{daily volume weighted } \% \text{ HAP employed in the press; and}$

$\text{EF} = \text{emission factor, which is 2\% of the available HAP as documented in Table 5.2 of the background information document for the MACT, or the most recent factor should that factor be updated.}$

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

1.b Emission Limitation:

VOC/HAP emissions shall not exceed 7.3 tons per year.

Applicable Compliance Method:

Compliance with the annual limit shall be determined by summing the daily VOC/HAP emissions determined in section A.V.1.a for each day of the calendar year, and then dividing by 2000 lbs per ton.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

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: Thermoset Compression Mold Press No. 51 (P026)
Activity Description: Close FRP Molding Presses Used For Molding Plastic Parts From SMC & BMC

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>
Emissions unit P026 is thermoset mold compression press no. 51.	OAC rule 3745-31-05(A)(3) (PTI 02-22186 effective November 14, 2006)	Volatile organic compound/hazardous air pollutant (VOC/HAP) emissions shall not exceed 40 lbs per day and 7.3 tons per year.
	40 CFR Part 63, Subpart WWWW	See section A.II.1 below and the applicable sections in Part II, sections A.2 through A.14.

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The permittee shall uncover, unwrap or expose only one charge per mold cycle per compression/injection molding machine. For machines with multiple molds, one charge means sufficient material to fill all molds per one cycle. For machines with robotic loaders, no more than one charge may be exposed prior to the loader. For machines fed by hoppers, sufficient material may be uncovered to fill the hopper. Hoppers must be closed when not adding materials. Materials may be uncovered to feed to slitting machines. Materials must be recovered after slitting.

(Authority for term: 40 CFR 63.5835, Table 4 of 40 CFR Part 63, Subpart WWWW and PTI 02-22186)

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect the following information each day:
 - a. the identification of each mold compound employed in this emissions unit;
 - b. the weight of each mold compound employed in this emissions unit, in pounds; and
 - c. the percent of VOC/HAP, by weight, in each such mold compound.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

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

2. The permittee shall conduct daily inspections of this emissions unit and maintain a log of these inspections. The log shall include the compliance status of the work practice standard identified in section A.II.1 and shall include the following information:
 - a. whether the emissions unit was in operation;
 - b. whether the permittee uncovered, unwrapped or exposed more than one charge per mold cycle per compression/injection molding machine as specified in section A.II.1; and
 - c. information on the duration and cause of each deviation and the corrective action taken.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

3. The permittee has demonstrated compliance with the requirements specified in section A.II.1 if the permittee maintains a certified statement that only one charge is uncovered, unwrapped or exposed per mold cycle per compression/injection molding machine, or prior to the loader, hoppers are closed except when adding materials and materials are recovered after slitting.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR 63.5835, Table 4 of 40 CFR Part 63, Subpart WWWW and PTI 02-22186)

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day during which more than 40 lbs of VOC/HAP were emitted and the amount of VOC/HAP that was emitted during each such day.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

2. The deviation reports pursuant to the record keeping requirements specified in section A.III.2 shall be submitted in accordance with the requirements specified in Part II, section A.11.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR 63.5910(g) and PTI 02-22186)

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:

V. Testing Requirements (continued)

1.a Emission Limitation:

VOC/HAP emissions shall not exceed 40 lbs per day.

Applicable Compliance Method:

Compliance shall be determined by either (i) summing the HAPs emissions for each individual SMC/BMC compound employed in this emissions unit or (ii) by calculating the daily volume-weighted HAP content of all the compounds employed and then calculating the emissions as described below:

i. $\text{lbs HAP/day} = \text{the summation of the products of (lbs SMC/BMC used/day) (\%HAP) (EF) for } i = 1 \text{ through } r$

where:

$\% \text{ HAP} = \% \text{ HAP, by weight, employed in the press;}$

$\text{EF} = \text{emission factor, which is 2\% of the available HAP as documented in Table 5.2 of the background information document for the MACT, or the most recent factor should that factor be updated;}$

$i = \text{a specific SMC/BMC material employed during the day; and}$

$n = \text{total number of SMC/BMC materials employed during the day.}$

or

ii. $\text{lbs HAP/day} = (\text{lbs SMC/BMC used/day}) (\text{daily volume weighted } \% \text{ HAP}) (\text{EF})$

where:

$\text{daily volume weighted } \% \text{ HAP} = \text{daily volume weighted } \% \text{ HAP employed in the press; and}$

$\text{EF} = \text{emission factor, which is 2\% of the available HAP as documented in Table 5.2 of the background information document for the MACT, or the most recent factor should that factor be updated.}$

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

1.b Emission Limitation:

VOC/HAP emissions shall not exceed 7.3 tons per year.

Applicable Compliance Method:

Compliance with the annual limit shall be determined by summing the daily VOC/HAP emissions determined in section A.V.1.a for each day of the calendar year, and then dividing by 2000 lbs per ton.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

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: Thermoset Compression Mold Press No. 52 (P027)
Activity Description: Close FRP Molding Presses Used For Molding Plastic Parts From SMC & BMC

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>
Emissions unit P027 is thermoset mold compression press no. 52.	OAC rule 3745-31-05(A)(3) (PTI 02-22186 effective November 14, 2006)	Volatile organic compound/hazardous air pollutant (VOC/HAP) emissions shall not exceed 40 lbs per day and 7.3 tons per year.
	40 CFR Part 63, Subpart WWWW	See section A.II.1 below and the applicable sections in Part II, sections A.2 through A.14.

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The permittee shall uncover, unwrap or expose only one charge per mold cycle per compression/injection molding machine. For machines with multiple molds, one charge means sufficient material to fill all molds per one cycle. For machines with robotic loaders, no more than one charge may be exposed prior to the loader. For machines fed by hoppers, sufficient material may be uncovered to fill the hopper. Hoppers must be closed when not adding materials. Materials may be uncovered to feed to slitting machines. Materials must be recovered after slitting.

