



State of Ohio Environmental Protection Agency

Street Address:

Lazarus Gov. Center
122 S. Front Street
Columbus, OH 43215

TELE: (614) 644-3020 FAX: (614) 644-2329

Mailing Address:

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

07/27/01

CERTIFIED MAIL

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

02-04-01-0173
Molded Fiber Glass Companies, Plant 1
Matthew P. Narducci
2925 MFG Place
Box 675
Ashtabula, OH 44004-0675

Dear Matthew P. Narducci:

Enclosed is the Title V permit that allows you to operate the facility in the manner indicated in the permit. Because this permit may contain several conditions and restrictions, we urge you to read it carefully.

The Ohio EPA is encouraging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Pollution Prevention at (614) 644-3469.

You are hereby notified that this action of the Director is final and may be appealed to the Environmental Review Appeals Commission pursuant to Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed with the Environmental Review Appeals Commission within thirty (30) days after notice of the Director's action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. It is also requested by the Director that a copy of the appeal be served upon the Environmental Enforcement Section of the Office of the Attorney General. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
236 East Town Street
Room 300
Columbus, Ohio 43215

If you have any questions, please contact Northeast District Office.

Very truly yours,

Thomas G. Rigo, Manager
Field Operations and Permit Section
Division of Air Pollution Control

cc: Northeast District Office
File, DAPC PMU



State of Ohio Environmental Protection Agency

FINAL TITLE V PERMIT

Issue Date: 07/27/01

Effective Date: 07/27/01

Expiration Date: 07/27/06

This document constitutes issuance of a Title V permit for Facility ID: 02-04-01-0173 to:
Molded Fiber Glass Companies, Plant 1
4401 Benefit Avenue
Box 1000
Ashtabula, OH 44005-1000

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 P040, detailing various molding presses, mixers, and parking lots with their respective OAC codes.

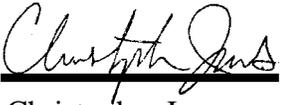
You will be contacted approximately eighteen (18) months prior to the expiration date regarding the renewal of this permit. If you are not contacted, please contact the appropriate Ohio EPA District Office or local air agency listed below. This permit and the authorization to operate the air contaminant 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 3745-77-04(A) 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 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

A handwritten signature in cursive script, appearing to read "Christopher Jones", written in black ink. The signature is positioned above a solid black horizontal line.

Christopher Jones
Director

PART I - GENERAL TERMS AND CONDITIONS

A. State and Federally Enforceable Section

1. Monitoring and Related Recordkeeping and Reporting Requirements

- a. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:
 - 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.
- 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.
- c. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall submit required reports in the following manner:
 - i. Reports of any required monitoring and/or recordkeeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
 - ii. Quarterly written reports of (i) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, excluding deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06, that have been detected by the testing, monitoring and recordkeeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures taken, shall be promptly made to the appropriate Ohio EPA District Office or local air agency. These quarterly written reports shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c)(i) and (ii) pertaining to the submission of monitoring reports every six months and OAC rule 3745-77-07(A)(3)(c)(iii) pertaining to the prompt reporting of all deviations except malfunctions, which shall be reported in accordance with OAC rule 3745-15-06. The written reports shall be submitted quarterly, i.e., 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.) See B.8 below if no deviations occurred during the quarter.
 - iii. Written reports, which identify any deviations from the federally enforceable monitoring, recordkeeping, and reporting requirements contained in this permit shall be submitted to

the appropriate Ohio EPA District Office or local air agency every six months, i.e., by January 31 and July 31 of each year for the previous six calendar months. These semi-annual written reports shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c)(i) and (ii) pertaining to the reporting of any deviations related to the monitoring, recordkeeping, and reporting requirements. If no deviations occurred during a six-month period, the permittee shall submit a semi-annual report, which states that no deviations occurred during that period.

- 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 are true, accurate, and complete.

2. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction, i.e., upset, of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. (The definition of an upset condition shall be the same as that used in OAC rule 3745-15-06(B)(1) for a malfunction.) The verbal and written reports submitted pursuant to OAC rule 3745-15-06 shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c)(iii) pertaining to the prompt reporting of deviations caused by malfunctions or upsets.

Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emission unit(s) that is (are) served by such control system(s).

3. Risk Management Plans

If the permittee is required to develop and register a risk management plan pursuant to section 112(r) of the Clean Air Act, as amended, 42 U.S.C. 7401 et seq. ("Act"), the permittee shall comply with the requirement to register such a plan.

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.

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.

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. 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.

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.

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.

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.

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 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.

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.

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 appropriate Ohio EPA District Office or local air agency 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 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.

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.

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).

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.

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, except that no such notice shall be required for changes that qualify as insignificant emission 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; and
- 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.

(For further clarification, the permittee can refer to Engineering Guide #63 that is available in their STARSHIP software package.)

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.

18. Insignificant Activity

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

B. State Only Enforceable Section

1. 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.

2. Reporting Requirements Related to Monitoring and Recordkeeping Requirements

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or recordkeeping 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 (a) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., 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.)

3. 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.

4. 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.

5. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction 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).

6. 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.

7. 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.

8. 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 deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters.

Part II - Specific Facility Terms and Conditions

A. State and Federally Enforcable Section

None

B. State Only Enforceable Section

1. The following insignificant emissions units are located at this facility:

B002 - 4.5 million Btu/hr. gas-fired boiler
B005 - 5.23 million Btu/hr. gas-fired boiler
P037 - Finishing Operations: Sanding & Grinding
Z005 - Metal Parts Cleaner
Z006 - storage tank #1A for polyester resin/styrene
Z007 - storage tank #1B for polyester resin/styrene
Z008 - storage tank #2 for polyester resin/styrene
Z009 - storage tank #3 for polyester resin/styrene
Z010 - storage tank #4 for polyester resin/styrene
Z011 - storage tank #5 for polyester resin/styrene
Z012 - storage tank #6 for polyester resin/styrene
Z013 - storage tank #7 for polyester resin/styrene
Z015 - storage tank for styrene
Z028 - storage tank #8 for polyester resin/styrene
Z029 - preform mix room #1
Z030 - preform mix room #2
Z031 - bulk mold compound (BMC) machine

Each insignificant emissions unit at this facility must comply with all State and federal regulations, as well as any emissions limitations and/or control requirements contained within a Permit to Install for the emissions unit.

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Plant Roadways & Parking (F001)
Activity Description: Paved and Unpaved Roadways and Parking Lots

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>
Paved roadways and parking areas	OAC rule 3745-17-07(B)(4)	There shall be no visible particulate emissions except for a period of time not to exceed 6 minutes during any 60-minute period.
	OAC rule 3745-17-08(B), (B)(8), (B)(9)	Reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust shall be employed (see Sections A.1.2.a., A.1.2.c., A.1.2.e., A.1.2.f. and A.1.2.g.).
Unpaved roadways	OAC rule 3745-17-07(B)(5)	There shall be no visible particulate emissions except for a period of time not to exceed 13 minutes during any 60-minute period.
	OAC rule 3745-17-08(B), (B)(2)	Reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust shall be employed (see Sections A.1.2.b. through A.1.2.g.).

2. Additional Terms and Conditions

- 2.a The permittee shall employ reasonably available control measures on all paved roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the paved roadways and parking areas by watering at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.b The permittee shall employ reasonably available control measures on all unpaved roadways for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the unpaved roadways with water at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

2. Additional Terms and Conditions (continued)

- 2.c The needed frequencies of implementation of the control measures shall be determined by the permittee's inspections pursuant to the monitoring section of this permit. Implementation of the control measures shall not be necessary for a paved or unpaved roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Implementation of any control measure may be suspended if unsafe or hazardous driving conditions would be created by its use.
- 2.d Any unpaved roadway, which during the term of this permit is paved or takes the characteristics of a paved surface due to the application of certain types of dust suppressants, may be controlled with the control measure(s) specified above for paved surfaces. Any unpaved roadway that takes the characteristics of a paved roadway due to the application of certain types of dust suppressants shall remain subject to the visible emission limitation for unpaved roadways and parking areas. Any unpaved roadway or parking area that is paved shall be subject to the visible emission limitation for paved roadways and parking areas.
- 2.e The permittee shall promptly remove, in such a manner as to minimize or prevent resuspension, earth and/or other material from paved streets onto which such material has been deposited by trucking or earth moving equipment or erosion by water or other means.
- 2.f Open-bodied vehicles transporting materials likely to become airborne shall have such materials covered at all times if the control measure is necessary for the materials being transported.
- 2.g Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rule 3745-17-08.

II. Operational Restrictions

- 1. The use of used oil as a dust suppressant is prohibited per OAC rule 3745-279-82.
- 2. The permittee shall certify or possess certification that all waste material used to control fugitive dust meets the PCB limitations set forth in 40 CFR 761, and that there are no listed hazardous wastes or characteristic hazardous wastes as set forth in 40 CFR 261.

III. Monitoring and/or Record Keeping Requirements

- 1. Except as otherwise provided in this section, the permittee shall perform inspections of the roadways and parking areas in accordance with the following frequencies:

roadway/parking area surface type	minimum inspection frequency
all paved	daily
all unpaved	daily
- 2. The purpose of the inspections is to determine the need for implementing the above-mentioned control measures. The inspections shall be performed during representative, normal traffic conditions. No inspection shall be necessary for a roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above-identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.
- 3. The permittee may, upon receipt of written approval from the Ohio EPA Northeast District Office, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.

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

4. The permittee shall maintain records of the following information:
 - a. the road surface type;
 - b. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
 - c. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;
 - d. the dates the control measures were implemented; and
 - e. on a calendar quarter basis, the total number of days the control measures were implemented and the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measures.

The information required in section A.III.4.e. shall be kept separately for (i) the paved roadways and paved parking areas and (ii) the unpaved roadways, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify any of the following occurrences
 - a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and
 - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.

V. Testing Requirements

1. Compliance with the emissions limitation(s) in Section A.I.1. of these terms and conditions shall be determined in accordance with the following methods(s):

- 1.a Emission Limitation: No visible particulate emissions except for six minutes during any 60-minute period from the paved roadways and parking areas.

Applicable Compliance Method: Compliance with the visible emission limitations for the paved roadways and parking areas identified above shall be determined in accordance with Test Method 22 as set forth in Appendix A on Test Methods in 40 CFR, Part 60 (Standards of Performance for New Stationary Sources), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

- 1.b Emission Limitation: No visible particulate emissions except for thirteen minutes during any 60-minute period from the unpaved roadways.

Applicable Compliance Method: Compliance with the visible emission limitations for the unpaved roadways identified above shall be determined in accordance with Test Method 22 as set forth in Appendix A on Test Methods in 40 CFR, Part 60 (Standards of Performance for New Stationary Sources), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

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: Preform Machine 48-1 and Oven (P001)
Activity Description: Preform Machine and Oven

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>
Preform machine 48-1 with a natural gas fired cure oven for fiberglass reinforced plastic parts:	OAC rule 3745-17-07(A)	Visible particulate emissions from this emissions unit shall not exceed 20% opacity as a 6-minute average, except as specified by rule.
binder mix spray-up operation	OAC rule 3745-17-11	Particulate emissions (PE) shall not exceed 0.629 lb/hr from the spray-up operation.
	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from binder usage, whenever photochemically reactive materials are employed. See sections A.I.2.a. and A.I.2.b. below.
cure oven	OAC rule 3745-31-05(A)(3) PTI 02-11131	Organic compound (OC) emissions shall not exceed 6.9 lbs/day from binder usage.
	OAC rule 3745-21-07(G)(1)	OC emissions shall not exceed 3 lbs/hr and 15 lbs/day from binder usage.
	OAC rule 3745-31-05(A)(3) PTI 02-11131	Carbon monoxide (CO) emissions shall not exceed 0.09 lb/hr and 0.39 ton/year from fuel combustion.
	OAC rule 3745-31-05(A)(3) PTI 02-11131	Nitrogen oxides (NOx) emissions shall not exceed 0.10 lb/hr and 0.44 ton/year from fuel combustion.
binder mix spray-up and cure oven	OAC rule 3745-31-05(A)(3) PTI 02-11131	The PE rate shall not exceed 2.84 tons/year from the spray-up operation and fuel combustion. OC emissions shall not exceed 4.09 tons/year from binder usage and fuel combustion.

2. Additional Terms and Conditions

- 2.a The emission limits specified in this rule are less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).
- 2.b This emissions unit is exempt from the organic compound emission limitations specified in OAC rule 3745-21-07(G)(2) because use of photochemically reactive materials is not permitted. A photochemically reactive material is defined by OAC rule 3745-21-01(C)(5) and is determined at the time the material is employed.