(Authority for term: 40 CFR 63.5835, Table 4 of 40 CFR Part 63, Subpart WWWW and PTI 02-22186)

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect the following information each day:
 - a. the identification of each mold compound employed in this emissions unit;
 - b. the weight of each mold compound employed in this emissions unit, in pounds; and
 - c. the percent of VOC/HAP, by weight, in each such mold compound.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

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

2. The permittee shall conduct daily inspections of this emissions unit and maintain a log of these inspections. The log shall include the compliance status of the work practice standard identified in section A.II.1 and shall include the following information:
 - a. whether the emissions unit was in operation;
 - b. whether the permittee uncovered, unwrapped or exposed more than one charge per mold cycle per compression/injection molding machine as specified in section A.II.1; and
 - c. information on the duration and cause of each deviation and the corrective action taken.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

3. The permittee has demonstrated compliance with the requirements specified in section A.II.1 if the permittee maintains a certified statement that only one charge is uncovered, unwrapped or exposed per mold cycle per compression/injection molding machine, or prior to the loader, hoppers are closed except when adding materials and materials are recovered after slitting.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR 63.5835, Table 4 of 40 CFR Part 63, Subpart WWWW and PTI 02-22186)

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day during which more than 40 lbs of VOC/HAP were emitted and the amount of VOC/HAP that was emitted during each such day.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

2. The deviation reports pursuant to the record keeping requirements specified in section A.III.2 shall be submitted in accordance with the requirements specified in Part II, section A.11.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR 63.5910(g) and PTI 02-22186)

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:

V. Testing Requirements (continued)

1.a Emission Limitation:

VOC/HAP emissions shall not exceed 40 lbs per day.

Applicable Compliance Method:

Compliance shall be determined by either (i) summing the HAPs emissions for each individual SMC/BMC compound employed in this emissions unit or (ii) by calculating the daily volume-weighted HAP content of all the compounds employed and then calculating the emissions as described below:

i. $\text{lbs HAP/day} = \text{the summation of the products of (lbs SMC/BMC used/day) (\%HAP) (EF) for } i = 1 \text{ through } r$

where:

$\% \text{ HAP} = \% \text{ HAP, by weight, employed in the press;}$

$\text{EF} = \text{emission factor, which is 2\% of the available HAP as documented in Table 5.2 of the background information document for the MACT, or the most recent factor should that factor be updated;}$

$i = \text{a specific SMC/BMC material employed during the day; and}$

$n = \text{total number of SMC/BMC materials employed during the day.}$

or

ii. $\text{lbs HAP/day} = (\text{lbs SMC/BMC used/day}) (\text{daily volume weighted } \% \text{ HAP}) (\text{EF})$

where:

$\text{daily volume weighted } \% \text{ HAP} = \text{daily volume weighted } \% \text{ HAP employed in the press; and}$

$\text{EF} = \text{emission factor, which is 2\% of the available HAP as documented in Table 5.2 of the background information document for the MACT, or the most recent factor should that factor be updated.}$

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

1.b Emission Limitation:

VOC/HAP emissions shall not exceed 7.3 tons per year.

Applicable Compliance Method:

Compliance with the annual limit shall be determined by summing the daily VOC/HAP emissions determined in section A.V.1.a for each day of the calendar year, and then dividing by 2000 lbs per ton.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

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: Thermoset Compression Mold Press No. 53 (P028)
Activity Description: Close FRP Molding Presses Used For Molding Plastic Parts From SMC & BMC

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>
Emissions unit P028 is thermoset mold compression press no. 53.	OAC rule 3745-31-05(A)(3) (PTI 02-22186 effective November 14, 2006)	Volatile organic compound/hazardous air pollutant (VOC/HAP) emissions shall not exceed 14.2 lbs per day and 2.6 tons per year.
	40 CFR Part 63, Subpart WWWW	See section A.II.1 below and the applicable sections in Part II, sections A.2 through A.14.

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The permittee shall uncover, unwrap or expose only one charge per mold cycle per compression/injection molding machine. For machines with multiple molds, one charge means sufficient material to fill all molds per one cycle. For machines with robotic loaders, no more than one charge may be exposed prior to the loader. For machines fed by hoppers, sufficient material may be uncovered to fill the hopper. Hoppers must be closed when not adding materials. Materials may be uncovered to feed to slitting machines. Materials must be recovered after slitting.

(Authority for term: 40 CFR 63.5835, Table 4 of 40 CFR Part 63, Subpart WWWW and PTI 02-22186)

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect the following information each day:
 - a. the identification of each mold compound employed in this emissions unit;
 - b. the weight of each mold compound employed in this emissions unit, in pounds; and
 - c. the percent of VOC/HAP, by weight, in each such mold compound.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

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

2. The permittee shall conduct daily inspections of this emissions unit and maintain a log of these inspections. The log shall include the compliance status of the work practice standard identified in section A.II.1 and shall include the following information:
 - a. whether the emissions unit was in operation;
 - b. whether the permittee uncovered, unwrapped or exposed more than one charge per mold cycle per compression/injection molding machine as specified in section A.II.1; and
 - c. information on the duration and cause of each deviation and the corrective action taken.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

3. The permittee has demonstrated compliance with the requirements specified in section A.II.1 if the permittee maintains a certified statement that only one charge is uncovered, unwrapped or exposed per mold cycle per compression/injection molding machine, or prior to the loader, hoppers are closed except when adding materials and materials are recovered after slitting.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR 63.5835, Table 4 of 40 CFR Part 63, Subpart WWWW and PTI 02-22186)

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day during which more than 14.2 lbs of VOC/HAP were emitted and the amount of VOC/HAP that was emitted during each such day.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

2. The deviation reports pursuant to the record keeping requirements specified in section A.III.2 shall be submitted in accordance with the requirements specified in Part II, section A.11.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR 63.5910(g) and PTI 02-22186)

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:

V. Testing Requirements (continued)

1.a Emission Limitation:

VOC/HAP emissions shall not exceed 14.2 lbs per day.

Applicable Compliance Method:

Compliance shall be determined by either (i) summing the HAPs emissions for each individual SMC/BMC compound employed in this emissions unit or (ii) by calculating the daily volume-weighted HAP content of all the compounds employed and then calculating the emissions as described below:

i. $\text{lbs HAP/day} = \text{the summation of the products of (lbs SMC/BMC used/day) (\%HAP) (EF) for } i = 1 \text{ through } r$

where:

$\% \text{ HAP} = \% \text{ HAP, by weight, employed in the press;}$

$\text{EF} = \text{emission factor, which is 2\% of the available HAP as documented in Table 5.2 of the background information document for the MACT, or the most recent factor should that factor be updated;}$

$i = \text{a specific SMC/BMC material employed during the day; and}$

$n = \text{total number of SMC/BMC materials employed during the day.}$

or

ii. $\text{lbs HAP/day} = (\text{lbs SMC/BMC used/day}) (\text{daily volume weighted } \% \text{ HAP}) (\text{EF})$

where:

$\text{daily volume weighted } \% \text{ HAP} = \text{daily volume weighted } \% \text{ HAP employed in the press; and}$

$\text{EF} = \text{emission factor, which is 2\% of the available HAP as documented in Table 5.2 of the background information document for the MACT, or the most recent factor should that factor be updated.}$

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

1.b Emission Limitation:

VOC/HAP emissions shall not exceed 2.6 tons per year.