II. Operational Restrictions

- 1. The permittee shall burn only natural gas in this emissions unit.
- 2. The permittee shall operate the wire mesh screen whenever this emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

- 1. For purposes of calculating the OC emission rates for this emissions unit, the permittee shall utilize a value of 32.2% as the maximum percentage of the OCs emitted at the spray-up exhaust that are emitted uncontrolled from the spray-up operations. The remaining 67.8% of the OCs employed at the spray-up operation, shall be considered to be the uncontrolled emissions for the cure oven. This "split" of OC emissions between the spray-up operation and the cure oven is based upon in-house testing and engineering estimates conducted on July 7, 1994 at a similar operation at MFG Composite Systems Company (0204010230).
- 2. The permittee shall collect and record the following information for this emissions unit:
 - a. The company identification for each binder mix employed.
 - b. Identification of whether or not each binder mix employed is a photochemically reactive material, as defined in OAC rule 3745-21-01(C).
 - c. The weight of each binder mix employed, in pounds per day.
 - d. The organic compound content of each binder mix, in percent by weight.
 - e. The total potential (prior to applying the spray-up operation/oven "split") daily OC emission rate for all binder mixes, in pounds per day.
 - f. The total potential daily OC emission rate for all binder mixes multiplied by the maximum percentage of the emissions associated with the spray-up operation (as defined in section A.III.1. of this permit), in pounds per day.
 - g. The total potential daily OC emission rate for all binder mixes multiplied by the maximum percentage of the emissions associated with the cure oven (as defined in section A.III.1. of this permit), in pounds per day.
 - h. The total number of hours the emissions unit was in operation.
 - i. The average hourly OC emission rate for the binder mixes from the cure oven, i.e., (g)/(h), in pounds per hour (average).
- 3. For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
- 4. The permittee shall maintain a weekly log of cleanings and of inspections of the physical integrity of the wire mesh screen.
- 5. The permittee shall properly operate the wire mesh screen and check it at least once per day when the emissions unit is in operation. The permittee shall record each day all periods of time during which the wire mesh screen was not in operation when the emissions unit was in operation.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. an identification of each day during which the average hourly OC emissions from binder usage at the cure oven exceeded 3 pounds per hour, and the actual average hourly OC emissions for each such day;
 - b. an identification of each day during which the OC emissions from binder usage at the cure oven exceeded 15 pounds per day, and the actual OC emissions for each such day;
 - c. an identification of each day during which the OC emissions from binder usage at the the spray-up operation exceeded 6.9 pounds per day, and the actual OC emissions for each such day;
 - d. an identification of each day that photochemically reactive binder materials were employed at the spray-up operation; and
 - e. an identification of each day when a fuel other than natural gas was burned in this emissions unit.
2. The permittee shall notify the Northeast District Office in writing of any daily record showing that the wire mesh screen 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 Northeast District Office within 30 days after the event occurs.
3. The permittee shall submit annual reports which specify the total OC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

V. Testing Requirements

1. Compliance with the allowable 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: 20% opacity of visible particulate emissions from the spray-up operation.

Applicable Compliance Method: Compliance shall be determined based upon OAC rule 3745-17-03(B)(1), if required by Ohio EPA.
 - 1.b Emission Limitation: 0.629 lb PE/hr from the spray-up operation.

Applicable Compliance Method(s): If required, the permittee shall demonstrate compliance with this emission limitation through emission tests, performed accordance with 40 CFR Part 60, Appendix A, Methods 1-5.
 - 1.c Emission Limitation: 2.84 TPY PE from the spray-up operation and fuel combustion at the cure oven.

Applicable Compliance Method: To determine the actual, annual worst case PE rate (E_{APE}), in tons per year, the following equation shall be used:

$$E_{APE} = [(Q \times EF) + E_{HPE}] \times 8760 \text{ hrs/yr} \times \text{ton}/2000 \text{ lbs.}$$

where:
Q = maximum natural gas fuel inflow rate, 962 cf/hr as noted in the permit application.

 E_{HPE} = hourly PE rate from the spray-up operation, which is 0.629 pounds per hour, as specified in section A.V.1.b.

EF = emission factor for filterable PE, which is 1.9 lbs PE/1,000,000 cf of natural gas as noted in AP-42 chapter 1.4 (7/98).
 - 1.d Emission Limitation: 3 lbs OC/hr from binder usage at the cure oven.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.2.i.

V. Testing Requirements (continued)

1.e Emission Limitation: 15 lbs OC/day from binder usage at the cure oven.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.2.g.

1.f Emission Limitation: 6.9 lbs OC/day from binder usage at the spray-up operation.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.2.f.

1.g Emission Limitation: 4.09 TPY OC from binder usage and fuel combustion.

Applicable Compliance Method: Compliance shall be based on the following:

i. Determination of the annual OC emission rate from binder usage, EY_{OCb} , shall be the sum of the daily OC emissions rates from binder usage, as specified in section A.III.2.e. of this permit for the calendar year, and divided by 2000 pounds/ton.

ii. Determination of the annual worst case OC emission rate from fuel combustion, EY_{OCf} , shall be made with the following equation:

$$EY_{OCf} = Q \times EF \times 8760 \text{ hrs/year} \times \text{ton}/2000 \text{ lbs.}$$

Where the following applies:

EY_{OCf} = OC emissions, in tons/year.

Q = maximum natural gas fuel inflow rate, 962 cf/hr as noted in the permit application.

EF = emission factor for total OC, which is 11 lbs OC/1,000,000 cf of natural gas as noted in AP-42, chapter 1.4 (7/98).

iii. Determination of total, annual OC emissions, EY_{OCt} shall be made with the following equation:

$$EY_{OCt} = EY_{OCb} + EY_{OCf}.$$

1.h Emission Limitation: 0.09 lb/hr of CO emissions from fuel combustion at the cure oven.

Applicable Compliance Method: To determine the hourly worst case CO emission rate the following equation shall be used:

$$E_{CO} = Q \times EF.$$

Where the following applies:

E_{CO} = CO emissions, in pound per hour.

Q = maximum natural gas fuel inflow rate, 962 cf/hr as noted in the permit application.

EF = emission factor for CO, which is 84 lbs CO/1,000,000 cf of natural gas as noted in AP-42, chapter 1.4 (7/98).

1.i Emission Limitation: 0.39 TPY CO emissions from fuel combustion at the cure oven.

Applicable Compliance Method: To determine the annual worst case CO emission rate (E_{ACO}) in tons per year, the following equation shall be used:

$$E_{ACO} = E_{CO} \times 8760 \text{ hrs/yr} \times \text{ton}/2000 \text{ lbs.}$$

V. Testing Requirements (continued)

- 1.j Emission Limitation: 0.10 lb/hr NO_x emissions from fuel combustion at the cure oven.

Applicable Compliance Method: To determine the hourly worst case NO_x emission rate the following equation shall be used:

$$E_{\text{NO}_x} = Q \times EF.$$

Where the following applies:

E_{NO_x} = NO_x emissions, in pounds per hour.

Q = maximum natural gas fuel inflow rate, 962 cf/hr as noted in the permit application.

EF = emission factor for NO_x, which is 100 lbs CO/1,000,000 cf of natural gas as noted in AP-42, chapter 1.4 (7/98).

- 1.k Emission Limitation: 0.44 TPY NO_x emissions from fuel combustion at the cure oven.

Applicable Compliance Method: To determine the annual worst case NO_x emission rate (E_{NO_x}) in tons per year, the following equation shall be used:

$$E_{\text{ANO}_x} = E_{\text{NO}_x} \times 8760 \text{ hrs/yr} \times \text{ton}/2000 \text{ lbs.}$$

2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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: 72" Preform Machine and Oven (P004)
Activity Description: Preform Machine and Oven

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>
72" preform machine with a natural gas fired cure oven for fiberglass reinforced plastic parts:	OAC rule 3745-17-07(A)	Visible particulate emissions from this emissions unit shall not exceed 20% opacity as a 6-minute average, except as specified by rule.
binder mix spray-up operation	OAC rule 3745-17-11	Particulate emissions (PE) shall not exceed 1.83 lbs/hr.
	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from binder usage, whenever photochemically reactive materials are employed.
	OAC rule 3745-31-05(A)(3) PTI 02-908	OC emissions shall not exceed 7.30 tons/year from binder usage.
cure oven	OAC rule 3745-21-07(G)(1)	OC emissions shall not exceed 3 lbs/hr and 15 lbs/day from binder usage.
	OAC rule 3745-31-05(A)(3) PTI 02-908	OC emissions shall not exceed 2.73 tons/year from binder usage.

2. Additional Terms and Conditions

None

II. Operational Restrictions

- The permittee shall burn only natural gas in this emissions unit.
- The permittee shall operate the wire mesh screen whenever this emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. For purposes of calculating the OC emission rates for this emissions unit, the permittee shall utilize a value of 32.2% as the maximum percentage of the OCs emitted at the spray-up exhaust that are emitted uncontrolled from the spray-up operations. The remaining 67.8% of the OCs employed at the spray-up operation, shall be considered to be the uncontrolled emissions for the cure oven. This "split" of OC emissions between the spray-up operation and the cure oven is based upon in-house testing and engineering estimates conducted on July 7, 1994 at a similar operation at MFG Composite Systems Company (0204010230).
2. The permittee shall collect and record the following information for this emissions unit:
 - a. The company identification for each binder mix employed.
 - b. Identification of whether or not each binder mix employed is a photochemically reactive material, as defined in OAC rule 3745-21-01(C).
 - c. The weight of each binder mix employed, in pounds per day.
 - d. The organic compound content of each binder mix, in percent by weight.
 - e. The total potential (prior to applying the spray-up operation/oven "split") daily OC emission rate for all binder mixes, in pounds per day.
 - f. The total potential daily OC emission rate for all binder mixes multiplied by the maximum percentage of the emissions associated with the spray-up operation (as defined in section A.III.1. of this permit), in pounds per day.
 - g. The total potential daily OC emission rate for all binder mixes multiplied by the maximum percentage of the emissions associated with the cure oven (as defined in section A.III.1. of this permit), in pounds per day.
 - h. The total number of hours the emissions unit was in operation.
 - i. The average hourly OC emission rate for the binder mixes from the spray-up operation, i.e., (f)/(h), in pounds per hour (average).
 - j. The average hourly OC emission rate for the binder mixes from the cure oven, i.e., (g)/(h), in pounds per hour (average).
3. For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
4. The permittee shall maintain a weekly log of cleanings and of inspections of the physical integrity of the wire mesh screen.
5. The permittee shall properly operate the wire mesh screen and check it at least once per day when the emissions unit is in operation. The permittee shall record each day all periods of time during which the wire mesh screen was not in operation when the emissions unit was in operation.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. an identification of each day during which the average hourly OC emissions from binder usage at the cure oven exceeded 3 pounds per hour, and the actual average hourly OC emissions for each such day;
 - b. an identification of each day during which the OC emissions from binder usage at the cure oven exceeded 15 pounds per day, and the actual OC emissions for each such day;
 - c. an identification of each day during which the average hourly OC emissions from binder usage at the spray-up operation exceeded 8 pounds per hour whenever photochemically reactive materials are employed, and the actual average hourly OC emissions for each such day;
 - d. an identification of each day during which the OC emissions from binder usage at the spray-up operation exceeded 40 pounds per day whenever photochemically reactive materials are employed, and the actual OC emissions for each such day; and
 - e. an identification of each day when a fuel other than natural gas was burned in this emissions unit.
2. The permittee shall notify the Northeast District Office in writing of any daily record showing that the wire mesh screen 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 Northeast District Office within 30 days after the event occurs.
3. The permittee shall submit annual reports which specify the total OC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

V. Testing Requirements

1. Compliance with the allowable 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: 20% opacity of visible particulate emissions from the spray-up operation.

Applicable Compliance Method: Compliance shall be determined based upon OAC rule 3745-17-03(B)(1), if required by Ohio EPA.
 - 1.b Emission Limitation: 1.83 lbs PE/hr from the spray-up operation.

Applicable Compliance Method(s):

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests, performed accordance with 40 CFR Part 60, Appendix A, Methods 1-5.
 - 1.c Emission Limitation: 3 lbs OC/hr from binder usage at the cure oven.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.2.j.
 - 1.d Emission Limitation: 15 lbs OC/day from binder usage at the cure oven.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.2.g.
 - 1.e Emission Limitation: 2.73 TPY OC from binder usage at the cure oven.

Applicable Compliance Method: Compliance shall be based on the record keeping specified in section A.III.2.g. of this permit and shall be the sum of the daily OC emissions rates for the calendar year divided by 2000 lbs/ton.
 - 1.f Emission Limitation: 8 lbs OC/hr from binder usage at the spray-up operation.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.2.i.

V. Testing Requirements (continued)

1.g Emission Limitation: 40 lbs OC/day from binder usage at the spray-up operation.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.2.f.

1.h Emission Limitation: 7.3 TPY OC from binder usage at the spray-up operation.

Applicable Compliance Method: Compliance shall be based on the record keeping specified in section A.III.2.f. of this permit and shall be the sum of the daily OC emissions rates for the calendar year divided by 2000 lbs/ton.