Applicable Compliance Method:

Compliance with the annual limit shall be determined by summing the daily VOC/HAP emissions determined in section A.V.1.a for each day of the calendar year, and then dividing by 2000 lbs per ton.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

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: Thermoset Compression Mold Press No. 54 (P029)
Activity Description: Close FRP Molding Presses Used For Molding Plastic Parts From SMC & BMC

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>
Emissions unit P029 is thermoset mold compression press no. 54.	OAC rule 3745-31-05(A)(3) (PTI 02-22186 effective November 14, 2006)	Volatile organic compound/hazardous air pollutant (VOC/HAP) emissions shall not exceed 14.2 lbs per day and 2.6 tons per year.
	40 CFR Part 63, Subpart WWWW	See section A.II.1 below and the applicable sections in Part II, sections A.2 through A.14.

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The permittee shall uncover, unwrap or expose only one charge per mold cycle per compression/injection molding machine. For machines with multiple molds, one charge means sufficient material to fill all molds per one cycle. For machines with robotic loaders, no more than one charge may be exposed prior to the loader. For machines fed by hoppers, sufficient material may be uncovered to fill the hopper. Hoppers must be closed when not adding materials. Materials may be uncovered to feed to slitting machines. Materials must be recovered after slitting.

(Authority for term: 40 CFR 63.5835, Table 4 of 40 CFR Part 63, Subpart WWWW and PTI 02-22186)

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect the following information each day:
 - a. the identification of each mold compound employed in this emissions unit;
 - b. the weight of each mold compound employed in this emissions unit, in pounds; and
 - c. the percent of VOC/HAP, by weight, in each such mold compound.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

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

2. The permittee shall conduct daily inspections of this emissions unit and maintain a log of these inspections. The log shall include the compliance status of the work practice standard identified in section A.II.1 and shall include the following information:
 - a. whether the emissions unit was in operation;
 - b. whether the permittee uncovered, unwrapped or exposed more than one charge per mold cycle per compression/injection molding machine as specified in section A.II.1; and
 - c. information on the duration and cause of each deviation and the corrective action taken.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

3. The permittee has demonstrated compliance with the requirements specified in section A.II.1 if the permittee maintains a certified statement that only one charge is uncovered, unwrapped or exposed per mold cycle per compression/injection molding machine, or prior to the loader, hoppers are closed except when adding materials and materials are recovered after slitting.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR 63.5835, Table 4 of 40 CFR Part 63, Subpart WWWW and PTI 02-22186)

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day during which more than 14.2 lbs of VOC/HAP were emitted and the amount of VOC/HAP that was emitted during each such day.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

2. The deviation reports pursuant to the record keeping requirements specified in section A.III.2 shall be submitted in accordance with the requirements specified in Part II, section A.11.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR 63.5910(g) and PTI 02-22186)

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:

V. Testing Requirements (continued)

1.a Emission Limitation:

VOC/HAP emissions shall not exceed 14.2 lbs per day.

Applicable Compliance Method:

Compliance shall be determined by either (i) summing the HAPs emissions for each individual SMC/BMC compound employed in this emissions unit or (ii) by calculating the daily volume-weighted HAP content of all the compounds employed and then calculating the emissions as described below:

i. $\text{lbs HAP/day} = \text{the summation of the products of (lbs SMC/BMC used/day) (\%HAP) (EF) for } i = 1 \text{ through } r$

where:

$\% \text{ HAP} = \% \text{ HAP, by weight, employed in the press;}$

$\text{EF} = \text{emission factor, which is 2\% of the available HAP as documented in Table 5.2 of the background information document for the MACT, or the most recent factor should that factor be updated;}$

$i = \text{a specific SMC/BMC material employed during the day; and}$

$n = \text{total number of SMC/BMC materials employed during the day.}$

or

ii. $\text{lbs HAP/day} = (\text{lbs SMC/BMC used/day}) (\text{daily volume weighted } \% \text{ HAP}) (\text{EF})$

where:

$\text{daily volume weighted } \% \text{ HAP} = \text{daily volume weighted } \% \text{ HAP employed in the press; and}$

$\text{EF} = \text{emission factor, which is 2\% of the available HAP as documented in Table 5.2 of the background information document for the MACT, or the most recent factor should that factor be updated.}$

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

1.b Emission Limitation:

VOC/HAP emissions shall not exceed 2.6 tons per year.

Applicable Compliance Method:

Compliance with the annual limit shall be determined by summing the daily VOC/HAP emissions determined in section A.V.1.a for each day of the calendar year, and then dividing by 2000 lbs per ton.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 02-22186)

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 Spray Booth Four Compartment (R001)
Activity Description: Spray Painting Of Fiberglass Reinforced Plastic Parts

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>
Emissions unit R001 is a Despatch 4-compartment paint spray booth with dry filters used to coat molded fiberglass reinforced plastic (FRP) parts with general use coatings.	OAC rule 3745-31-05(A)(3) (PTI 02-1805, effective December 28, 1984)	Compliance with the best available technology requirement was determined to be compliance with OAC rule 3745-21-07(G)(2).
	OAC rule 3745-21-07(G)(2)	Photochemically reactive organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day, excluding emissions from non-photochemically reactive cleanup material.
	OAC rule 3745-17-07(A)	Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-11(B)	Particulate emissions (PE) shall not exceed 0.551 pound per hour. See section A.II.1 below.
	40 CFR Part 63, Subpart PPPP 40 CFR 63.4490(b)(1)	Beginning on April 19, 2007, organic HAP emissions from the application of general use coatings shall not exceed 0.16 lb organic HAP per lb coatings solids used during each 12-month compliance period. See Part II, sections A.15 through A.26.