2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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: Preform Machine 48-3 and oven (P007)

Activity Description: Preform Machine and oven

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>
Preform machine 48-3 with a natural gas fired cure oven for fiberglass reinforced plastic parts:	OAC rule 3745-17-07(A)	Visible particulate emissions from this emissions unit shall not exceed 20% opacity as a 6-minute average, except as specified by rule.
binder mix spray-up operation	OAC rule 3745-17-11	Particulate emissions (PE) shall not exceed 0.629 lb/hr from the spray-up operation.
	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from binder usage, whenever photochemically reactive materials are employed. See sections A.I.2.a. and A.I.2.b. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11131	Organic compound (OC) emissions shall not exceed 6.9 lbs/day from binder usage.
cure oven	OAC rule 3745-21-07(G)(1)	OC emissions shall not exceed 3 lbs/hr and 15 lbs/day from binder usage.
	OAC rule 3745-31-05(A)(3) PTI 02-11131	Carbon monoxide (CO) emissions shall not exceed 0.09 lb/hr and 0.39 ton/year from fuel combustion.
	OAC rule 3745-31-05(A)(3) PTI 02-11131	Nitrogen oxides (NOx) emissions shall not exceed 0.10 lb/hr and 0.44 ton/year from fuel combustion.
binder mix spray-up and cure oven	OAC rule 3745-31-05(A)(3) PTI 02-11131	The PE rate shall not exceed 2.84 tons/year from the spray-up operation and fuel combustion. OC emissions shall not exceed 4.09 tons/year from binder usage and fuel combustion.

2. Additional Terms and Conditions

- 2.a** The emission limits specified in this rule are less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).
- 2.b** This emissions unit is exempt from the organic compound emission limitations specified in OAC rule 3745-21-07(G)(2) because use of photochemically reactive materials is not permitted. A photochemically reactive material is defined by OAC rule 3745-21-01(C)(5) and is determined at the time the material is employed.

II. Operational Restrictions

1. The permittee shall burn only natural gas in this emissions unit.
2. The permittee shall operate the wire mesh screen whenever this emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. For purposes of calculating the OC emission rates for this emissions unit, the permittee shall utilize a value of 32.2% as the maximum percentage of the OCs emitted at the spray-up exhaust that are emitted uncontrolled from the spray-up operations. The remaining 67.8% of the OCs employed at the spray-up operation, shall be considered to be the uncontrolled emissions for the cure oven. This "split" of OC emissions between the spray-up operation and the cure oven is based upon in-house testing and engineering estimates conducted on July 7, 1994 at a similar operation at MFG Composite Systems Company (0204010230).
2. The permittee shall collect and record the following information for this emissions unit:
 - a. The company identification for each binder mix employed.
 - b. Identification of whether or not each binder mix employed is a photochemically reactive material, as defined in OAC rule 3745-21-01(C).
 - c. The weight of each binder mix employed, in pounds per day.
 - d. The organic compound content of each binder mix, in percent by weight.
 - e. The total potential (prior to applying the spray-up operation/oven "split") daily OC emission rate for all binder mixes, in pounds per day.
 - f. The total potential daily OC emission rate for all binder mixes multiplied by the maximum percentage of the emissions associated with the spray-up operation (as defined in section A.III.1. of this permit), in pounds per day.
 - g. The total potential daily OC emission rate for all binder mixes multiplied by the maximum percentage of the emissions associated with the cure oven (as defined in section A.III.1. of this permit), in pounds per day.
 - h. The total number of hours the emissions unit was in operation.
 - i. The average hourly OC emission rate for the binder mixes from the cure oven, i.e., (g)/(h), in pounds per hour (average).
3. For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
4. The permittee shall maintain a weekly log of cleanings and of inspections of the physical integrity of the wire mesh screen.
5. The permittee shall properly operate the wire mesh screen and check it at least once per day when the emissions unit is in operation. The permittee shall record each day all periods of time during which the wire mesh screen was not in operation when the emissions unit was in operation.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. an identification of each day during which the average hourly OC emissions from binder usage at the cure oven exceeded 3 pounds per hour, and the actual average hourly OC emissions for each such day;
 - b. an identification of each day during which the OC emissions from binder usage at the cure oven exceeded 15 pounds per day, and the actual OC emissions for each such day;
 - c. an identification of each day during which the OC emissions from binder usage at the the spray-up operation exceeded 6.9 pounds per day, and the actual OC emissions for each such day;
 - d. an identification of each day that photochemically reactive binder materials were employed at the spray-up operation; and
 - e. an identification of each day when a fuel other than natural gas was burned in this emissions unit.
2. The permittee shall notify the Northeast District Office in writing of any daily record showing that the wire mesh screen 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 Northeast District Office within 30 days after the event occurs.
3. The permittee shall submit annual reports which specify the total OC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

V. Testing Requirements

1. Compliance with the allowable 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: 20% opacity of visible particulate emissions from the spray-up operation.

Applicable Compliance Method: Compliance shall be determined based upon OAC rule 3745-17-03(B)(1), if required by Ohio EPA.
 - 1.b Emission Limitation: 0.629 lb PE/hr from the spray-up operation.

Applicable Compliance Method(s): If required, the permittee shall demonstrate compliance with this emission limitation through emission tests, performed accordance with 40 CFR Part 60, Appendix A, Methods 1-5.
 - 1.c Emission Limitation: 2.84 TPY PE from the spray-up operation and fuel combustion at the cure oven.

Applicable Compliance Method: To determine the actual, annual worst case PE rate (E_{APE}), in tons per year, the following equation shall be used:

$$E_{APE} = [(Q \times EF) + E_{HPE}] \times 8760 \text{ hrs/yr} \times \text{ton}/2000 \text{ lbs.}$$

where:
Q = maximum natural gas fuel inflow rate, 962 cf/hr as noted in the permit application.

 E_{HPE} = hourly PE rate from the spray-up operation, which is 0.629 pounds per hour, as specified in section A.V.1.b.

EF = emission factor for filterable PE, which is 1.9 lbs PE/1,000,000 cf of natural gas as noted in AP-42 chapter 1.4 (7/98).
 - 1.d Emission Limitation: 3 lbs OC/hr from binder usage at the cure oven.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.2.i.

V. Testing Requirements (continued)

1.e Emission Limitation: 15 lbs OC/day from binder usage at the cure oven.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.2.g.

1.f Emission Limitation: 6.9 lbs OC/day from binder usage at the spray-up operation.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.2.f.

1.g Emission Limitation: 4.09 TPY OC from binder usage and fuel combustion.

Applicable Compliance Method: Compliance shall be based on the following:

i. Determination of the annual OC emission rate from binder usage, EY_{OCb} , shall be the sum of the daily OC emissions rates from binder usage, as specified in section A.III.2.e. of this permit for the calendar year, and divided by 2000 pounds/ton.

ii. Determination of the annual worst case OC emission rate from fuel combustion, EY_{OCf} , shall be made with the following equation:

$$EY_{OCf} = Q \times EF \times 8760 \text{ hrs/year} \times \text{ton}/2000 \text{ lbs.}$$

Where the following applies:

EY_{OCf} = OC emissions, in tons/year.

Q = maximum natural gas fuel inflow rate, 962 cf/hr as noted in the permit application.

EF = emission factor for total OC, which is 11 lbs OC/1,000,000 cf of natural gas as noted in AP-42, chapter 1.4 (7/98).

iii. Determination of total, annual OC emissions, EY_{OCt} shall be made with the following equation:

$$EY_{OCt} = EY_{OCb} + EY_{OCf}.$$

1.h Emission Limitation: 0.09 lb/hr of CO emissions from fuel combustion at the cure oven.

Applicable Compliance Method: To determine the hourly worst case CO emission rate the following equation shall be used:

$$E_{CO} = Q \times EF.$$

Where the following applies:

E_{CO} = CO emissions, in pound per hour.

Q = maximum natural gas fuel inflow rate, 962 cf/hr as noted in the permit application.

EF = emission factor for CO, which is 84 lbs CO/1,000,000 cf of natural gas as noted in AP-42, chapter 1.4 (7/98).

1.i Emission Limitation: 0.39 TPY CO emissions from fuel combustion at the cure oven.

Applicable Compliance Method: To determine the annual worst case CO emission rate (E_{ACO}) in tons per year, the following equation shall be used:

$$E_{ACO} = E_{CO} \times 8760 \text{ hrs/yr} \times \text{ton}/2000 \text{ lbs.}$$

V. Testing Requirements (continued)

- 1.j Emission Limitation: 0.10 lb/hr NO_x emissions from fuel combustion at the cure oven.

Applicable Compliance Method: To determine the hourly worst case NO_x emission rate the following equation shall be used:

$$E_{\text{NO}_x} = Q \times EF.$$

Where the following applies:

E_{NO_x} = NO_x emissions, in pounds per hour.

Q = maximum natural gas fuel inflow rate, 962 cf/hr as noted in the permit application.

EF = emission factor for NO_x, which is 100 lbs CO/1,000,000 cf of natural gas as noted in AP-42, chapter 1.4 (7/98).

- 1.k Emission Limitation: 0.44 TPY NO_x emissions from fuel combustion at the cure oven.

Applicable Compliance Method: To determine the annual worst case NO_x emission rate (E_{NO_x}) in tons per year, the following equation shall be used:

$$E_{\text{ANO}_x} = E_{\text{NO}_x} \times 8760 \text{ hrs/yr} \times \text{ton}/2000 \text{ lbs.}$$

2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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: Preform Machine 48-4 and oven (P008)

Activity Description: Preform Machine and oven

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>
Preform machine 48-4 with a natural gas fired cure oven for fiberglass reinforced plastic parts:	OAC rule 3745-17-07(A)	Visible particulate emissions from this emissions unit shall not exceed 20% opacity as a 6-minute average, except as specified by rule.
binder mix spray-up operation	OAC rule 3745-17-11	Particulate emissions (PE) shall not exceed 0.629 lb/hr from the spray-up operation.
	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from binder usage, whenever photochemically reactive materials are employed. See sections A.I.2.a. and A.I.2.b. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11131	Organic compound (OC) emissions shall not exceed 6.9 lbs/day from binder usage.
cure oven	OAC rule 3745-21-07(G)(1)	OC emissions shall not exceed 3 lbs/hr and 15 lbs/day from binder usage.
	OAC rule 3745-31-05(A)(3) PTI 02-11131	Carbon monoxide (CO) emissions shall not exceed 0.09 lb/hr and 0.39 ton/year from fuel combustion.
	OAC rule 3745-31-05(A)(3) PTI 02-11131	Nitrogen oxides (NOx) emissions shall not exceed 0.10 lb/hr and 0.44 ton/year from fuel combustion.
binder mix spray-up and cure oven	OAC rule 3745-31-05(A)(3) PTI 02-11131	The PE rate shall not exceed 2.84 tons/year from the spray-up operation and fuel combustion. OC emissions shall not exceed 4.09 tons/year from binder usage and fuel combustion.

2. Additional Terms and Conditions

- 2.a** The emission limits specified in this rule are less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).
- 2.b** This emissions unit is exempt from the organic compound emission limitations specified in OAC rule 3745-21-07(G)(2) because use of photochemically reactive materials is not permitted. A photochemically reactive material is defined by OAC rule 3745-21-01(C)(5) and is determined at the time the material is employed.

II. Operational Restrictions

1. The permittee shall burn only natural gas in this emissions unit.
2. The permittee shall operate the wire mesh screen whenever this emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. For purposes of calculating the OC emission rates for this emissions unit, the permittee shall utilize a value of 32.2% as the maximum percentage of the OCs emitted at the spray-up exhaust that are emitted uncontrolled from the spray-up operations. The remaining 67.8% of the OCs employed at the spray-up operation, shall be considered to be the uncontrolled emissions for the cure oven. This "split" of OC emissions between the spray-up operation and the cure oven is based upon in-house testing and engineering estimates conducted on July 7, 1994 at a similar operation at MFG Composite Systems Company (0204010230).
2. The permittee shall collect and record the following information for this emissions unit:
 - a. The company identification for each binder mix employed.
 - b. Identification of whether or not each binder mix employed is a photochemically reactive material, as defined in OAC rule 3745-21-01(C).
 - c. The weight of each binder mix employed, in pounds per day.
 - d. The organic compound content of each binder mix, in percent by weight.
 - e. The total potential (prior to applying the spray-up operation/oven "split") daily OC emission rate for all binder mixes, in pounds per day.
 - f. The total potential daily OC emission rate for all binder mixes multiplied by the maximum percentage of the emissions associated with the spray-up operation (as defined in section A.III.1. of this permit), in pounds per day.
 - g. The total potential daily OC emission rate for all binder mixes multiplied by the maximum percentage of the emissions associated with the cure oven (as defined in section A.III.1. of this permit), in pounds per day.
 - h. The total number of hours the emissions unit was in operation.
 - i. The average hourly OC emission rate for the binder mixes from the cure oven, i.e., (g)/(h), in pounds per hour (average).
3. For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
4. The permittee shall maintain a weekly log of cleanings and of inspections of the physical integrity of the wire mesh screen.
5. The permittee shall properly operate the wire mesh screen and check it at least once per day when the emissions unit is in operation. The permittee shall record each day all periods of time during which the wire mesh screen was not in operation when the emissions unit was in operation.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. an identification of each day during which the average hourly OC emissions from binder usage at the cure oven exceeded 3 pounds per hour, and the actual average hourly OC emissions for each such day;
 - b. an identification of each day during which the OC emissions from binder usage at the cure oven exceeded 15 pounds per day, and the actual OC emissions for each such day;
 - c. an identification of each day during which the OC emissions from binder usage at the the spray-up operation exceeded 6.9 pounds per day, and the actual OC emissions for each such day;
 - d. an identification of each day that photochemically reactive binder materials were employed at the spray-up operation; and
 - e. an identification of each day when a fuel other than natural gas was burned in this emissions unit.
2. The permittee shall notify the Northeast District Office in writing of any daily record showing that the wire mesh screen 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 Northeast District Office within 30 days after the event occurs.
3. The permittee shall submit annual reports which specify the total OC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

V. Testing Requirements

1. Compliance with the allowable 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: 20% opacity of visible particulate emissions from the spray-up operation.

Applicable Compliance Method: Compliance shall be determined based upon OAC rule 3745-17-03(B)(1), if required by Ohio EPA.
 - 1.b Emission Limitation: 0.629 lb PE/hr from the spray-up operation.

Applicable Compliance Method(s): If required, the permittee shall demonstrate compliance with this emission limitation through emission tests, performed accordance with 40 CFR Part 60, Appendix A, Methods 1-5.
 - 1.c Emission Limitation: 2.84 TPY PE from the spray-up operation and fuel combustion at the cure oven.

Applicable Compliance Method: To determine the actual, annual worst case PE rate (E_{APE}), in tons per year, the following equation shall be used:

$$E_{APE} = [(Q \times EF) + E_{HPE}] \times 8760 \text{ hrs/yr} \times \text{ton}/2000 \text{ lbs.}$$

where:
Q = maximum natural gas fuel inflow rate, 962 cf/hr as noted in the permit application.

 E_{HPE} = hourly PE rate from the spray-up operation, which is 0.629 pounds per hour, as specified in section A.V.1.b.

EF = emission factor for filterable PE, which is 1.9 lbs PE/1,000,000 cf of natural gas as noted in AP-42 chapter 1.4 (7/98).
 - 1.d Emission Limitation: 3 lbs OC/hr from binder usage at the cure oven.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.2.i.

V. Testing Requirements (continued)

1.e Emission Limitation: 15 lbs OC/day from binder usage at the cure oven.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.2.g.

1.f Emission Limitation: 6.9 lbs OC/day from binder usage at the spray-up operation.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.2.f.

1.g Emission Limitation: 4.09 TPY OC from binder usage and fuel combustion.

Applicable Compliance Method: Compliance shall be based on the following:

i. Determination of the annual OC emission rate from binder usage, EY_{OCb} , shall be the sum of the daily OC emissions rates from binder usage, as specified in section A.III.2.e. of this permit for the calendar year, and divided by 2000 pounds/ton.

ii. Determination of the annual worst case OC emission rate from fuel combustion, EY_{OCf} , shall be made with the following equation:

$$EY_{OCf} = Q \times EF \times 8760 \text{ hrs/year} \times \text{ton}/2000 \text{ lbs.}$$

Where the following applies:

EY_{OCf} = OC emissions, in tons/year.

Q = maximum natural gas fuel inflow rate, 962 cf/hr as noted in the permit application.

EF = emission factor for total OC, which is 11 lbs OC/1,000,000 cf of natural gas as noted in AP-42, chapter 1.4 (7/98).

iii. Determination of total, annual OC emissions, EY_{OCt} shall be made with the following equation:

$$EY_{OCt} = EY_{OCb} + EY_{OCf}.$$

1.h Emission Limitation: 0.09 lb/hr of CO emissions from fuel combustion at the cure oven.

Applicable Compliance Method: To determine the hourly worst case CO emission rate the following equation shall be used:

$$E_{CO} = Q \times EF.$$

Where the following applies:

E_{CO} = CO emissions, in pound per hour.

Q = maximum natural gas fuel inflow rate, 962 cf/hr as noted in the permit application.

EF = emission factor for CO, which is 84 lbs CO/1,000,000 cf of natural gas as noted in AP-42, chapter 1.4 (7/98).

1.i Emission Limitation: 0.39 TPY CO emissions from fuel combustion at the cure oven.

Applicable Compliance Method: To determine the annual worst case CO emission rate (E_{ACO}) in tons per year, the following equation shall be used:

$$E_{ACO} = E_{CO} \times 8760 \text{ hrs/yr} \times \text{ton}/2000 \text{ lbs.}$$

V. Testing Requirements (continued)

- 1.j Emission Limitation: 0.10 lb/hr NO_x emissions from fuel combustion at the cure oven.

Applicable Compliance Method: To determine the hourly worst case NO_x emission rate the following equation shall be used:

$$E_{\text{NO}_x} = Q \times EF.$$

Where the following applies:

E_{NO_x} = NO_x emissions, in pounds per hour.

Q = maximum natural gas fuel inflow rate, 962 cf/hr as noted in the permit application.

EF = emission factor for NO_x, which is 100 lbs CO/1,000,000 cf of natural gas as noted in AP-42, chapter 1.4 (7/98).

- 1.k Emission Limitation: 0.44 TPY NO_x emissions from fuel combustion at the cure oven.

Applicable Compliance Method: To determine the annual worst case NO_x emission rate (E_{NO_x}) in tons per year, the following equation shall be used:

$$E_{\text{ANO}_x} = E_{\text{NO}_x} \times 8760 \text{ hrs/yr} \times \text{ton}/2000 \text{ lbs.}$$

2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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: 80" Preform Machine and oven (P009)

Activity Description: Preform Machine and oven

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>
80" Preform machine with a natural gas fired cure oven for fiberglass reinforced plastic parts:	OAC rule 3745-17-07(A)	Visible particulate emissions from this emissions unit shall not exceed 20% opacity as a 6-minute average, except as specified by rule.
binder mix spray-up operation	OAC rule 3745-17-11	Particulate emissions (PE) shall not exceed 1.83 lbs/hr from the spray-up operation.
	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from binder usage, whenever photochemically reactive materials are employed. See sections A.I.2.a. and A.I.2.b. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11131	Organic compound (OC) emissions shall not exceed 6.9 lbs/day from binder usage.
cure oven	OAC rule 3745-21-07(G)(1)	OC emissions shall not exceed 3 lbs/hr and 15 lbs/day from binder usage.
	OAC rule 3745-31-05(A)(3) PTI 02-11131	Carbon monoxide (CO) emissions shall not exceed 0.39 lb/hr and 1.71 ton/year from fuel combustion.
	OAC rule 3745-31-05(A)(3) PTI 02-11131	Nitrogen oxides (NOx) emissions shall not exceed 0.39 lb/hr and 1.71 ton/year from fuel combustion.
binder mix spray-up and cure oven	OAC rule 3745-31-05(A)(3) PTI 02-11131	The PE rate shall not exceed 8.36 tons/year from the spray-up operation and fuel combustion. OC emissions shall not exceed 4.18 tons/year from binder usage and fuel combustion.

2. Additional Terms and Conditions

- 2.a** The emission limits specified in this rule are less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).
- 2.b** This emissions unit is exempt from the organic compound emission limitations specified in OAC rule 3745-21-07(G)(2) because use of photochemically reactive materials is not permitted. A photochemically reactive material is defined by OAC rule 3745-21-01(C)(5) and is determined at the time the material is employed.

II. Operational Restrictions

1. The permittee shall burn only natural gas in this emissions unit.
2. The permittee shall operate the wire mesh screen whenever this emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. For purposes of calculating the OC emission rates for this emissions unit, the permittee shall utilize a value of 32.2% as the maximum percentage of the OCs emitted at the spray-up exhaust that are emitted uncontrolled from the spray-up operations. The remaining 67.8% of the OCs employed at the spray-up operation, shall be considered to be the uncontrolled emissions for the cure oven. This "split" of OC emissions between the spray-up operation and the cure oven is based upon in-house testing and engineering estimates conducted on July 7, 1994 at a similar operation at MFG Composite Systems Company (0204010230).
2. The permittee shall collect and record the following information for this emissions unit:
 - a. The company identification for each binder mix employed.
 - b. Identification of whether or not each binder mix employed is a photochemically reactive material, as defined in OAC rule 3745-21-01(C).
 - c. The weight of each binder mix employed, in pounds per day.
 - d. The organic compound content of each binder mix, in percent by weight.
 - e. The total potential (prior to applying the spray-up operation/oven "split") daily OC emission rate for all binder mixes, in pounds per day.
 - f. The total potential daily OC emission rate for all binder mixes multiplied by the maximum percentage of the emissions associated with the spray-up operation (as defined in section A.III.1. of this permit), in pounds per day.
 - g. The total potential daily OC emission rate for all binder mixes multiplied by the maximum percentage of the emissions associated with the cure oven (as defined in section A.III.1. of this permit), in pounds per day.
 - h. The total number of hours the emissions unit was in operation.
 - i. The average hourly OC emission rate for the binder mixes from the cure oven, i.e., (g)/(h), in pounds per hour (average).
3. For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
4. The permittee shall maintain a weekly log of cleanings and of inspections of the physical integrity of the wire mesh screen.
5. The permittee shall properly operate the wire mesh screen and check it at least once per day when the emissions unit is in operation. The permittee shall record each day all periods of time during which the wire mesh screen was not in operation when the emissions unit was in operation.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. an identification of each day during which the average hourly OC emissions from binder usage at the cure oven exceeded 3 pounds per hour, and the actual average hourly OC emissions for each such day;
 - b. an identification of each day during which the OC emissions from binder usage at the cure oven exceeded 15 pounds per day, and the actual OC emissions for each such day;
 - c. an identification of each day during which the OC emissions from binder usage at the the spray-up operation exceeded 6.9 pounds per day, and the actual OC emissions for each such day;
 - d. an identification of each day that photochemically reactive binder materials were employed at the spray-up operation; and
 - e. an identification of each day when a fuel other than natural gas was burned in this emissions unit.
2. The permittee shall notify the Northeast District Office in writing of any daily record showing that the wire mesh screen 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 Northeast District Office within 30 days after the event occurs.
3. The permittee shall submit annual reports which specify the total OC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

V. Testing Requirements

1. Compliance with the allowable 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: 20% opacity of visible particulate emissions from the spray-up operation.

Applicable Compliance Method: Compliance shall be determined based upon OAC rule 3745-17-03(B)(1), if required by Ohio EPA.
 - 1.b Emission Limitation: 1.83 lbs PE/hr from the spray-up operation.

Applicable Compliance Method(s): If required, the permittee shall demonstrate compliance with this emission limitation through emission tests, performed accordance with 40 CFR Part 60, Appendix A, Methods 1-5.
 - 1.c Emission Limitation: 8.36 TPY PE from the spray-up operation and fuel combustion at the cure oven.

Applicable Compliance Method: To determine the actual, annual worst case PE rate (E_{APE}), in tons per year, the following equation shall be used:

$$E_{APE} = [(Q \times EF) + E_{HPE}] \times 8760 \text{ hrs/yr} \times \text{ton}/2000 \text{ lbs.}$$

where:
Q = maximum natural gas fuel inflow rate, 3,846 cf/hr as noted in the permit application.

 E_{HPE} = hourly PE rate from the spray-up operation, which is 1.83 pounds per hour, as specified in section A.V.1.b.

EF = emission factor for filterable PE, which is 1.9 lbs PE/1,000,000 cf of natural gas as noted in AP-42 chapter 1.4 (7/98).
 - 1.d Emission Limitation: 3 lbs OC/hr from binder usage at the cure oven.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.2.i.

V. Testing Requirements (continued)

- 1.e** Emission Limitation: 15 lbs OC/day from binder usage at the cure oven.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.2.g.

- 1.f** Emission Limitation: 6.9 lbs OC/day from binder usage at the spray-up operation.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.2.f.

- 1.g** Emission Limitation: 4.18 TPY OC from binder usage and fuel combustion.

Applicable Compliance Method: Compliance shall be based on the following:

i. Determination of the annual OC emission rate from binder usage, EY_{OCb} , shall be the sum of the daily OC emissions rates from binder usage, as specified in section A.III.2.e. of this permit for the calendar year, and divided by 2000 pounds/ton.

ii. Determination of the annual worst case OC emission rate from fuel combustion, EY_{OCf} , shall be made with the following equation:

$$EY_{OCf} = Q \times EF \times 8760 \text{ hrs/year} \times \text{ton}/2000 \text{ lbs.}$$

Where the following applies:

EY_{OCf} = OC emissions, in tons/year.

Q = maximum natural gas fuel inflow rate, 3,846 cf/hr as noted in the permit application.

EF = emission factor for total OC, which is 11 lbs OC/1,000,000 cf of natural gas as noted in AP-42, chapter 1.4 (7/98).

iii. Determination of total, annual OC emissions, EY_{OCt} shall be made with the following equation:

$$EY_{OCt} = EY_{OCb} + EY_{OCf}.$$

- 1.h** Emission Limitation: 0.39 lb/hr of CO emissions from fuel combustion at the cure oven.

Applicable Compliance Method: To determine the hourly worst case CO emission rate the following equation shall be used:

$$E_{CO} = Q \times EF.$$

Where the following applies:

E_{CO} = CO emissions, in pound per hour.