2. Additional Terms and Conditions

None

II. Operational Restrictions

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

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

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 is a photochemically reactive material;
 - c. the number of gallons of each photochemically reactive coating and cleanup material;
 - d. the solids content of each coating employed, in pounds per gallon;
 - e. the OC content of each coating and photochemically reactive cleanup material, in pounds per gallon;
 - f. the OC emission rate in pounds per day, calculated as the summation of A.III.1.c x A.III.1.e for each material employed;
 - g. the number of hours of operation; and
 - h. the average OC emission rate in pounds per hour, calculated as A.III.1.f/A.III.1.g.

All calculations specified must be completed within 10 calendar days following the end of each month, except cleanup emissions shall be calculated within 10 calendar days following receipt of any recycle/recovery information. 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 "nonphotochemically reactive" are based upon OAC rule 3745-21-01(C)(5).

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

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

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

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

3. The permittee shall retain the following records for each reporting period to demonstrate compliance with the emission rate without add-on control option in 40 CFR Part 63, Subpart PPPP.
- a. Determine the mass fraction of organic HAP for each coating, thinner and/or other additive and cleaning material used during each month by using one of the following options:
 - i. Method 311 of Appendix A to 40 CFR Part 63) and using the following procedures:
 - (a) Count each organic HAP that is measured to be present at 0.1 percent by mass or more for Occupational Safety and Health Administration (OSHA)-defined carcinogens as specified in 29 CFR 1910.1200(d)(4) and at 1.0 percent by mass or more for other compounds. For example, if toluene (not an OSHA carcinogen) is measured to be 0.5 percent of the material by mass, you do not have to count it. Express the mass fraction of each organic HAP you count as a value truncated to four places after the decimal point (e.g., 0.3791).
 - (b) Calculate the total mass fraction of organic HAP in the test material by adding up the individual organic HAP mass fractions and truncating the result to three places after the decimal point (e.g., 0.763).
 - ii. Use Method 24 (Appendix A to 40 CFR Part 60) to determine the mass fraction of nonaqueous volatile matter and use that value as a substitute for mass fraction of organic HAP.
 - iii. Use an alternative test method for determining the mass fraction of organic HAP once the Administrator has approved it. Follow the procedure in 40 CFR 63.7(f) to submit an alternative test method for approval.
 - iv. Rely on information other than that generated by the test methods specified above, such as manufacturer's formulation data, if it represents each organic HAP that is present at 0.1 percent by mass or more for OSHA-defined carcinogens as specified in 29 CFR 1910.1200(d)(4) and at 1.0 percent by mass or more for other compounds. If there is a disagreement between such information and results of a test conducted as specified above, then the test method results will take precedence unless it is demonstrated to the satisfaction of the Ohio EPA, Northeast District Office that the formulation data are correct.
 - v. Solvent blends may be listed as single components for some materials in data provided by manufacturers or suppliers. Solvent blends may contain organic HAP which must be counted toward the total organic HAP mass fraction of the materials. When test data and manufacturer's data for solvent blends are not available, use the default values for the mass fraction of organic HAP in these solvent blends listed in Tables 3 or 4 to this permit. If using the table, use the value in Table 3 for all solvent blends that match Table 3 entries according to the instructions for Table 3 and use Table 4 only if the solvent blends in the materials used do not match any of the solvent blends in Table 3 and it is known whether the blend is aliphatic or aromatic. However, if the results of a Method 311 (Appendix A to 40 CFR Part 63) test indicate higher values than those listed on Table 3 or 4, the Method 311 results will take precedence unless it is demonstrated to the satisfaction of the Ohio EPA, Northeast District Office that the formulation data are correct.

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

b. Determine the mass fraction of coating solids (lb of coating solids per lb of coating) for each coating used during each month using one of the following methods:

- i. Use Method 24 (Appendix A to 40 CFR Part 60) for determining the mass fraction of coating solids.
- ii. Use an alternative test method for determining the solids content of each coating once the Administrator has approved it. Follow the procedure in 40 CFR 63.7(f) to submit an alternative test method for approval.
- iii. Obtain the mass fraction of coating solids for each coating from the supplier or manufacturer. If there is disagreement between such information and the test method results, then the test method results will take precedence unless it is demonstrated to the satisfaction of the Ohio EPA, Northeast District Office that the formulation data are correct.

c. Determine the density of each liquid coating, thinner and/or other additive, and cleaning material used during each month from test results using ASTM Method D1475-98, "Standard Test Method for Density of Liquid Coatings, Inks, and Related Products", information from the supplier or manufacturer of the material, or reference sources providing density or specific gravity data for pure materials. If there is disagreement between such information and the test method results, then the test method results will take precedence unless it is demonstrated to the satisfaction of the Ohio EPA, Northeast District Office that the formulation data are correct. If material are purchased or consumption monitored by weight instead of volume, the material density does not need to be determined. Instead, use the material weight in place of the combined terms for density and volume in Equations 1A, 1B, 1C and 2 of Attachment 1.

d. Determine the volume (gallons) of each coating, thinner and/or other additive and cleaning material used during each month by measurement or usage records. If material are purchased or consumption monitored by weight instead of volume, the material density does not need to be determined. Instead, use the material weight in place of the combined terms for density and volume in Equations 1A, 1B, 1C and 2 of Attachment 1.

e. Calculate the mass of organic HAP emissions. The mass of organic HAP emissions is the combined mass of organic HAP contained in all coatings, thinners and/or other additives, and cleaning materials used during each month minus the organic HAP in certain waste materials. Calculate the mass of organic HAP emissions using Equation 1 of Attachment 1 to this permit.

Account for the mass of organic HAP contained in waste materials sent or designated for shipment to a hazardous waste TSDF in Equation 1 of Attachment 1, if any, as described below:

i. Only include waste materials in the determination that are generated by coating operations in the affected emissions unit for which you use Equation 1 of Attachment 1 and that will be treated or disposed of by a facility that is regulated as a TSDF under 40 CFR 262, 264, 265, or 266. The TSDF may be either off-site or on-site. Do not include organic HAP contained in wastewater.

ii. Determine either the amount of the waste materials sent to a TSDF during the month or the amount collected and stored during the month and designated for future transport to a TSDF. Do not include in the determination any waste materials sent to a TSDF during a month if that material is already included in the amount collected and stored during that month or a previous month.

iii. Determine the total mass of organic HAP contained in the waste materials specified above.

iv. Document the methodology used to determine the amount of waste materials and the total mass of organic HAP they contain, as required in (g) below. If waste manifests include this information, they may be used as part of the documentation of the amount of waste materials and mass of organic HAP contained in them.