Q = maximum natural gas fuel inflow rate, 3846 cf/hr as noted in the permit application.

EF = emission factor for CO, which is 84 lbs CO/1,000,000 cf of natural gas as noted in AP-42, chapter 1.4 (7/98).

- 1.i** Emission Limitation: 1.71 TPY CO emissions from fuel combustion at the cure oven.

Applicable Compliance Method: To determine the annual worst case CO emission rate (E_{ACO}) in tons per year, the following equation shall be used:

$$E_{ACO} = E_{CO} \times 8760 \text{ hrs/yr} \times \text{ton}/2000 \text{ lbs.}$$

V. Testing Requirements (continued)

- 1.j Emission Limitation: 0.39 lb/hr NO_x emissions from fuel combustion at the cure oven.

Applicable Compliance Method: To determine the hourly worst case NO_x emission rate the following equation shall be used:

$$E_{\text{NO}_x} = Q \times EF.$$

Where the following applies:

E_{NO_x} = NO_x emissions, in pounds per hour.

Q = maximum natural gas fuel inflow rate, 3846 cf/hr as noted in the permit application.

EF = emission factor for NO_x, which is 100 lbs CO/1,000,000 cf of natural gas as noted in AP-42, chapter 1.4 (7/98).

- 1.k Emission Limitation: 1.71 TPY NO_x emissions from fuel combustion at the cure oven.

Applicable Compliance Method: To determine the annual worst case NO_x emission rate (E_{NO_x}) in tons per year, the following equation shall be used:

$$E_{\text{ANO}_x} = E_{\text{NO}_x} \times 8760 \text{ hrs/yr} \times \text{ton}/2000 \text{ lbs.}$$

2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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: Mixer #1 (P010)
Activity Description: Mixer

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>
Mixer #1 for resin wet mix	OAC rule 3745-17-07(A)	Visible particulate emissions from this emissions unit shall not exceed 20% opacity as a 6-minute average, except as specified by rule.
	OAC rule 3745-17-11	Particulate emissions (PE) shall not exceed 2.65 lbs/hr. See section A.1.2.a below.
	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day, excluding emissions from non-photochemically reactive cleanup materials. See sections A.1.2.a. and A.1.2.b. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11131	Particulate emissions (PE) shall not exceed 1.05 lbs/hr and 4.60 tons/year. OC emissions shall not exceed 8 lbs/hr, 40 lbs/day and 7.3 tons/year, including emissions from cleanup materials.

2. Additional Terms and Conditions

- 2.a The emissions limits based on this applicable rule are less stringent than the limit(s) established pursuant to OAC rule 3745-31-05(A)(3).
- 2.b The OC emissions from the mix operations consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).

II. Operational Restrictions

1. The permittee shall operate the settling chamber particulate control system whenever this emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain a weekly log of cleanings and of inspections for the physical integrity of the settling chamber.

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

2. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each mix manufactured and each cleanup material employed.
 - b. The number of pounds of each mix manufactured.
 - c. The organic compound content of each mix manufactured , in percent by weight.
 - d. The volume of each cleanup material dispensed, in gallons per day.
 - e. The volume of each cleanup material returned, in gallons per day.
 - f. The volume of each evaporated cleanup material, which is estimated by subtracting the volume of returned cleanup material from the volume of dispensed cleanup material, in gallons per day.
 - g. The organic compound content of each cleanup material, in pounds per gallon.
 - h. The total organic compound emission rate for all mixes and all cleanup materials, in pounds per day.
 - i. The total number of hours the emissions unit was in operation.
 - j. The average hourly organic compound emission rate for all mixes and cleanup materials, i. e., (h)/(i), in pounds per hour.

IV. Reporting Requirements

1. The permittee shall notify the Northeast District Office in writing of any daily record showing that the settling chamber 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 Northeast District Office within 30 days after the event occurs.
2. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the mixes and cleanup materials exceeded 8 pounds per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the mixes and cleanup materials exceeded 40 pounds per day, and the actual OC emissions for each such day.
3. The permittee shall submit annual reports which specify the total OC and particulate emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

V. Testing Requirements

1. Compliance with the emissions limitation(s) in section A.I.1. of these terms and conditions shall be determined in accordance with the following method(s):
 - 1.a Emission Limitation: 20% opacity of visible particulate emissions

Applicable Compliance Method: Compliance shall be determined based upon OAC rule 3745-17-03(B)(1), if required by Ohio EPA.

V. Testing Requirements (continued)

1.b Emission Limitation: 1.05 lbs PE/hr

Applicable Compliance Method(s): To determine the worst case PE rate, the following equation shall be used:

$$E_{PE} = P \times DS \times EF \times (1 - CE)$$

Where the following applies:

E_{PE} = PE, in pounds per hour

P = maximum production rate, which is 1732 pounds per hour as noted in the permit application.

DS = maximum dry solids content, which is 60.2% by weight as noted in the application.

EF = emission factor for uncontrolled PE, which is 0.01 pounds of uncontrolled PE per pound of dry solid material processed, as noted in AP-42 chapter 6.4 (5/83).

CE = control efficiency of PE control device, which is 90% as noted in the permit application.

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed accordance with 40 CFR Part 60, Appendix A, Methods 1-5.

1.c Emission Limitation: 4.60 tons PE/year

Applicable Compliance Method: To determine the annual worst case PE rate, the worst case hourly rate, as determined from the equation as noted in section A.V.1. b., shall be multiplied by 8760 hrs/yr and divided by 2000 lbs/ton.

1.d Emission Limitation: 8 lbs OC/hr, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the record keeping specified in section A. III.2.j. If required, the permittee shall use U.S. EPA Method 18, 25 or 25A, as appropriate.

V. Testing Requirements (continued)

1.e Emission Limitation: 40 lbs OC/day, including emissions from cleanup materials.

Applicable Compliance Methods: Compliance shall be determined based upon the following equations:

i. Determination of organic compound emissions for all mixes:

$$E(\text{mix}) = \text{summation of } (W_i \times OC_i) \times EF$$

Where the following applies:

$$E(\text{mix}) = \text{OC emissions from the mix operations, in pounds per day.}$$

W_i = the weight of mix "i" produced, in pounds per day.

OC_i = the OC content of mix "i", in per cent by weight.

EF = the emission factor for OC emissions, which is 0.01 pounds per pound of available OC content, as noted in AP-42 chapter 6.4 (5/83).

ii. Determination of organic compound emissions for all cleanup materials:

$$E(\text{cleanup}) = \text{summation of } (V_i \times OC_i)$$

Where the following applies:

$$E(\text{cleanup}) = \text{OC emissions from the cleanup materials, in pounds per day.}$$

V_i = the volume of evaporated cleanup material, as specified in section A.III.2.f., in gallons per day.

OC_i = the OC content of cleanup material "i", in per pounds per gallon.

iii. Determination of organic compound emissions for all mixes and all cleanup materials:

$$EOC(\text{lbs/day}) = E(\text{mix}) + E(\text{cleanup}).$$

1.f Emission Limitation: 7.3 TPY OC, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be based on the sum of the daily OC emission rates from the mixing operation and cleanup materials, $EOC(\text{lbs/day})$, as specified in section A.V.1.e. of this permit for the calendar year, and shall be divided by 2000 pounds/ton.

2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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: Mixer #2 (P011)
Activity Description: Mixer

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>
Mixer #2 for resin wet mix	OAC rule 3745-17-07(A)	Visible particulate emissions from this emissions unit shall not exceed 20% opacity as a 6-minute average, except as specified by rule.
	OAC rule 3745-17-11	Particulate emissions (PE) shall not exceed 2.65 lbs/hr. See section A.1.2.a below.
	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day, excluding emissions from non-photochemically reactive cleanup materials. See sections A.1.2.a. and A.1.2.b. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11131	Particulate emissions (PE) shall not exceed 1.05 lbs/hr and 4.60 tons/year. OC emissions shall not exceed 8 lbs/hr, 40 lbs/day and 7.3 tons/year, including emissions from cleanup materials.

2. Additional Terms and Conditions

- The emissions limits based on this applicable rule are less stringent than the limits established pursuant to OAC rule 3745-31-05(A)(3).
- The OC emissions from the mix operations consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).

II. Operational Restrictions

- The permittee shall operate the settling chamber particulate control system whenever this emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

- The permittee shall maintain a weekly log of cleanings and of inspections for the physical integrity of the settling chamber.

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

2. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each mix manufactured and each cleanup material employed.
 - b. The number of pounds of each mix manufactured.
 - c. The organic compound content of each mix manufactured, in percent by weight.
 - d. The volume of each cleanup material dispensed, in gallons per day.
 - e. The volume of each cleanup material returned, in gallons per day.
 - f. The volume of each evaporated cleanup material, which is estimated by subtracting the volume of returned cleanup material from the volume of dispensed cleanup material, in gallons per day.
 - g. The organic compound content of each cleanup material, in pounds per gallon.
 - h. The total organic compound emission rate for all mixes and all cleanup materials, in pounds per day.
 - i. The total number of hours the emissions unit was in operation.
 - j. The average hourly organic compound emission rate for all mixes and cleanup materials, i. e., (h)/(i), in pounds per hour.

IV. Reporting Requirements

1. The permittee shall notify the Northeast District Office in writing of any daily record showing that the settling chamber 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 Northeast District Office within 30 days after the event occurs.
2. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the mixes and cleanup materials exceeded 8 pounds per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the mixes and cleanup materials exceeded 40 pounds per day, and the actual OC emissions for each such day.
3. The permittee shall submit annual reports which specify the total OC and particulate emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

V. Testing Requirements

1. Compliance with the emissions limitation(s) in section A.I.1. of these terms and conditions shall be determined in accordance with the following method(s):
 - 1.a Emission Limitation: 20% opacity of visible particulate emissions

Applicable Compliance Method: Compliance shall be determined based upon OAC rule 3745-17-03(B)(1), if required by Ohio EPA.

V. Testing Requirements (continued)

1.b Emission Limitation: 1.05 lbs PE/hr

Applicable Compliance Method(s): To determine the worst case PE rate, the following equation shall be used:

$$E_{PE} = P \times DS \times EF \times (1 - CE)$$

Where the following applies:

E_{PE} = PE, in pounds per hour

P = maximum production rate, which is 1732 pounds per hour as noted in the permit application.

DS = maximum dry solids content, which is 60.2% by weight as noted in the application.

EF = emission factor for uncontrolled PE, which is 0.01 pounds of uncontrolled PE per pound of dry solid material processed, as noted in AP-42 chapter 6.4 (5/83).

CE = control efficiency of PE control device, which is 90% as noted in the permit application.

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed accordance with 40 CFR Part 60, Appendix A, Methods 1-5.

1.c Emission Limitation: 4.60 tons PE/year

Applicable Compliance Method: To determine the annual worst case PE rate, the worst case hourly rate, as determined from the equation as noted in section A.V.1. b., shall be multiplied by 8760 hrs/yr and divided by 2000 lbs/ton.

1.d Emission Limitation: 8 lbs OC/hr, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the record keeping specified in section A. III.2.j. If required, the permittee shall use U.S. EPA Method 18, 25 or 25A, as appropriate.

V. Testing Requirements (continued)

- 1.e** Emission Limitation: 40 lbs OC/day, including emissions from cleanup materials.

Applicable Compliance Methods: Compliance shall be determined based upon the following equations:

- i. Determination of organic compound emissions for all mixes:

$$E(\text{mix}) = \text{summation of } (W_i \times OC_i) \times EF$$

Where the following applies:

$$E(\text{mix}) = \text{OC emissions from the mix operations, in pounds per day.}$$

W_i = the weight of mix "i" produced, in pounds per day.

OC_i = the OC content of mix "i", in per cent by weight.

EF = the emission factor for OC emissions, which is 0.01 pounds per pound of available OC content, as noted in AP-42 chapter 6.4 (5/83).

- ii. Determination of organic compound emissions for all cleanup materials:

$$E(\text{cleanup}) = \text{summation of } (V_i \times OC_i)$$

Where the following applies:

$$E(\text{cleanup}) = \text{OC emissions from the cleanup materials, in pounds per day.}$$

V_i = the volume of evaporated cleanup material, as specified in section A.III.2.f., in gallons per day.

OC_i = the OC content of cleanup material "i", in per pounds per gallon.

- iii. Determination of organic compound emissions for all mixes and all cleanup materials:

$$EOC(\text{lbs/day}) = E(\text{mix}) + E(\text{cleanup}).$$

- 1.f** Emission Limitation: 7.3 TPY OC, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be based on the sum of the daily OC emission rates from the mixing operation and cleanup materials, $EOC(\text{lbs/day})$, as specified in section A.V.1.e. of this permit for the calendar year, and shall be divided by 2000 pounds/ton.

- 2.** Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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: Mixer #3 (P012)
Activity Description: Mixer

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>
Mixer #3 for resin wet mix	OAC rule 3745-17-07(A)	Visible particulate emissions from this emissions unit shall not exceed 20% opacity as a 6-minute average, except as specified by rule.
	OAC rule 3745-17-11	Particulate emissions (PE) shall not exceed 2.65 lbs/hr. See section A.1.2.a below.
	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day, excluding emissions from non-photochemically reactive cleanup materials. See sections A.1.2.a. and A.1.2.b. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11131	Particulate emissions (PE) shall not exceed 1.05 lbs/hr and 4.60 tons/year. OC emissions shall not exceed 8 lbs/hr, 40 lbs/day and 7.3 tons/year, including emissions from cleanup materials.

2. Additional Terms and Conditions

- The emission limit(s) based on this applicable rule are less stringent than the limit(s) established pursuant to OAC rule 3745-31-05(A)(3).
- The OC emissions from the mix operations consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).

II. Operational Restrictions

- The permittee shall operate the settling chamber particulate control system whenever this emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

- The permittee shall maintain a weekly log of cleanings and of inspections for the physical integrity of the settling chamber.

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

2. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each mix manufactured and each cleanup material employed.
 - b. The number of pounds of each mix manufactured.
 - c. The organic compound content of each mix manufactured, in percent by weight.
 - d. The volume of each cleanup material dispensed, in gallons per day.
 - e. The volume of each cleanup material returned, in gallons per day.
 - f. The volume of each evaporated cleanup material, which is estimated by subtracting the volume of returned cleanup material from the volume of dispensed cleanup material, in gallons per day.
 - g. The organic compound content of each cleanup material, in pounds per gallon.
 - h. The total organic compound emission rate for all mixes and all cleanup materials, in pounds per day.
 - i. The total number of hours the emissions unit was in operation.
 - j. The average hourly organic compound emission rate for all mixes and cleanup materials, i. e., (h)/(i), in pounds per hour.

IV. Reporting Requirements

1. The permittee shall notify the Northeast District Office in writing of any daily record showing that the settling chamber 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 Northeast District Office within 30 days after the event occurs.
2. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the mixes and cleanup materials exceeded 8 pounds per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the mixes and cleanup materials exceeded 40 pounds per day, and the actual OC emissions for each such day.
3. The permittee shall submit annual reports which specify the total OC and particulate emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

V. Testing Requirements

1. Compliance with the emissions limitation(s) in section A.I.1. of these terms and conditions shall be determined in accordance with the following method(s):
 - 1.a Emission Limitation: 20% opacity of visible particulate emissions

Applicable Compliance Method: Compliance shall be determined based upon OAC rule 3745-17-03(B)(1), if required by Ohio EPA.

V. Testing Requirements (continued)

1.b Emission Limitation: 1.05 lbs PE/hr

Applicable Compliance Method(s): To determine the worst case PE rate, the following equation shall be used:

$$E_{PE} = P \times DS \times EF \times (1 - CE)$$

Where the following applies:

E_{PE} = PE, in pounds per hour

P = maximum production rate, which is 1732 pounds per hour as noted in the permit application.

DS = maximum dry solids content, which is 60.2% by weight as noted in the application.

EF = emission factor for uncontrolled PE, which is 0.01 pounds of uncontrolled PE per pound of dry solid material processed, as noted in AP-42 chapter 6.4 (5/83).

CE = control efficiency of PE control device, which is 90% as noted in the permit application.

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed accordance with 40 CFR Part 60, Appendix A, Methods 1-5.

1.c Emission Limitation: 4.60 tons PE/year

Applicable Compliance Method: To determine the annual worst case PE rate, the worst case hourly rate, as determined from the equation as noted in section A.V.1. b., shall be multiplied by 8760 hrs/yr and divided by 2000 lbs/ton.

1.d Emission Limitation: 8 lbs OC/hr, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the record keeping specified in section A. III.2.j. If required, the permittee shall use U.S. EPA Method 18, 25 or 25A, as appropriate.

V. Testing Requirements (continued)

- 1.e** Emission Limitation: 40 lbs OC/day, including emissions from cleanup materials.

Applicable Compliance Methods: Compliance shall be determined based upon the following equations:

- i. Determination of organic compound emissions for all mixes:

$$E(\text{mix}) = \text{summation of } (W_i \times OC_i) \times EF$$

Where the following applies:

$$E(\text{mix}) = \text{OC emissions from the mix operations, in pounds per day.}$$

W_i = the weight of mix "i" produced, in pounds per day.

OC_i = the OC content of mix "i", in per cent by weight.

EF = the emission factor for OC emissions, which is 0.01 pounds per pound of available OC content, as noted in AP-42 chapter 6.4 (5/83).

- ii. Determination of organic compound emissions for all cleanup materials:

$$E(\text{cleanup}) = \text{summation of } (V_i \times OC_i)$$

Where the following applies:

$$E(\text{cleanup}) = \text{OC emissions from the cleanup materials, in pounds per day.}$$

V_i = the volume of evaporated cleanup material, as specified in section A.III.2.f., in gallons per day.

OC_i = the OC content of cleanup material "i", in per pounds per gallon.

- iii. Determination of organic compound emissions for all mixes and all cleanup materials:

$$EOC(\text{lbs/day}) = E(\text{mix}) + E(\text{cleanup}).$$

- 1.f** Emission Limitation: 7.3 TPY OC, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be based on the sum of the daily OC emission rates from the mixing operation and cleanup materials, $EOC(\text{lbs/day})$, as specified in section A.V.1.e. of this permit for the calendar year, and shall be divided by 2000 pounds/ton.

- 2.** Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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: 120" Preform Machine (P013)

Activity Description: Preform Machine and Oven

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>
120 " Preform machine with a natural gas fired cure oven for fiberglass reinforced plastic parts: binder mix spray-up operation	OAC rule 3745-17-07(A)	Visible particulate emissions from this emissions unit shall not exceed 20% opacity as a 6-minute average, except as specified by rule.
	OAC rule 3745-17-11	Particulate emissions (PE) shall not exceed 1.83 lbs/hr from the spray-up operation.
	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from binder usage, whenever photochemically reactive materials are employed. See sections A.I.2.a. and A.I.2.b. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11131	Organic compound (OC) emissions shall not exceed 6.9 lbs/day from binder usage.
cure oven	OAC rule 3745-21-07(G)(1)	OC emissions shall not exceed 3 lbs/hr and 15 lbs/day from binder usage.
	OAC rule 3745-31-05(A)(3) PTI 02-11131	Carbon monoxide (CO) emissions shall not exceed 0.49 lb/hr and 2.15 ton/year from fuel combustion.
	OAC rule 3745-31-05(A)(3) PTI 02-11131	Nitrogen oxides (NOx) emissions shall not exceed 0.58 lb/hr and 2.54 tons/year from fuel combustion.
binder mix spray-up and cure oven	OAC rule 3745-31-05(A)(3) PTI 02-11131	The PE rate shall not exceed 8.54 tons/year from the spray-up operation and fuel combustion. OC emissions shall not exceed 4.31 tons/year from binder usage and fuel combustion.

2. Additional Terms and Conditions

- 2.a** The emission limits specified in this rule are less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).
- 2.b** This emissions unit is exempt from the organic compound emission limitations specified in OAC rule 3745-21-07(G)(2) because use of photochemically reactive materials is not permitted. A photochemically reactive material is defined by OAC rule 3745-21-01(C)(5) and is determined at the time the material is employed.

II. Operational Restrictions

1. The permittee shall burn only natural gas in this emissions unit.
2. The permittee shall operate the wire mesh screen whenever this emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. For purposes of calculating the OC emission rates for this emissions unit, the permittee shall utilize a value of 32.2% as the maximum percentage of the OCs emitted at the spray-up exhaust that are emitted uncontrolled from the spray-up operations. The remaining 67.8% of the OCs employed at the spray-up operation, shall be considered to be the uncontrolled emissions for the cure oven. This "split" of OC emissions between the spray-up operation and the cure oven is based upon in-house testing and engineering estimates conducted on July 7, 1994 at a similar operation at MFG Composite Systems Company (0204010230).
2. The permittee shall collect and record the following information for this emissions unit:
 - a. The company identification for each binder mix employed.
 - b. Identification of whether or not each binder mix employed is a photochemically reactive material, as defined in OAC rule 3745-21-01(C).
 - c. The weight of each binder mix employed, in pounds per day.
 - d. The organic compound content of each binder mix, in percent by weight.
 - e. The total potential (prior to applying the spray-up operation/oven "split") daily OC emission rate for all binder mixes, in pounds per day.
 - f. The total potential daily OC emission rate for all binder mixes multiplied by the maximum percentage of the emissions associated with the spray-up operation (as defined in section A.III.1. of this permit), in pounds per day.
 - g. The total potential daily OC emission rate for all binder mixes multiplied by the maximum percentage of the emissions associated with the cure oven (as defined in section A.III.1. of this permit), in pounds per day.
 - h. The total number of hours the emissions unit was in operation.
 - i. The average hourly OC emission rate for the binder mixes from the cure oven, i.e., (g)/(h), in pounds per hour (average).
3. For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
4. The permittee shall maintain a weekly log of cleanings and of inspections of the physical integrity of the wire mesh screen.
5. The permittee shall properly operate the wire mesh screen and check it at least once per day when the emissions unit is in operation. The permittee shall record each day all periods of time during which the wire mesh screen was not in operation when the emissions unit was in operation.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. an identification of each day during which the average hourly OC emissions from binder usage at the cure oven exceeded 3 pounds per hour, and the actual average hourly OC emissions for each such day;
 - b. an identification of each day during which the OC emissions from binder usage at the cure oven exceeded 15 pounds per day, and the actual OC emissions for each such day;
 - c. an identification of each day during which the OC emissions from binder usage at the the spray-up operation exceeded 6.9 pounds per day, and the actual OC emissions for each such day;
 - d. an identification of each day that photochemically reactive binder materials were employed at the spray-up operation; and
 - e. an identification of each day when a fuel other than natural gas was burned in this emissions unit.
2. The permittee shall notify the Northeast District Office in writing of any daily record showing that the wire mesh screen 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 Northeast District Office within 30 days after the event occurs.
3. The permittee shall submit annual reports which specify the total OC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

V. Testing Requirements

1. Compliance with the allowable 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: 20% opacity of visible particulate emissions from the spray-up operation.

Applicable Compliance Method: Compliance shall be determined based upon OAC rule 3745-17-03(B)(1), if required by Ohio EPA.
 - 1.b Emission Limitation: 1.83 lbs PE/hr from the spray-up operation.

Applicable Compliance Method(s): If required, the permittee shall demonstrate compliance with this emission limitation through emission tests, performed accordance with 40 CFR Part 60, Appendix A, Methods 1-5.
 - 1.c Emission Limitation: 8.54 TPY PE from the spray-up operation and fuel combustion at the cure oven.

Applicable Compliance Method: To determine the actual, annual worst case PE rate (E_{APE}), in tons per year, the following equation shall be used:

$$E_{APE} = [(Q \times EF) + E_{HPE}] \times 8760 \text{ hrs/yr} \times \text{ton}/2000 \text{ lbs.}$$

where:
Q = maximum natural gas fuel inflow rate, 5769.2 cf/hr as noted in the permit application.

 E_{HPE} = hourly PE rate from the spray-up operation, which is 1.83 pounds per hour, as specified in section A.V.1.b.

EF = emission factor for filterable PE, which is 1.9 lbs PE/1,000,000 cf of natural gas as noted in AP-42 chapter 1.4 (7/98).
 - 1.d Emission Limitation: 3 lbs OC/hr from binder usage at the cure oven.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.2.i.

V. Testing Requirements (continued)

1.e Emission Limitation: 15 lbs OC/day from binder usage at the cure oven.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.2.g.

1.f Emission Limitation: 6.9 lbs OC/day from binder usage at the spray-up operation.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.2.f.

1.g Emission Limitation: 4.31 TPY OC from binder usage and fuel combustion.

Applicable Compliance Method: Compliance shall be based on the following:

i. Determination of the annual OC emission rate from binder usage, EY_{OCb} , shall be the sum of the daily OC emissions rates from binder usage, as specified in section A.III.2.e. of this permit for the calendar year, and divided by 2000 pounds/ton.

ii. Determination of the annual worst case OC emission rate from fuel combustion, EY_{OCf} , shall be made with the following equation:

$$EY_{OCf} = Q \times EF \times 8760 \text{ hrs/year} \times \text{ton}/2000 \text{ lbs.}$$

Where the following applies:

EY_{OCf} = OC emissions, in tons/year.

Q = maximum natural gas fuel inflow rate, 962 cf/hr as noted in the permit application.

EF = emission factor for total OC, which is 11 lbs OC/1,000,000 cf of natural gas as noted in AP-42, chapter 1.4 (7/98).

iii. Determination of total, annual OC emissions, EY_{OCt} shall be made with the following equation:

$$EY_{OCt} = EY_{OCb} + EY_{OCf}.$$

1.h Emission Limitation: 0.49 lb/hr of CO emissions from fuel combustion at the cure oven.

Applicable Compliance Method: To determine the hourly worst case CO emission rate the following equation shall be used:

$$E_{CO} = Q \times EF.$$

Where the following applies:

E_{CO} = CO emissions, in pound per hour.

Q = maximum natural gas fuel inflow rate, 5769.2 cf/hr as noted in the permit application.