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

f. Determine the total mass of coating solids used, lb, which is the combined mass of coating solids for all the coatings used during each month, using Equation 2 of Attachment 1.

g. Calculate the organic HAP emission rate for the compliance period, lb organic HAP emitted per lb coating solids used, using Equation 3 of Attachment 1.

h. The organic HAP emission rate for the initial compliance period calculated using Equation 3 of Attachment 1 must be less than or equal to the applicable emission limit 0.16 lb organic HAP per lb coatings solids used during each 12-month compliance period for general use coatings. All records must be kept as required by Part II.A.7.

[Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR 63.4551]

4. Continuous Compliance Demonstration for 40 CFR Part 63, Subpart PPPP

a. To demonstrate continuous compliance, the organic HAP emission rate for each compliance period, determined according to section A.III.3.g must be less than or equal to the applicable emission limit of 0.16 lb organic HAP per lb coating solids. A compliance period consists of 12 months. Each month after the end of the initial compliance period described in Part II, section A.7 is the end of a compliance period consisting of that month and the preceding 11 months. The calculations in section A.III.3.g must be performed on a monthly basis using data from the previous 12 months of operation.

b. If the organic HAP emission rate for any 12-month compliance period exceeded 0.16 lb organic HAP per lb coating solids, this is a deviation from the emission limitation for that compliance period and must be reported as specified in 63.4510(c)(6) and 63.4520(a)(6).

c. As part of each semiannual compliance report required by Part II, section A.12, identify the emissions units which used the emission rate without add-on controls option. If there were no deviations from the emission limitation, submit a statement that the coating operations were in compliance with the emission limitation during the reporting period because the organic HAP emission rate for each compliance period was less than or equal to 0.16 lb organic HAP per lb coating solids determined according to section A.III.3.g.

d. Maintain these records as specified in Part II, section A.7.

[Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR 63.4552]

IV. Reporting Requirements

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

a. for the days during which a photochemically reactive material was employed, an identification of each day during which the average hourly OC emissions from the coatings and photochemically reactive cleanup materials exceeded 8 pounds per hour, and the actual average hourly OC emissions for each such day; and

b. for the days during which a photochemically reactive material was employed, an identification of each day during which the OC emissions from coatings and photochemically reactive cleanup materials exceeded 40 pounds per day, and the actual OC emissions for each such day.

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

2. The permittee shall submit quarterly deviation (excursion) reports of any daily record showing that the dry filtration system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Northeast District Office).

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

3. The initial and semiannual compliance reports shall be submitted as specified in Part II, sections A.21, A.22 and A.23.

[Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR 63.4510 and 40 CFR 63.4520]

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:

Photochemically reactive OC emissions shall not exceed 8 lbs/hr, excluding emissions from non-photochemically reactive cleanup material.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the record keeping requirements specified in section A.III.1.h. Formulation data or USEPA Method 24 (for coatings) shall be used to determine the OC contents of the coatings and cleanup materials.

If required, compliance shall be determined through emission testing performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 25 or 25A.

1.b Emission Limitation:

Photochemically reactive OC emissions shall not exceed 40 lbs/day, excluding emissions from non-photochemically reactive cleanup material.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the record keeping requirements specified in section A.III.1.f. Formulation data or USEPA Method 24 (for coatings) shall be used to determine the OC contents of the coatings and cleanup materials.

1.c Emission Limitation:

PE shall not exceed 0.551 pound per hour.

Applicable Compliance Method:

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

$$PE = (SC \times GL / HR) \times (1-TE) \times (1-CE)$$

where:

PE = particulate emissions in pounds per hour;

SC = solids content (lbs/gal);

GL = number of gallons coating employed per day;

HR = number of hours per day for coating operation;

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; and

CE = estimated control efficiency of the dry filters.

1.d Emission Limitation:

Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.

Applicable Compliance Method:

Compliance shall be demonstrated through visible emission observations performed in accordance with the procedures specified in 40 CFR Part 60, Appendix A, Method 9.

V. Testing Requirements (continued)

1.e Emission Limitation:

Beginning on April 19, 2007, organic HAP emissions from the application of general use coatings shall not exceed 0.16 lb organic HAP per lb coatings solids used during each 12-month compliance period.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the record keeping requirements and calculations specified in section A.III.3.

[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

THIS IS THE LAST PAGE OF THE PERMIT

Statement of Basis For Title V Permit

Company Name	Zehrco-Giancola Composites, Inc.	
Premise Number	02 04 01 0265	
What makes this facility a Title V facility?	HAPs	
Has each insignificant emissions unit been reviewed to confirm it meets the definition in 3745-77-01 (U)?	Yes	
Were there any “common control” issues associated with this facility? If yes, provide a summary of those issues and explain how the DAPC decided to resolve them.	No	
Please identify the affected unit(s) and associated PTI, if applicable, along with a brief description of any changes to the permit document that qualify as a minor permit modification per OAC rule 3745-77-08(C)(1)	NA	
Please identify the affected unit(s) and associated PTI, if applicable, along with a brief description of any changes to the permit document that qualify as a significant permit modification per OAC rule 3745-77-08(C)(3)	NA	
Please identify the affected unit(s) and associated PTI, if applicable, along with a brief description of any changes to the permit document that qualify as a reopening per OAC rule 3745-77-08(D)	NA	