EF = emission factor for CO, which is 84 lbs CO/1,000,000 cf of natural gas as noted in AP-42, chapter 1.4 (7/98).

1.i Emission Limitation: 2.15 TPY CO emissions from fuel combustion at the cure oven.

Applicable Compliance Method: To determine the annual worst case CO emission rate (E_{ACO}) in tons per year, the following equation shall be used:

$$E_{ACO} = E_{CO} \times 8760 \text{ hrs/yr} \times \text{ton}/2000 \text{ lbs.}$$

V. Testing Requirements (continued)

- 1.j Emission Limitation: 0.58 lb/hr NO_x emissions from fuel combustion at the cure oven.

Applicable Compliance Method: To determine the hourly worst case NO_x emission rate the following equation shall be used:

$$E_{\text{NO}_x} = Q \times EF.$$

Where the following applies:

E_{NO_x} = NO_x emissions, in pounds per hour.

Q = maximum natural gas fuel inflow rate, 5769.2 cf/hr as noted in the permit application.

EF = emission factor for NO_x, which is 100 lbs CO/1,000,000 cf of natural gas as noted in AP-42, chapter 1.4 (7/98).

- 1.k Emission Limitation: 2.54 TPY NO_x emissions from fuel combustion at the cure oven.

Applicable Compliance Method: To determine the annual worst case NO_x emission rate (E_{NO_x}) in tons per year, the following equation shall be used:

$$E_{\text{ANO}_x} = E_{\text{NO}_x} \times 8760 \text{ hrs/yr} \times \text{ton}/2000 \text{ lbs.}$$

2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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: Molding Press 16 (P014)

Activity Description: Compression Molding Press Installed after 1974, No PTO OAC 3745-35-02(A)(3)

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>
Compression mold press 16 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the molding operation, whenever photochemically reactive materials are employed. See section A.I.2.a. below.
	OAC rule 3745-31-05(A)(3) PTI 02-12057	OC emissions shall not exceed 8 lbs/hr, 40 lbs/day and 7.3 tons/year from the molding operation.

2. Additional Terms and Conditions

- 2.a The emissions of organic materials from the molding operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each mold compound material employed.
 - b. The weight of each mold compound material employed, in pounds.
 - c. The weight of all mold compound materials employed, in pounds.
 - d. The total OC emission rate for all mold compound materials, in pounds.
 - e. The actual number of hours that the emissions unit was in operation.
 - f. The average hourly OC emission rate for all mold compound materials, i.e., (d) divided by (e), in pounds per hour (average).

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the mold compound materials exceeded 8 pounds per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the mold compound materials exceeded 40 pounds per day, and the actual OC emissions for each such day.
2. The permittee shall submit annual reports which specify the total OC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

V. Testing Requirements

1. Compliance with the allowable 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: 8 lbs OC/hr.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.f. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests, performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate.
 - 1.b Emission Limitation: 40 lbs OC/day.

Applicable Compliance Method: Compliance shall be determined in accordance with the following method:
$$ES(\text{lbs/day}) = (\text{Summation of } P_i) \times EF.$$

where:
 $ES(\text{lbs/day})$ = the organic compound emissions as styrene from mold operations, in pounds per day.
 P_i = the production rate of mold compound i , in pounds per day.

 EF = emission factor for styrene emissions from mold presses, which is 0.00134 pound per pound of mold compound, as determined from a Society of Plastics Industry report, "Styrene Emissions during the Charging and Molding Cycle".
 - 1.c Emission Limitation: 7.3 TPY OC.

Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall be based on the sum of the daily OC emission rates from mold compound materials, as specified in section A.V.1.b. of this permit for the calendar year, divided by 2000 pounds/ton.
2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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: Molding Press 19 (P015)

Activity Description: Compression Molding Press Installed after 1974, No PTO OAC 3745-35-02(A)(3)

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>
Compression mold press 19 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the molding operation, whenever photochemically reactive materials are employed. See section A.I.2.a. below.
	OAC rule 3745-31-05(A)(3) PTI 02-12057	OC emissions shall not exceed 8 lbs/hr, 40 lbs/day and 7.3 tons/year from the molding operation.

2. Additional Terms and Conditions

- 2.a The emissions of organic materials from the molding operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each mold compound material employed.
 - b. The weight of each mold compound material employed, in pounds.
 - c. The weight of all mold compound materials employed, in pounds.
 - d. The total OC emission rate for all mold compound materials, in pounds.
 - e. The actual number of hours that the emissions unit was in operation.
 - f. The average hourly OC emission rate for all mold compound materials, i.e., (d) divided by (e), in pounds per hour (average).

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the mold compound materials exceeded 8 pounds per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the mold compound materials exceeded 40 pounds per day, and the actual OC emissions for each such day.
2. The permittee shall submit annual reports which specify the total OC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

V. Testing Requirements

1. Compliance with the allowable 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: 8 lbs OC/hr.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.f. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests, performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate.
 - 1.b Emission Limitation: 40 lbs OC/day.

Applicable Compliance Method: Compliance shall be determined in accordance with the following method:
$$ES(\text{lbs/day}) = (\text{Summation of } P_i) \times EF.$$

where:
 $ES(\text{lbs/day})$ = the organic compound emissions as styrene from mold operations, in pounds per day.
 P_i = the production rate of mold compound i , in pounds per day.
 EF = emission factor for styrene emissions from mold presses, which is 0.00134 pound per pound of mold compound, as determined from a Society of Plastics Industry report, "Styrene Emissions during the Charging and Molding Cycle".
 - 1.c Emission Limitation: 7.3 TPY OC.

Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall be based on the sum of the daily OC emission rates from mold compound materials, as specified in section A.V.1.b. of this permit for the calendar year, divided by 2000 pounds/ton.
2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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: Molding Press 22 (P016)

Activity Description: Compression Molding Press Installed after 1974, No PTO OAC 3745-35-02(A)(3)

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>
Compression mold press 22 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the molding operation, whenever photochemically reactive materials are employed. See section A.I.2.a. below.
	OAC rule 3745-31-05(A)(3) PTI 02-12057	OC emissions shall not exceed 8 lbs/hr, 40 lbs/day and 7.3 tons/year from the molding operation.

2. Additional Terms and Conditions

- 2.a The emissions of organic materials from the molding operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each mold compound material employed.
 - b. The weight of each mold compound material employed, in pounds.
 - c. The weight of all mold compound materials employed, in pounds.
 - d. The total OC emission rate for all mold compound materials, in pounds.
 - e. The actual number of hours that the emissions unit was in operation.
 - f. The average hourly OC emission rate for all mold compound materials, i.e., (d) divided by (e), in pounds per hour (average).

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the mold compound materials exceeded 8 pounds per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the mold compound materials exceeded 40 pounds per day, and the actual OC emissions for each such day.
2. The permittee shall submit annual reports which specify the total OC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

V. Testing Requirements

1. Compliance with the allowable 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: 8 lbs OC/hr.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.f. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests, performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate.
 - 1.b Emission Limitation: 40 lbs OC/day.

Applicable Compliance Method: Compliance shall be determined in accordance with the following method:
$$ES(\text{lbs/day}) = (\text{Summation of } P_i) \times EF.$$

where:
 $ES(\text{lbs/day})$ = the organic compound emissions as styrene from mold operations, in pounds per day.
 P_i = the production rate of mold compound i , in pounds per day.

 EF = emission factor for styrene emissions from mold presses, which is 0.00134 pound per pound of mold compound, as determined from a Society of Plastics Industry report, "Styrene Emissions during the Charging and Molding Cycle".
 - 1.c Emission Limitation: 7.3 TPY OC.

Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall be based on the sum of the daily OC emission rates from mold compound materials, as specified in section A.V.1.b. of this permit for the calendar year, divided by 2000 pounds/ton.
2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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: Molding Press 25 (P017)

Activity Description: Compression Molding Press Installed after 1974, No PTO OAC 3745-35-02(A)(3)

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>
Compression mold press 25 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the molding operation, whenever photochemically reactive materials are employed. See section A.I.2.a. below.
	OAC rule 3745-31-05(A)(3) PTI 02-12057	OC emissions shall not exceed 8 lbs/hr, 40 lbs/day and 7.3 tons/year from the molding operation.

2. Additional Terms and Conditions

- 2.a The emissions of organic materials from the molding operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each mold compound material employed.
 - b. The weight of each mold compound material employed, in pounds.
 - c. The weight of all mold compound materials employed, in pounds.
 - d. The total OC emission rate for all mold compound materials, in pounds.
 - e. The actual number of hours that the emissions unit was in operation.
 - f. The average hourly OC emission rate for all mold compound materials, i.e., (d) divided by (e), in pounds per hour (average).

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the mold compound materials exceeded 8 pounds per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the mold compound materials exceeded 40 pounds per day, and the actual OC emissions for each such day.
2. The permittee shall submit annual reports which specify the total OC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

V. Testing Requirements

1. Compliance with the allowable 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: 8 lbs OC/hr.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.f. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests, performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate.
 - 1.b Emission Limitation: 40 lbs OC/day.

Applicable Compliance Method: Compliance shall be determined in accordance with the following method:
$$ES(\text{lbs/day}) = (\text{Summation of } P_i) \times EF.$$

where:
 $ES(\text{lbs/day})$ = the organic compound emissions as styrene from mold operations, in pounds per day.
 P_i = the production rate of mold compound i , in pounds per day.

 EF = emission factor for styrene emissions from mold presses, which is 0.00134 pound per pound of mold compound, as determined from a Society of Plastics Industry report, "Styrene Emissions during the Charging and Molding Cycle".
 - 1.c Emission Limitation: 7.3 TPY OC.

Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall be based on the sum of the daily OC emission rates from mold compound materials, as specified in section A.V.1.b. of this permit for the calendar year, divided by 2000 pounds/ton.
2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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: Molding Press 26 (P018)

Activity Description: Compression Molding Press Installed after 1974, No PTO OAC 3745-35-02(A)(3)

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>
Compression mold press 26 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the molding operation, whenever photochemically reactive materials are employed. See section A.I.2.a. below.
	OAC rule 3745-31-05(A)(3) PTI 02-12057	OC emissions shall not exceed 8 lbs/hr, 40 lbs/day and 7.3 tons/year from the molding operation.

2. Additional Terms and Conditions

- 2.a The emissions of organic materials from the molding operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each mold compound material employed.
 - b. The weight of each mold compound material employed, in pounds.
 - c. The weight of all mold compound materials employed, in pounds.
 - d. The total OC emission rate for all mold compound materials, in pounds.
 - e. The actual number of hours that the emissions unit was in operation.
 - f. The average hourly OC emission rate for all mold compound materials, i.e., (d) divided by (e), in pounds per hour (average).

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the mold compound materials exceeded 8 pounds per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the mold compound materials exceeded 40 pounds per day, and the actual OC emissions for each such day.
2. The permittee shall submit annual reports which specify the total OC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

V. Testing Requirements

1. Compliance with the allowable 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: 8 lbs OC/hr.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.f. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests, performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate.
 - 1.b Emission Limitation: 40 lbs OC/day.

Applicable Compliance Method: Compliance shall be determined in accordance with the following method:
$$ES(\text{lbs/day}) = (\text{Summation of } P_i) \times EF.$$

where:
 $ES(\text{lbs/day})$ = the organic compound emissions as styrene from mold operations, in pounds per day.
 P_i = the production rate of mold compound i , in pounds per day.

 EF = emission factor for styrene emissions from mold presses, which is 0.00134 pound per pound of mold compound, as determined from a Society of Plastics Industry report, "Styrene Emissions during the Charging and Molding Cycle".
 - 1.c Emission Limitation: 7.3 TPY OC.

Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall be based on the sum of the daily OC emission rates from mold compound materials, as specified in section A.V.1.b. of this permit for the calendar year, divided by 2000 pounds/ton.
2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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: Molding Press 27 (P019)

Activity Description: Compression Molding Press Installed after 1974, No PTO OAC 3745-35-02(A)(3)

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>
Compression mold press 27 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the molding operation, whenever photochemically reactive materials are employed. See section A.I.2.a. below.
	OAC rule 3745-31-05(A)(3) PTI 02-12057	OC emissions shall not exceed 8 lbs/hr, 40 lbs/day and 7.3 tons/year from the molding operation.

2. Additional Terms and Conditions

- 2.a The emissions of organic materials from the molding operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each mold compound material employed.
 - b. The weight of each mold compound material employed, in pounds.
 - c. The weight of all mold compound materials employed, in pounds.
 - d. The total OC emission rate for all mold compound materials, in pounds.
 - e. The actual number of hours that the emissions unit was in operation.
 - f. The average hourly OC emission rate for all mold compound materials, i.e., (d) divided by (e), in pounds per hour (average).

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the mold compound materials exceeded 8 pounds per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the mold compound materials exceeded 40 pounds per day, and the actual OC emissions for each such day.
2. The permittee shall submit annual reports which specify the total OC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

V. Testing Requirements

1. Compliance with the allowable 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: 8 lbs OC/hr.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.f. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests, performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate.
 - 1.b Emission Limitation: 40 lbs OC/day.

Applicable Compliance Method: Compliance shall be determined in accordance with the following method:
$$ES(\text{lbs/day}) = (\text{Summation of } P_i) \times EF.$$

where:
 $ES(\text{lbs/day})$ = the organic compound emissions as styrene from mold operations, in pounds per day.
 P_i = the production rate of mold compound i , in pounds per day.
 EF = emission factor for styrene emissions from mold presses, which is 0.00134 pound per pound of mold compound, as determined from a Society of Plastics Industry report, "Styrene Emissions during the Charging and Molding Cycle".
 - 1.c Emission Limitation: 7.3 TPY OC.

Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall be based on the sum of the daily OC emission rates from mold compound materials, as specified in section A.V.1.b. of this permit for the calendar year, divided by 2000 pounds/ton.
2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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: Molding Press 2 (P020)

Activity Description: Compression Molding Presses, PTO not needed OAC 3745-35-02(A)(3)

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>
Compression mold press 2 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.1.2.a. below.

2. Additional Terms and Conditions

- 2.a Since this emissions unit is an existing source, located in a non-Priority I county, it is exempt from the organic compound emission limitations specified in OAC rule 3745-21-07(G)(2) per OAC rule 3745-21-07(A)(1).

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

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: Molding Press 3 (P021)

Activity Description: Compression Molding Presses, PTO not needed OAC 3745-35-02(A)(3)

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>
Compression mold press 3 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.1.2.a. below.

2. Additional Terms and Conditions

- 2.a Since this emissions unit is an existing source, located in a non-Priority I county, it is exempt from the organic compound emission limitations specified in OAC rule 3745-21-07(G)(2) per OAC rule 3745-21-07(A)(1).

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

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: Molding Press 4 (P022)

Activity Description: Compression Molding Presses, PTO not needed OAC 3745-35-02(A)(3)

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>
Compression mold press 4 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.1.2.a. below.

2. Additional Terms and Conditions

- 2.a Since this emissions unit is an existing source, located in a non-Priority I county, it is exempt from the organic compound emission limitations specified in OAC rule 3745-21-07(G)(2) per OAC rule 3745-21-07(A)(1).

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

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: Molding Press 6 (P023)

Activity Description: Compression Molding Presses, PTO not needed OAC 3745-35-02(A)(3)

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>
Compression mold press 6 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.1.2.a. below.

2. Additional Terms and Conditions

- 2.a Since this emissions unit is an existing source, located in a non-Priority I county, it is exempt from the organic compound emission limitations specified in OAC rule 3745-21-07(G)(2) per OAC rule 3745-21-07(A)(1).

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

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: Molding Press 8 (P024)

Activity Description: Compression Molding Presses, PTO not needed OAC 3745-35-02(A)(3)

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>
Compression mold press 8 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.1.2.a. below.

2. Additional Terms and Conditions

- 2.a Since this emissions unit is an existing source, located in a non-Priority I county, it is exempt from the organic compound emission limitations specified in OAC rule 3745-21-07(G)(2) per OAC rule 3745-21-07(A)(1).

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

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: Molding Press 9 (P025)

Activity Description: Compression Molding Presses, PTO not needed OAC 3745-35-02(A)(3)

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>
Compression mold press 9 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.1.2.a. below.

2. Additional Terms and Conditions

- 2.a Since this emissions unit is an existing source, located in a non-Priority I county, it is exempt from the organic compound emission limitations specified in OAC rule 3745-21-07(G)(2) per OAC rule 3745-21-07(A)(1).

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

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: Molding Press 10 (P026)

Activity Description: Compression Molding Presses, PTO not needed OAC 3745-35-02(A)(3)

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>
Compression mold press 10 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.1.2.a. below.

2. Additional Terms and Conditions

- 2.a Since this emissions unit is an existing source, located in a non-Priority I county, it is exempt from the organic compound emission limitations specified in OAC rule 3745-21-07(G)(2) per OAC rule 3745-21-07(A)(1).

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

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: Molding Press 11 (P027)

Activity Description: Compression Molding Presses, PTO not needed OAC 3745-35-02(A)(3)

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>
Compression mold press 11 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.1.2.a. below.

2. Additional Terms and Conditions

- 2.a Since this emissions unit is an existing source, located in a non-Priority I county, it is exempt from the organic compound emission limitations specified in OAC rule 3745-21-07(G)(2) per OAC rule 3745-21-07(A)(1).

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

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: Molding Press 12 (P028)

Activity Description: Compression Molding Presses, PTO not needed OAC 3745-35-02(A)(3)

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>
Compression mold press 12 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.1.2.a. below.

2. Additional Terms and Conditions

- 2.a Since this emissions unit is an existing source, located in a non-Priority I county, it is exempt from the organic compound emission limitations specified in OAC rule 3745-21-07(G)(2) per OAC rule 3745-21-07(A)(1).

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

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: Molding Press 13 (P029)

Activity Description: Compression Molding Presses, PTO not needed OAC 3745-35-02(A)(3)

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>
Compression mold press 13 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.1.2.a. below.

2. Additional Terms and Conditions

- 2.a Since this emissions unit is an existing source, located in a non-Priority I county, it is exempt from the organic compound emission limitations specified in OAC rule 3745-21-07(G)(2) per OAC rule 3745-21-07(A)(1).

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

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

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: Molding Press 14 (P030)

Activity Description: Compression Molding Presses, PTO not needed OAC 3745-35-02(A)(3)

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>
Compression mold press 14 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.1.2.a. below.

2. Additional Terms and Conditions

- 2.a Since this emissions unit is an existing source, located in a non-Priority I county, it is exempt from the organic compound emission limitations specified in OAC rule 3745-21-07(G)(2) per OAC rule 3745-21-07(A)(1).

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

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: Molding Press 15 (P031)

Activity Description: Compression Molding Presses, PTO not needed OAC 3745-35-02(A)(3)

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>
Compression mold press 15 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.1.2.a. below.

2. Additional Terms and Conditions

- 2.a Since this emissions unit is an existing source, located in a non-Priority I county, it is exempt from the organic compound emission limitations specified in OAC rule 3745-21-07(G)(2) per OAC rule 3745-21-07(A)(1).

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

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: Molding Press 17 (P032)

Activity Description: Compression Molding Presses, PTO not needed OAC 3745-35-02(A)(3)

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>
Compression mold press 17 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.1.2.a. below.

2. Additional Terms and Conditions

- 2.a Since this emissions unit is an existing source, located in a non-Priority I county, it is exempt from the organic compound emission limitations specified in OAC rule 3745-21-07(G)(2) per OAC rule 3745-21-07(A)(1).

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

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: Molding Press 18 (P033)

Activity Description: Compression Molding Presses, PTO not needed OAC 3745-35-02(A)(3)

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>
Compression mold press 18 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.1.2.a. below.

2. Additional Terms and Conditions

- 2.a Since this emissions unit is an existing source, located in a non-Priority I county, it is exempt from the organic compound emission limitations specified in OAC rule 3745-21-07(G)(2) per OAC rule 3745-21-07(A)(1).

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

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: Molding Press 20 (P034)

Activity Description: Compression Molding Presses, PTO not needed OAC 3745-35-02(A)(3)

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>
Compression mold press 20 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.1.2.a. below.

2. Additional Terms and Conditions

- 2.a Since this emissions unit is an existing source, located in a non-Priority I county, it is exempt from the organic compound emission limitations specified in OAC rule 3745-21-07(G)(2) per OAC rule 3745-21-07(A)(1).

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

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: Molding Press 21 (P035)

Activity Description: Compression Molding Presses, PTO not needed OAC 3745-35-02(A)(3)

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>
Compression mold press 21 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.1.2.a. below.

2. Additional Terms and Conditions

- 2.a Since this emissions unit is an existing source, located in a non-Priority I county, it is exempt from the organic compound emission limitations specified in OAC rule 3745-21-07(G)(2) per OAC rule 3745-21-07(A)(1).

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

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: Molding Press 24 (P036)

Activity Description: Compression Molding Presses, PTO not needed OAC 3745-35-02(A)(3)

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>
Compression mold press 24 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.1.2.a. below.

2. Additional Terms and Conditions

- 2.a Since this emissions unit is an existing source, located in a non-Priority I county, it is exempt from the organic compound emission limitations specified in OAC rule 3745-21-07(G)(2) per OAC rule 3745-21-07(A)(1).

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

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: Preform Machine 48-2 and oven (P038)
Activity Description: Preform Machine and oven

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>
Preform machine 48-2 with a natural gas fired cure oven for fiberglass reinforced plastic parts: binder mix spray-up operation	OAC rule 3745-17-07(A)	Visible particulate emissions from this emissions unit shall not exceed 20% opacity as a 6-minute average, except as specified by rule.
	OAC rule 3745-17-11	Particulate emissions (PE) shall not exceed 0.629 lb/hr.
	OAC rule 3745-21-07(G)(2)	See section A.1.2.a. below.
cure oven	OAC rule 3745-21-07(G)(1)	See section A.1.2.a. below.

2. Additional Terms and Conditions

- Since this emissions unit is an existing source, located in a non-Priority I county, it is exempt from the organic compound emission limitations specified in OAC rule 3745-21-07(G)(1) and in OAC rule 3745-21-07(G)(2) per OAC rule 3745-21-07(A)(1).

II. Operational Restrictions

- The permittee shall burn only natural gas in this emissions unit.
- The permittee shall operate the wire mesh screen whenever this emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

- For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
- The permittee shall maintain a weekly log of cleanings and of inspections of the physical integrity of the wire mesh screen.
- The permittee shall properly operate the wire mesh screen and check it at least once per day when the emissions unit is in operation. The permittee shall record each day all periods of time during which the wire mesh screen was not in operation when the emissions unit was in operation.

IV. Reporting Requirements

1. The permittee shall notify the Northeast District Office in writing of any daily record showing that the wire mesh screen 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 Northeast District Office within 30 days after the event occurs.

V. Testing Requirements

1. Compliance with the allowable 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: 20% opacity of visible particulate emissions from the spray-up operation.

Applicable Compliance Method: Compliance shall be determined based upon OAC rule 3745-17-03(B)(1), if required by Ohio EPA.

- 1.b Emission Limitation: 0.629 lbs PE/hr from the spray-up operation.

Applicable Compliance Method(s):

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests, performed accordance with 40 CFR Part 60, Appendix A, Methods 1-5.

2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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: Molding Press 28 (P039)

Activity Description: Compression Molding Press Installed after 1974, No PTO OAC 3745-35-02(A)(3)

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>
Compression mold press 28 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the molding operation, whenever photochemically reactive materials are employed. See section A.1.2.a. below.
	OAC rule 3745-31-05(A)(3) PTI 02-13667	OC emissions shall not exceed 7.3 tons/year from the molding operation. The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-07(G)(2).

2. Additional Terms and Conditions

- 2.a The emissions of organic materials from the molding operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each mold compound, each wet mix and each preform employed.
 - b. The number of pounds of each mold compound employed.
 - c. The number of pounds of each wet mix and each preform employed.
 - d. The total OC emission rate for all mold compounds and all wet mixes/preforms employed, in pounds per day.
 - e. The total number of hours the emissions unit was in operation.
 - f. The average hourly OC emission rate for all mold compounds and all wet mixes/preforms employed, i.e., (d)/(e), in pounds per hour (average).

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the mold compounds and the wet mixes/preforms exceeded 8 pounds per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the mold compounds and the wet mixes/preforms exceeded 40 pounds per day, and the actual OC emissions for each such day.
2. The permittee shall submit annual reports which specify the total OC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

V. Testing Requirements

1. Compliance with the allowable 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: 8 lbs OC/hr.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.f. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests, performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate.
 - 1.b Emission Limitation: 40 lbs OC/day

Applicable Compliance Method: Compliance shall be determined in accordance with the following method:
$$E_{OC} = [\text{summation of } (W_i_{MC}) \times EF] + \{\text{summation of } [(W_i_{WM}) + (W_i_{PF})] \times EF\}.$$

where:
 E_{OC} = daily, OC emissions as styrene for all mold compounds and all wet mixes/preforms, in pounds per day.
 W_i_{MC} = the weight of mold compound "i" employed, in pounds per day.
 W_i_{WM} = the weight of wet mix "i" employed, in pounds per day.
 W_i_{PF} = the weight of preform "i" employed, in pounds per day.

 EF = emission factor for styrene emissions from the mold presses, which is 0.00134 pounds per pound of mold compound or wet mix/preform, as determined from a Society of Plastics Industry report, "Styrene Emissions during the Charging and Molding Cycle".
 - 1.c Emission Limitation: 7.3 TPY OC.

Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall be based on the sum of the daily OC emission rates from mold compound materials, as specified in section A.V.1.b. of this permit for the calendar year, divided by 2000 pounds/ton.
2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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: Inspection with Solvent (P040)

Activity Description: Parts cleaning with solvent

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>
Solvent wiping of fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.1.2.a. below.

2. Additional Terms and Conditions

- 2.a Since this emissions unit is an existing source, located in a non-Priority I county, it is exempt from the organic compound emission limitations specified in OAC rule 3745-21-07(G)(2) per OAC rule 3745-21-07(A)(1).

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

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

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