<p>Please identify the affected unit(s) and associated PTI, if applicable, along with a brief description of any changes to the permit document resulting from a renewal per OAC rule 3745-77-08(E)</p>	<ul style="list-style-type: none"> - Language has been updated and the authority for terms has been added to emissions units P001, P002, P004, P005, P006 and R001. - Facility-wide requirements for 40 CFR 63, subpart WWWW was added into part II of the permit. Emissions unit specific requirements were incorporated into emissions units P001, P002, P004, P005 and P006. - Emissions unit R001 will be subject to 40 CFR 63 part PPPP; these requirements have been incorporated into part II of the permit and into emissions unit R001. - Emissions unit Z001 was moved from the state only to the state and federal side of part II of the permit. - Emissions units P003 and P008 have been removed from the permit as they no longer exist. - PTI No. 02-2866 for emissions units P001, P002 and P004 has been referenced in the renewal permit. - PTI No. 02-9122 for emissions unit P005 has been referenced in the renewal permit. - PTI No. 02-0566 for emissions unit P006 has been referenced in the renewal permit. - PTI No. 02-2552 was effective December 21, 1998, for emissions unit P007. Emissions unit P007 has been incorporated into the renewal permit. - PTI No. 02-22186 was effective on November 14, 2006 for emissions units P009-P029. Emissions units P009-P029 have been incorporated into the renewal permit. - Emission limit of 8 lbs OC/hour and 40 lbs OC/day, based upon OAC rule 3745-21-07(G)(2), was removed from emissions units P002, P005 and P006 and was omitted from P007 as no chemical reaction occurs in these mixers. - The citation for the emission factor used in emissions units P002, P005 and P006 was changed from AP-42 Section 6.4.1 (this section of AP-42 has been withdrawn) to Table 5-2 "Average HAP Emissions Equations by Process" in US EPA's document "Hazardous Air Pollutant Emissions from the Production of Reinforced Plastic Composites Background Information Document for Proposed Standards". The actual emissions factor has not changed. - The annual emissions report in emissions unit P006 has been removed as redundant. - The emission factor used in emissions units P001 and P004 was changed from 2% to 0.347% of the HAP (styrene) based upon emissions testing on Sept. 18, 2006, at P004.
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Part II (State and Federally Enforceable Requirements)			
Term and Condition (paragraph)	Basis		Comments
	SIP (3745-)	Other	
1.	77-01 (U)(3)		Z001, a natural-gas fired drying oven for painted plastic parts, is an insignificant emissions unit.
2.-14.	N	40 CFR 63, Subpart WWWW	MACT for Reinforced Plastic Composites Production applies to P001, P002- P007, P009-P029. Compliance date for this rule was April 21, 2006. This facility is subject to work practice standards in the rule.

15.-26.	N	40 CFR 63, Subpart PPPP	MACT for Surface Coating of Plastic Parts and Products applies to R001. Compliance date for this rule is April 19, 2007. EU applies general use coatings and will demonstrate compliance using the emission limit without add-on control equipment.
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C **Instructions for Part II:**

Each paragraph in Part II must be identified and the remainder of the table completed. If the SIP (not including 31-05) is the basis for the term and condition, identify the specific rule. If the SIP is not the basis for the term and condition, place an “N” in the column under “SIP.” If the basis for the term and condition is something other than the SIP, including 3745-31-05, NSPS or MACT, a “Y” should be noted in the “Other” column, and if not, an “N” should be noted. Whether the basis for the term and condition is the “SIP” or “Other,” an explanation of each term and condition in Part II must be provided in the “Comments” section.

Part III (Requirements Within the State & Federally Enforceable Section)															
Any unusual requirements or aspects of the terms and conditions in Part III that are not self-explanatory should be explained in the appropriate comment field or in a paragraph following the table for Part III.															
EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other												
P001, P004	8 lbs OC/hr and 40 lbs/day	21-07 (G)(2)	N	N	N	Y	N	N	Y	N	Y	N	N	N	ET - compliance for the SMC machines will be determined by calculations. Emission factor was determined during testing of P004 on 9/18/2006.
P002, P005, P006, P007	NA	21-07 (G)(2)	N	Y	N	N	N	N	N	N	N	N	N	N	ND - P002, P005, P006 and P007 are mixers. When mixing, with no chemical reaction, OAC rule does not apply.
P009-P029	NA	21-07 (G)(2)	N	Y	N	N	N	N	N	N	N	N	N	N	ND - P009-P029 are compression mold presses. OAC rule does not apply as no liquid organic compounds are employed.
R001	8 lbs OC/hr & 40 lbs/day	21-07 (G)(2)	N	N	N	Y	N	N	Y	N	Y	N	N	N	St - This is an older PTI and does not contain any M, R, or Rp for this coating booth.
R001	0.551 lb PE/hour	17-11 (B)	N	N	N	Y	N	N	Y	N	Y	N	N	N	St - This is an older PTI and does not contain any M, R, or Rp for this coating booth.
R001	20 % opacity	17-07 (A)	N	N	N	Y	N	N	Y	N	Y	N	N	N	St - This is an older PTI and does not contain any M, R, or Rp. Inherently clean VE checks were included for this coating booth.

P001, P002, P004	See Comments	31-05 (A)(3)	N	N	N	N	N	N	N	N	N	N	N	N	PTI No. 02-2866, effective Oct. 16, 1986 for P001, P002 and P004. BAT in PTI is compliance with the applicable rule, OAC rule 3745-21-07 (G). See above.
P005	8 lbs OC/hr, 32 lbs/day & 5.84 TPY	31-05 (A)(3)	N	N	N	Y	Y	N	Y	Y	Y	Y	N	N	PTI No. 02-9122 effective June 14, 1995 & modified on August 16, 1995. ET-compliance determination is based upon calculations
P006	2.64 lb/hr, 40 lbs/day & 7.3 tpy OC from mixing; 2.4 lbs/hr, 19.2 lbs/day & 3.51 tpy OC from cleanup	31-.5 (A)(3)	N	N	Y	Y	N	N	Y	Y	Y	Y	N	N	PTI No. 02-0566 effective November 6, 1996. BAT as listed. OR - no photochemically reactive materials may be used for cleanup ET - compliance determination is based upon calculations
P007	2.42 lb/hr, 40 lbs/day, 7.3 tpo OC from mixing; 19.8 lbs/day, 3.61 tpy OC from cleanup	31-05 (A)(3)	N	N	Y	Y	Y	N	Y	Y	Y	Y	N	N	PTI No, 02-2552 effective December 21, 1998 OR - the use of only non photochemically reactive OC materials for cleanup ET- based upon calculations
P009, P010, P012, P015, P016, P017, P018, P019, P020, P023, P028, P029	14.2 lbs VOC/HAP per day and 2.6 tons per year.	31-05 (A)(3)	N	N	N	Y	N	N	Y	N	Y	N	N	N	ET - compliance is determined using calculations for these compression mold presses.
P011, P013	2.7 lbs VOC/HAP per day and 0.5 tons per year.	31-05 (A)(3)	N	N	N	Y	N	N	Y	N	Y	N	N	N	ET - compliance is determined using calculations for these compression mold presses.

P014, P021, P022, P024, P025, P026, P027	40 lbs VOC/HAP per day and 7.3 tons per year.	31-05 (A)(3)	N	N	N	Y	N	N	Y	N	Y	N	N	N	ET - compliance is determined using calculations for these compression mold presses.
R001	See Comments	31-05 (A)(3)	N	N	N	N	N	N	N	N	N	N	N	N	PTI No. 02-1805, effective Dec. 28, 1984. BAT was determined to be compliance with OAC rule 3745-21-07 (G)(2).
P001, P004	work practice standards (WPS)	N	40 CFR 63 subpart WWWW	N	N	Y	N	N	Y	N	Y	N	N	N	WPS-Close or cover resin delivery system to doctor box and use nylon containing film to enclose SMC. Rp- found in Part II.10. And II.15. ET-perform WPS, keep certified statement of compliance. Permit includes R & Rp.
P002, P005, P006, P007	WPS	N	40 CFR 63 subpart WWWW	N	N	Y	N	N	Y	N	Y	N	N	N	WPS-close mixer covers and vents when mixing and mixer covers have no visible gaps as detailed in A.I.2.a-c. Rp- found in Part II.10 and 15. ET-perform WPS, keep certified statement of compliance. Permit includes R & Rp.
P009-P029	WPS	N	40 CFR 63 subpart WWWW	N	Y	Y	N	N	Y	N	Y	N	N	N	WPS-unwrap, uncover or expose only one charge per mold cycle per mold machine as detailed in A.I.2.a M, R in A.III.2. ET-perform WPS, keep certified statement of compliance
R001	0.16 lb organic HAP/lb coating solids used	N	40 CFR 63 subpart PPPP	N	N	Y	N	N	Y	N	Y	N	N	N	This emissions unit is subject to subpart PPPP as an existing emissions unit.

EU = emissions unit ID

ND = negative declaration (i.e., term that indicates that a particular rule(s) is (are) not applicable to a specific emissions unit)

OR = operational restriction

M = monitoring requirements

St = streamlining term used to replace a PTI monitoring, record keeping, or reporting requirement with an equivalent or more stringent requirement

ENF = did noncompliance issues drive the monitoring requirements?

R = record keeping requirements

Rp = reporting requirements

ET = emission testing requirements (not including compliance method terms)

Misc = miscellaneous requirements

C **Instructions for Part III:**

- C All non-insignificant EUS must be included in this table. For each EU, or group of similar EUS, each emission limitation and control requirement specified in section A.I.1 and A.I.2 of the permit must be identified and the remainder of the table completed.
- C If the SIP (not including OAC rule 3745-31-05) is the basis for the term and condition, identify the specific rule. If the SIP is not the basis for the term and condition, place an “N” in the column under “SIP.” If the basis for the term and condition is something other than the SIP, including OAC rule 3745-31-05, NSPS or MACT, a “Y” should be noted in the “Other” column, and if not, an “N” should be noted. If the basis for the term and condition is “Other,” an explanation of the basis must be provided in the “Comments” section. If OAC rule 3745-31-05 is cited in the “Other” column, please indicate in the “Comments” section whether or not all of the requirements have been transferred from the permit to install.
- To complete the remainder of the table after “Basis,” except for the “Comments” section, simply specify a “Y” for yes or an “N” for no. For the “M,” “R,” “Rp,” and “ET” columns, if “N” is specified, there should be a brief explanation in the “Comments” section as to why there are no requirements. If a brief explanation is provided in the “Comments” section, please do not simply indicate that monitoring or testing requirements are not necessary. An explanation of why a requirement is not necessary should be specified.

When periodic monitoring requirements are established to satisfy the provisions of OAC rule 3745-77-07(A)(3)(a)(ii), the basis for the requirements must be explained. Whenever Engineering Guides have been used to establish the periodic monitoring requirements, the applicable Engineering Guide may be referenced in the “Comments” section. An example that should be clarified would be the situation where it has been determined that control equipment parametric monitoring will be used to evaluate ongoing compliance in lieu of performing frequent emission tests. In this situation, Engineering Guide #65 would be referenced along with the fact that the parametric monitoring range (or minimum value) corresponded to the range (or minimum value) documented during the most recent emission tests that demonstrated that the emissions unit was in compliance. If streamlining language is included in the “Monitoring,” “Record Keeping,” or “Reporting” requirements sections of the permit, explain which requirements are being streamlined (mark appropriate column above) and provide a brief explanation of why the streamlined term is equal to or more stringent than the “Monitoring,” “Record Keeping,” or “Reporting” requirements specified in the permit to install. If Engineering Guide #16 was used as the basis for establishing an emission test frequency, a simple note referencing the Engineering Guide in the “Comments” section would be sufficient.

Also, if a “Y” is noted under “OR,” “Misc,” “St,” “ND,” or “ENF” an explanation of the requirements must be provided in the “Comments” section. In addition to a general explanation of the “OR,” “Misc,” “St,” “ND,” and/or “ENF” the following must be provided:

1. For an operational restriction, clarify if appropriate monitoring, record keeping, and reporting requirements have been specified for the operational restriction and indicate whether or not CAM is currently applicable.
2. If a control plan and schedule is included in the “Miscellaneous Requirements” section of the permit, provide an explanation in the “Comments” section of the violation, basis for the violation, and the company’s proposed control plan and schedule.
3. If the “ND” column above is marked, please identify the particular rule(s) that is (are) not applicable to the specified emissions unit.
4. If the “ENF” column above is marked, please provide a brief explanation of the noncompliance issue(s) which prompted the use of the specified monitoring requirement.

An explanation is not required if an “N” is noted in the “OR,” “Misc,” “St,” “ND,” or “ENF” columns.

ATTACHMENT 1 from 40 CFR 63.4551(e) Subpart PPPP

Equation 1

$$H_e = A + B + C - R_w$$

where:

H_e = Total mass of organic HAP emissions during the month, lbs;

A = Total mass of organic HAP in the coatings used during the month, lbs, as calculated in Equation 1A of this section;

B = Total mass of organic HAP in the thinners and/or other additives used during the month, lbs, as calculated in Equation 1B of this section;

C = Total mass of organic HAP in the cleaning materials used during the month, lbs, as calculated in Equation 1C of this section; and

R_w = Total mass of organic HAP in waste materials sent or designated for shipment to a hazardous waste TSDf for treatment or disposal during the month, lbs, determined according to paragraph (e)(4) of this section (A value of zero may be assigned to R_w if this allowance is not needed.).

(1) Calculate the lbs organic HAP in the coatings used during the month using Equation 1A of this section:

Equation 1A

$$A = 3 \sum_{i=1}^m (\text{Vol}_{c,i}) (D_{c,i}) (W_{c,i})$$

where:

A = Total mass of organic HAP in the coatings used during the month, lbs;

$\text{Vol}_{c,i}$ = Total volume of coating, i, used during the month, lbs;

$D_{c,i}$ = Density of coating, i, lb coating per gallon coating;

$W_{c,i}$ = Mass fraction of organic HAP in coating, i, lb organic HAP per lb coating; and

m = Number of different coatings used during the month.

(2) Calculate the lb of organic HAP in the thinners and/or other additives used during the month using Equation 1B of this section:

Equation 1B

$$B = 3 \sum_{j=1}^n (\text{Vol}_{t,j}) (D_{t,j}) (W_{t,j})$$

where:

B = Total mass of organic HAP in the thinners and/or other additives used during the month, lbs;

Vol_{t,j} = Total volume of the thinners and/or other additives, j, used during the month, lbs;

D_{t,j} = Density of the thinners and/or other additives, j, lb coating per gallon coating;

W_{t,j} = Mass fraction of organic HAP in the thinners and/or other additives, j, lb organic HAP per lb coating; and

n = Number of different thinners and/or other additives used during the month.

(3) Calculate the lb organic HAP in the cleaning materials used during the month using Equation 1C of this section:

Equation 1C

$$C = 3 \sum_{k=1}^p (\text{Vol}_{s,k}) (D_{s,k}) (W_{s,k})$$

where:

C = Total mass of organic HAP in the cleaning material used during the month, lbs;

Vol_{s,k} = Total volume of the cleaning material, k, used during the month, lbs;

D_{s,k} = Density of the cleaning material, k, lb coating per gallon coating;

W_{s,k} = Mass fraction of organic HAP in the cleaning material, k, lb organic HAP per lb coating; and

p = Number of different cleaning materials used during the month.

Equation 2

$$M_{st} = \sum_{i=1}^m (\text{Vol}_{c,i}) (D_{c,i}) (M_{s,i})$$

where:

M_{st} = Total mass of coating solids used during the month, lbs;

$\text{Vol}_{c,i}$ = Total volume of the coating, i, used during the month, lbs;

$D_{c,i}$ = Density of the coating, i, lb coating per gallon coating;

$M_{s,i}$ = Mass fraction of coating solids, i, lb solids per lb coating; and

m = Number of coatings used during the month.

Equation 3

$$H_{yr} = \frac{\sum_{y=1}^n H_e}{\sum_{y=1}^n M_{st}}$$

where:

H_{yr} = Average organic HAP emission rate for the compliance period, lb organic HAP emitted per lb coating solids used;

H_e = Total mass of organic HAP emissions from all materials used during month, y, lb, as calculated by Equation 1 of this section;

M_{st} = Total mass of coating solids used during month, y, lb, as calculated by Equation 2 of this section; and

y = Identifier for months.

[Authority for attachment: 40 CFR 63.4551]

Table 3 to Subpart PPPP of Part 63—Default Organic HAP Mass Fraction for Solvents and Solvent Blends

[You may use the mass fraction values in the following table for solvent blends for which you do not have test data or manufacturer's formulation data and which match either the solvent blend name or the chemical abstract series (CAS) number. If a solvent blend matches both the name and CAS number for an entry, that entry's organic HAP mass fraction must be used for that solvent blend. Otherwise, use the organic HAP mass fraction for the entry matching either the solvent blend name or CAS number, or use the organic HAP mass fraction from table 4 to this subpart if neither the name or CAS number match.]

Solvent/Solvent Blend	CAS. No.	Average Organic HAP Mass Fraction	Typical organic HAP, percent by mass
1. Toluene	108-88-3	1.0	Toluene
2. Xylene(s)	1330-20-7	1.0	Xylenes, Ethylbenzene.
3. Hexane	110-54-3	0.5	n-hexane.
4. n-Hexane	110-54-3	1.0	n-hexane.
5. Ethylbenzene	100-41-4	1.0	Ethylbenzene.
6. Aliphatic 140		0	None.
7. Aromatic 100		0.02	1% xylene, 1% cumene.
8. Aromatic 150		0.09	Naphthalene.
9. Aromatic naphtha	64742-95-6	0.02	1% xylene, 1% cumene
10. Aromatic solvent	64742-94-5	0.1	Naphthalene
11. Exempt mineral spirits	8032-32-4	0	None.
12. Lignoines (VM&P)	8032-32-4	0	None.
13. Lactol spirits	64742-89-6	0.15	Toluene.
14. Low aromatic white spirit	64742-82-1	0	None.

15. Mineral spirits	64742-88-7	0.01	Xylenes.
16. Hydrotreated naphtha	64742-48-9	0	None.
17. Hydrotreated light distillate	64742-47-8	0.001	Toluene.
18. Stoddard solvent	8052-41-3	0.01	Xylenes.
19. Super high-flash naphtha	64742-95-6	0.05	Xylenes.
20. Varsol [®] solvent	8052-49-3	0.01	0.5% xylenes, 0.5% ethylbenzene.
21. VM&P naphtha	64742-89-8	0.06	3% toluene, 3% xylene.
22. Petroleum distillate mixture	68477-31-6	0.08	4% naphthalene, 4% biphenyl.

Table 4 to Subpart PPPP of Part 63 ---Default Organic HAP Mass Fraction for Petroleum Solvent Groups ^a

[You may use the mass fraction values in the following table for solvent blends for which you do not have test data or manufacturer's formulation data.]

Solvent type	Average organic HAP mass fraction	Typical organic HAP, percent by mass
Aliphatic \b\	0.03	1% Xylene, 1% Toluene, and 1% Ethylbenzene.
Aromatic \c\	0.06	4% Xylene, 1% Toluene, and 1% Ethylbenzene.

\a\ Use this table only if the solvent blend does not match any of the solvent blends in Table 3 to this subpart by either solvent blend name or CAS number and you only know whether the blend is aliphatic or aromatic.

\b\ Mineral Spirits 135, Mineral Spirits 150 EC, Naphtha, Mixed Hydrocarbon, Aliphatic Hydrocarbon, Aliphatic Naphtha, Naphthol Spirits, Petroleum Spirits, Petroleum Oil, Petroleum Naphtha, Solvent Naphtha, Solvent Blend.

\c\ Medium-flash Naphtha, High-flash Naphtha, Aromatic Naphtha, Light Aromatic Naphtha, Light Aromatic Hydrocarbons, Aromatic Hydrocarbons, Light Aromatic Solvent.